

EXC



Shenzhen EXC-LED Technology Co., Ltd

Jiancang Tech Park, Songgang Blvd. No.11, Songgang St., Baoan, Shenzhen, China

www.exc-led.com

0755-29412799

4008-777-189

EXC

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Leading Brands for National Key Intelligent Lighting Projects

2020

Case Album

Leading Brands for National Key Intelligent Lighting Projects

Business card
placement area



Integrated Manufacturer of Intelligent
Lighting and Cloud Control System



Company Profile



Shenzhen EXC-LED Technology Co., Ltd. (Hereinafter referred to as EXC-LED; brand: EXC), a national high-tech enterprise integrating LED application product design, R&D, production, sale and service, has always been focusing on smart lighting and cloud control system, and committing itself to providing stable and reliable comprehensive smart lighting system solutions for customers all over the world.

Relying on the industry-leading innovative technologies as well as the advantage of stable and reliable quality, the Company has now become the major supplier of outdoor lighting centralized control systems and products for the 7th CISM Military World Games in Wuhan, the major supplier of themed lighting control systems and products for the SCO Summit in Qingdao, the major supplier of themed lighting products for the BRICS Summit in Xiamen, the major supplier of themed lighting control systems and products for the G20 Summit in Hangzhou, and the major supplier of lighting control systems and products for the 40th Anniversary Celebrations of Shenzhen Reform and Opening up; furthermore, it is also the major supplier of lighting control systems and products for overall lighting projects in large cities such as Nanchang, Haikou, Fuzhou, Beijing, Shanghai, Guangzhou, Changsha, Nanjing, Chongqing, and Urumqi.



Company Culture

EXC’s Vision: To be a World-class Lighting Company!

EXC’s Spirit: Unity, Integrity, Competition and Passion!

EXC's Core Ideology: Focus on clients’ demand and continuously create value for clients.

EXC's Core Values:

To Complete Users: With cost-effective products and services through continuous innovation;

To Complete Employees: with the quality employee platform to realize their values.

EXC's Ultimate Goals: Zero Quality Defect; Zero Complaint of Service; Zero Delivery Delay.

Development History



2009

EXC-LED was established.

2010

Applied the single-line control technology to outdoor projects of a large scale for the first time.

2011

Completed the research on the new-generation graphic heteromorphic display and mapping technology.

2012

Developed the intelligent pixel density switching image processing technology.

2013

Completed the Guinness World Record light show project - Nanchang "One River and Two Banks"; completed the research and development of the new-generation pixel display DMX driver chips.

2014

Established the Intelligent Control R&D Center and the Reliability Laboratory.

2015

Completed the Wuhan "Two Rivers and Four Banks" Project; established the Outdoor Lighting Optical Research Center and the Optical Laboratory.

2016

Completed the G20 Summit in Hangzhou - Qianjiang New Town Themed Lighting Project, in which the 4G city cluster lighting control system was applied for the first time; recognized as a national high-tech enterprise.

2017

Completed projects including the themed lighting for the BRICS Summit in Xiamen, Guangzhou "One River, Two Banks and Three Belts", Fuzhou Minjiang River Banks, etc.; granted the software copyright of the Intelligent City Outdoor Lighting Management System.

2018

Completed projects including the themed lighting for the SCO Summit in Qingdao, the 40th Anniversary Celebrations of Shenzhen Reform and Opening up and the Themed Light Show; granted the invention patent for the LED City Building Facade Cluster Lighting Internet Control System and Production Process Method, and launched the industry-leading EXC ECCP2.0 Cloud Control Platform.

2019

As a dual core supplier of outdoor lighting intelligent cloud control and lighting products, successively completed lighting projects for major sports events such as the 7th CISM Military World Games in Wuhan, the 2nd Youth Games of the People's Republic of China in Taiyuan, and the National Minority Games in Zhengzhou; in addition, participated in large-scale lighting projects in Beijing, Urumqi, Changsha, Guangzhou, Yantai and other cities for the 70th anniversary of the National Day.

2020

More events ongoing...

Qualifications and honors



National High-tech Enterprise



Famous Brand Product
in Guangdong Province



Outstanding Individual in G20
Summit for Service Guarantee



CREE Strategic Partner









Themed light shows of the core areas in the main venues for the four major international conferences

The G20 Summit in Hangzhou, the BRICS Summit in Xiamen,
the SCO Summit in Qingdao, and the 7th CISM Military World Games in Wuhan



China's TOP 10 LED Lighting
Enterprises with International Competitiveness



The G20 Summit's Main Venue Lighting -
Hangzhou Qianjiang New Town Project won
the "Qianhaiwan" Lighting Engineering Award



Alighting Award -
Excellent Project Award



EXC Cloud Control Platform won the
Luminous Cup - Lighting Technology Award



The Guinness World Record light show


Nanchang “One River, Two Banks”, and Wenzhou Oujiang River Banks



Supplier of Quality Lighting Products
for the SCO Summit in Qingdao



Guangdong Landscape LED Lamp (EXC-LED)
Engineering Technology Research Center



TOP 10 Preferred Brand of Green Lighting
Products for China's Real Estate Industry



China Lighting Award – First Prize Light Show

Shenzhen Futian (Related Areas), and Wenzhou Oujiang River Banks

EXC HONORS



Overall Lighting of Provincial Cities

- 2019: The major supplier of outdoor lighting smart cloud control systems and products for the 7th CISM Military World Games in Wuhan
- 2018: The major supplier of themed lighting control systems and products for the SCO Summit in Qingdao
- 2017: The major supplier of themed lighting products for the BRICS Summit in Xiamen
- 2016: The major supplier of themed lighting control systems and products for the G20 Summit in Hangzhou

- 2013: Nearly 1.1 million point light sources for Nanchang "One River and Two Banks" project.
- 2015: Nearly 1.4 million point light sources for Wuhan "Two Rivers and Four Banks".
- 2016: Control systems and nearly 700,000 point light sources for Jiangbeizui CBD Cluster and Grand Theater in Chongqing.
- 2016: Control systems and nearly 300,000 point light sources for Changsha "One River and Two Banks" project.
- 2016: Control systems and nearly 1 million point light sources along the Haikou Bay in Haikou.

- 2016: Control systems and nearly 700,000 point light sources for lighting of Xi'an High-tech Zone.
- 2016: The major supplier of control systems and products for Changchun Downtown Lighting
- 2016: The major supplier of control systems and products for Hohhot Downtown Lighting
- 2017: Control systems and nearly 400,000 point light sources for Fuzhou "One River and Two Banks" project.
- 2017: Control systems and nearly 300,000 point light sources for the 13th National Student Sports Games in Tianjin.

- 2017: The major supplier of control systems and products for Nanjing Downtown Lighting
- 2017: Nearly 1 million point light sources for Kunming Downtown Lighting.
- 2017: Nearly 400,000 point light sources for Guiyang Downtown Lighting.
- 2017: The major supplier of control systems and products for Chengdu Hi-tech Zone Lighting
- 2017: The major supplier of control systems and products for Ji'nan "One Ring and One Lake" Lighting

- 2017: The major supplier of products for Guangzhou Pearl River Banks Lighting.
- 2018: The major supplier of control systems and products for the celebration for the 40th Anniversary of China's Reform and Opening-up in Shenzhen

- 2018: The major supplier of control systems and products for Urumqi Nightscape Lighting
- 2018: The major supplier of control systems and products for Guangxi Nanning "Yongji-ang River Banks" Nightscape Lighting
- 2019: The major supplier of outdoor lighting smart cloud control systems and products for the 7th CISM Military World Games in Wuhan

- 2019: The major supplier of control systems and products for Overall City Lighting for the National Minority Games in Zhengzhou
- 2019: Nightscape lighting of Chaoyang District, Wangjing District, Zhongguancun, Tongzhou Xinhua Avenue and Airport Express in Beijing
- 2019: Nightscape lighting of Downtown Area, and East and West Banks of Changfeng Fenhe River Scenic Spot for the 2nd Youth Games of the People's Republic of China in Taiyuan
- 2019: Fuzhou Downtown Lighting and Nightscape Lighting Project
- 2019: Guangzhou Aoyuan Area and Huangpu Lighting Project

- 2019: Lighting of Nanfei River Downtown Area, Shushan District and Wushidun in Hefei
- 2019: Xinjiang Urumqi Lighting Project
- 2019: Lighting of New Chongxian Town of Yuhang District and the north side of Ouhai Avenue of Zhenan Sic-tech Town in Hangzhou
- 2019: the project of nightscape lighting facility access control system for the "Five Longitudinal and Five Horizontal" main roads in the downtown area of Changsha City
-



Overall Lighting of Prefecture-level Cities

- 2016: The major supplier of control systems and products for Zhangjiajie Downtown Lighting
- 2016: The major supplier of control systems and products for Baoding Downtown Lighting
- 2016: The major supplier of control systems and products for Fuzhou Downtown Lighting
- 2016: The major supplier of control systems and products for Shangrao Downtown Lighting
- 2017: The major supplier of control systems and products for Hanzhong Downtown Lighting

- 2017: The major supplier of control systems and products for Ordos Downtown Lighting
- 2017: The major supplier of control systems and products for Wenzhou Downtown Lighting
- 2017: The major supplier of control systems and products for Ningbo Hi-tech Zone Lighting
- 2017: The major supplier of control systems and products for Hulun Buir Downtown Lighting
- 2017: The major supplier of control systems and products for Yancheng Lighting

- 2017: The major supplier of control systems and products for Huanyu Huijin Center in the CBD of Dongguan
- 2017: The major supplier of products for the celebration for the 60th Anniversary of the Establishment of Honghe Prefecture
- 2017: The major supplier of products for Old Town Reconstruction and Lighting in Baicheng City, Jilin Province
- 2017: The major supplier of control systems and products for Lighting of Shangyu District, Shaoxing City
- 2017: The major supplier of control systems and products for Anqing Downtown Lighting

- 2017: The major supplier of control systems and products for the Nightscape Project of Huayang Lake Wetland Park, Mayong, Dongguan
- 2018: The major supplier of control systems and products for the Wenzhou Oujiang River Banks Core Section Nightscape Lighting Project
- 2019: City Lighting Upgrade Project of Maanshan City
- 2019: the exclusive supplier of control systems and products for Korla Node Lighting
- 2019: the project of Guandou Town, Jiujiang District, Wuhu City

- 2019: The major supplier of control systems and products for the river embankment building linkage project in Heihe City (240,000 point light sources)
- 2019: the Lighting Project of Puxi River (Downtown Area), Huangshan District, Huangshan City
- 2019: the Lighting Project of Southern New District of Ji'an City
- 2019: the Lighting Project of Pharmaceutical High-tech Zone of Taizhou City
- 2019: the Outdoor Lighting Project of the Downtown Area of Golumd City

- 2019: the Outdoor Lighting Project of the Downtown Area of Xuecheng District, Zaozhuang City
- 2019: the Key Lighting Project of Urban Roads of Weinan City
- 2019: the Lighting Project of the Downtown Area of Wenzhou City
- 2019: the Outdoor Lighting Project of the Downtown Area and the High-tech Zone of Yantai City
- 2019: the "Light of Lishui" Nanhu Lake Nightscape Lighting Project in Lishui City
-



Overall Lighting of Counties

- 2016: The major supplier of control systems and products for Peng'an Downtown Lighting
- 2016: The major supplier of control systems and products for Yuqing Downtown Lighting (700,000 point light sources)
- 2017: The major supplier of control systems and products for Yanhe Downtown Lighting (1 million point light sources)
- 2017: The major supplier of control systems and products for Libo Downtown Lighting (400,000 point light sources)
- 2018: The major supplier of control systems and products for Chongqing Zhongxian Downtown Lighting

- 2019: the Nightscape Upgrade Project of Dege County
- 2019: the urban area Lighting of the Changwu County, Xianyang City, Shaanxi
- 2019: the Sanjiang Decorative Lighting Project of Hechuan District, Chongqing
- 2019: the urban area Nightscape Lighting Upgrade Project of Mingqing County
-



Distinctive Lighting Projects

Landmarks:
Ping An Finance Center in Shenzhen, 2018
Qianxi Plaza in Zhengzhou, 2019
Commercial complexes:
Henglong Plaza in Dalian, 2015
Juwai-Taigemao Complex in Zhengzhou, 2019
Charming stadiums:
Baoji Swimming and Diving Hall, 2016
National Indoor Stadium, 2019
Cultural & tourist:
Mountain Lighting of Longfeng Peony Garden in Yangxian County, Hanzhong, 2017
Chibi Ancient Town in Hubei, 2019
Bridges & highways:
Jinling River 18-Hole Bridge in Baoji, 2016
Cocodala Bridge in Xinjiang, 2019
Star hotels:
Oriental Grand Hotel Shaoxing, 2016
Yongchang International Hotel in Yulin, 2019
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Case directory

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Top-level events



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Bridge



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Oversea projects





Top-level events

- Themed Lighting of the 7th CISM Military World Games in Wuhan
- Themed Lighting of the SCO Summit in Qingdao
- Themed Lighting of the BRICS Summit in Xiamen
- Themed Lighting of the G20 Summit in Hangzhou -Qianjiang New Town

Successful Games, Wonderful City Lighting

——Description of the Whole-city Centralized Control System for Nightscape Lighting in the 7th CISM Military World Games in Wuhan

To add luster to the Games, this outdoor lighting project in Wuhan focuses on three core areas, i.e., "two rivers & four banks, the green heart of the East Lake, and Wuhan Sports Center". There are 25 key routes connecting in series major nodes such as the "one venue & three stations", highlighted areas, and stadiums, forming the main structure of the whole city's outdoor lighting and creating a new impression of Wuhan as a night city. This construction covers 7 central urban areas, 3 functional areas and 4 new urban areas in Wuhan. The construction philosophy are unified design, unified construction and unified management.

Project location: Wuhan, Hubei

Time of completion: September 2019

Designer: DEPT.OF Lighting Planning & Design, THUPDI

Cooperators in construction: Beijing Xinshikong Technology Co., Ltd., HES Technology Group Corp., Ltd., Hubei Haoliang Construction Engineering Development Co., Ltd., Hubei Hongqiu Illumination Engineering Co., Ltd., Leyard Lighting Co., Ltd., Jiangsu Cheng Xu Electrics Group Co., Ltd., Jiangsu Shixin Landscape Lighting Co., Ltd., Camry Construction Engineering (Wuhan) Co., Ltd., Wuhan Enbass Technology Co., Ltd., Wuhan Gold Oriental Intelligent Environmental Co., Ltd., Wuhan Shende Lianchuang Energy Saving and Environmental Protection Equipment Co., Ltd., Wuhan Hanyang Municipal Construction Group Corporation, Wuhan Sinpong Environmental Art Engineering Co., Ltd., Wuhan Yao Cheng Science and Technology Engineering Co., Ltd., Wuhan YIKE Landscape Engineering Co., Ltd., etc.

The main provider of centralized control systems and products for this project: Shenzhen EXC-LED Technology Co., Ltd.



Weave picture scrolls of light and shadow, with design as its guide.

It is reported that DEPT.OF Lighting Planning & Design, THUPDI (hereinafter referred to as: DLPD) presided over the planning guidelines for outdoor lighting in Wuhan City and the outdoor lighting design in key areas, adding luster to the Games and improving Wuhan's city image and citizens' life. Wuhan has brilliant human resources, vigorous natural resources and abundant vitality at night as well as other basic conditions. The lighting planning of the Games was carried out by DLPD from the following three aspects: 1) show the world grand narration and cohesion style; 2) help the city with balanced distance and sustainable management; 3) make people happy with citizens' activities and night economy.

Show Wuhan's diversified characteristics from different angles taking the regional culture of ancient folk songs and Chu Kingdom's style as a unified cultural base.

Two Rivers & Four Banks: as the name card of Wuhan City and the main public place for citizens' entertainment, the world's largest light show was set up there, with a strong and colorful charm of ancient folk songs and Chu Kingdom's style, highlighting the boldness of Wuhan's great rivers.

East Lake: show the peace, elegance and aestheticism of the oriental landscape painting focusing on mountains and waters in Chu Kingdom's style and painting the East Lake.

Sports Center: It consists of a stadium, a gymnasium and a swimming pool and other ancillary buildings. It transmits peace to people of all ethnic groups in the world through sports events.

Routes of guarantee: the construction philosophy is based on 25 key guarantee routes, covering all the core construction areas in the latest Wuhan City Master Pan (2017-2035), which not only forms the basic network for the successful hosting of the Games and the promotion of the city, but also serves as a concentrated demonstration of Wuhan's urban construction and development achievements.



Let the light and shadow play, with intellectual control as its core.

Wuhan is the first city in China adopting cloud platforms for centralized control of outdoor lighting on a citywide scale. As per the requirements of first-class domestic technical standards, Wuhan has carried out unified bidding and construction for network operators, cloud platforms, intelligent control systems, etc., and established unified technical standards and requirements to ensure the stability and advancement of the three core parts of the control systems.

The establishment of Wuhan Centralized and Integrated Intelligent Management and Control Platform is the technical guarantee for the perfect show of Wuhan Light Show. As the main provider of lighting control systems and products for the 7th CISM Military World Games in Wuhan in 2019, Shenzhen EXC-LED Technology Co., Ltd. provides the EXC-ECCP2.0 Lighting Intelligent Cloud Control Platform for this project, which guarantees the nightscape lighting of Wuhan City in the whole process. This Wuhan outdoor lighting project uses Internet of Things, Big Data and Cloud Platform technology to build an intelligent lighting management and control platform with complete functions, efficient operation, flexible operation, strong expansibility, safety and reliability. The EXC-ECCP2.0 cloud control platform is an integrated comprehensive intelligent management and control platform which integrates weak current control, strong current control, laser performance, photoelectric glass media show, video monitoring, operation and maintenance management etc. for city lights. The application of Wuhan integrated comprehensive intelligent management and control platform can effectively realize the visibility, controllability and management of outdoor lighting in the whole Wuhan City.

The Wuhan lighting project establishes a three-level (city, district and building) control framework through control systems, operator's networks and cloud platform technology, thus forming an effective management, control, operation and maintenance mechanism and providing effective guarantee for stable operation of the project.



▲ This is Wuhan “Two Rivers and Four Banks” Overall Linkage Lighting Project

Control system hardware

In this project, Shenzhen EXC-LED Technology Co., Ltd. not only provides Wuhan outdoor lighting intelligent management and control platform, but also serves as the main provider of intelligent hardware equipment, providing most of the building-used strong and weak current intelligent control equipment for this project.

Intelligent weak current effect control equipment: the building-used intelligent weak current effect control equipment is the core part of the coordinated control system of the project. The control equipment provided in this project adopts a new generation of digital video processing technology, smart professional light control software with optimized algorithm model as its core, and real-time massive data processing technology, perfectly restores the color processing of video sources, and synchronously and smoothly reproduces perfect videos.

Strong current intelligent equipment: EXC-LED realizes the intelligent control of the strong current of the project by providing intelligent control modules, which can realize the functions of remote intelligent control, remote meter reading, mode setting (energy-saving mode, routine mode, theme mode), state detection, etc. and provide strong guarantee for the stable operation of the project.

Personnel service guarantee

In order to guarantee the whole city's lighting during the Games, ensure the orderly operation of lighting at night during the Games, and ensure the normal operation of more than 98% of the city's outdoor lighting facilities and safe operation of 100%, according to the actual support demands of the project, Shenzhen EXC-LED Technology Co., Ltd. also set up a special 73-member military games support team on October 17, which is divided into six support teams: on-site technical support team, stadium support team, patrol fleet support team, emergency coordination support team, platform operation and maintenance support team and backstage R&D support team.

Extended reading

In 2015, EXC-LED also provided more than 1.2 million Generation-4 super LED pixel lights for the Wuhan “Two Rivers & Four Banks” Coordinated Lighting Project. For the first time, the product adopted long-distance four-color visual brightness consistency technology. The “Two Rivers & Four Banks” in Wuhan originates from the Yingwuzhou Bridge in the south and reaches the Changjiang River Bridge II in the north, totaling 18 km and involving 328 buildings. The light show makes use of Wuhan's distinctive geographical form of "two rivers, three towns, and four banks", designs the unique cultural contents of Wuhan, tells a long history of the ancient city of Wuhan, and perfectly combines modern art with ancient rhyme to let the city bear the history and let the lights promote the city.

"Beautiful Qingdao Campaign"

——Themed Lighting of the SCO Summit in Qingdao

To embrace the SCO Summit in Qingdao, in accordance with the decision and deployment of the "Beautiful Qingdao Campaign", Qingdao launched the nightscape lighting promotion activities. In October 2017, Qingdao City Administration Bureau as the lead set up the Nightscape Lighting Promotion Headquarters, officially commencing the planning and construction of city lighting. Besides, it prepared the whole city's overall lighting promotion design and instructed, coordinated, and organized the nightscape lighting work for the city.

Project location: Qingdao, Shandong

Time of completion: May 2018

Designer: TORYO International Lighting Design (Beijing) Center Co., Ltd.

Cooperators in construction: Tsinghua Tongfang Co., Ltd., HES Technology Group Corp., Ltd., Beijing Xinshikong Technology Co., Ltd., Leyard Lighting Co., Ltd., Shenzhen Qianbaihui Lighting Engineering Co., Ltd., Shenzhen Minkave Technology Co., Ltd., Shenzhen Dart Lighting Co., Ltd., Shenzhen Mingzhahui Construction Engineering Co., Ltd., Shanghai Zhongtian Lighting Co., Ltd., Shandong Qinghua-Kangli Urban Lighting Research and Design Institute Co., Ltd., Shandong Wonderful Decoration Engineering Co., Ltd., Tianjin Huacaixinhe Electronics Technology Group Limited By Share. Ltd., LONGT Lighting Group Co., Ltd., Jilin Yuanjing Lighting Engineering Group Co., Ltd., etc.

General Contractor for centralized control of lighting: Tsinghua Tongfang Co., Ltd.

Lamp provider: Shenzhen EXC-LED Technology Co., Ltd. (the quantity of supply reaches nearly 6 million for pixel lights only, making a record)

Provider of 4G city cluster lighting Internet control system (EXC-ECCP1.0 Cloud Control Platform): Shenzhen EXC-LED Technology Co., Ltd.



Product highlights

EXC-LED is the major provider of control systems and products for this project. The whole project adopts energy-saving standard LED lamps with small power and powerful functions. The project uses nearly 6 million "SCO Star" EXC-P46AP (RGBW) pixel lights, which are specially made by EXC-LED for the summit in Qingdao. Using a new-generation DMX512 parallel bus control technology, it has top-level optical vision design and ultra-far and near line-of-sight dodging technology. A single pixel light is an independent four-color pixel, and each pixel can realize 65536-level gray scale changes. Through a high-gray high-brush no-strobe control technology, the color change and animation effect are more exquisite and realistic. The super-strong EMC and ESD protection designs provide excellent protection performance. In the energy-saving mode when show is off, the user may only turn on the white light with a power of only 0.5W, and the energy consumption can be further reduced through gray scale adjustment, thus being energy-saving and environment-friendly.

Lighting testing

The testing is divided into three parts: 1) the testing and improvement of the installation, checking whether the installation angles are correct, whether the effect conforms to the design, whether further improvement is needed, whether the circuit communication is smooth, and whether there is any wiring failure; 2) the editing and testing of the wall animation; 3) the testing of remote control, checking whether the instructions issued by the control system are unblocked and whether the facilities are controllable. In the future, the pictures presented will be edited creatively according to different themes, not only serving as a window to publicize the city's image, history and culture, but also providing many pleasant pictures for citizens and tourists.

Project effect

During the planning and construction, a full consideration was given to the control of lighting modes, involving different modes such as routine mode, festival mode, energy-saving mode and show mode according to different needs. In the routine mode, only architectural structure lighting is turned on; in the festival mode, most lights are turned on; in the energy-saving mode, only the part of the skyline in lighting is maintained; in the show mode, the lights participating in the show are turned on; each show time is very short; after the show, the lighting will switch to the routine mode.

Salute the BRICS, Shine on Xiamen

—Themed Lighting of the BRICS Summit in Xiamen

On September 3-5, 2017, the 9th BRICS Summit was successfully held in Xiamen. To embrace the 9th BRICS Summit, Xiamen City launched the "Golden Silk Road, Colorful Xiamen" BRICS Summit themed lighting project, including the Guanyin Mountain in an international style with good appearance, the brilliantly illuminated Lujiang Road, the crowded Zhongshan Road, Jimei School Village in Jiageng style, the majestic Dongdu Port, the dazzling Haicang Bay, and the gorgeous Xiang'an coastline ... After completion of construction, the project became a new name card of Xiamen City. When the night falls, the sea breeze blows slightly; overlooking the whole Xiamen at this time, there is a blaze of light, like a bright pearl inlaid in the southeast of the motherland.

Project location: Xiamen, Fujian

Time of completion: August 2017

Designer: TORYO International Lighting Design (Beijing) Center Co., Ltd.

Cooperators in construction: LONGT Lighting Group Co., Ltd., Tsinghua Tongfang Co., Ltd., Shenzhen Dart Lighting Co., Ltd., Beijing Xinshikong Technology Co., Ltd., Leyard Lighting Co., Ltd. (former Shenzhen Jinda Lighting Co., Ltd.), Jiangsu Cheng Xu Electrics Group Co., Ltd., Shandong Wonderful Decoration Engineering Co., Ltd., and Shenzhen Golden Lighting Industrial Co., Ltd.

Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.



Project overview

"One Line, Three Areas and Four Belts" are the key planning areas of the project. The "One Line" refers to the Airport-Huandao Road-Lujiang Road, and the line along the Cruise City; the "Three Areas" are Wuyuan Bay Area, conference & Exhibition Center Area and Yundang Lake Area; the "Four Belts" are Haicang Bay coastal belt, Jimei School Village coastal belt and Gulangyu and Xiang'an southern coastal belt.

As the main product provider of this themed lighting project, EXC-LED's products cover the whole Xiamen, including six major areas, i.e., the Conference and Exhibition Center, Ferry, Airport, Haicang, Jimei and Xiang'an. Combining the spatial elements of Xiamen's mountains, seas, lakes, islands and cities, and grasping the overall planning of "One Line, Three Areas and Four Belts", EXC-LED has connected Xiamen's main island with all districts by lighting. "Mountains, lakes and islands" face each other and set off each other.

Product application

A total of 1.65 million LED pixel lights, 55,000 sets of wall washer lights, 37,000 sets of slim-line lamps and 15,000 sets of projection lamps were used in the project. There were more than 20 types of lamps with a total number of nearly 1.8 million sets.

Among them, the number of EXC-P40GM pixel lights reach 1.55 million, which is the most pixel lights used in this project. The lighting of the whole project was based on warm colors, perfectly matching the themed colors of the BRICS Summit. The PC Amber+ white-light dual-color temperature mixed-light emitting scheme perfectly presented the "BRICS Mode" through the secondary optical lens and showed Xiamen's colorful nightscape.

"Post-BRICS" era

In the "Post-BRICS" era, the beauty of Xiamen's lighting will last forever. As soon as the BRICS Summit was over, the "BRICS Tourism Craze" in Xiamen had already arisen. During the 2017's National Day holidays, Xiamen attracted quite a number of tourists from home and abroad. According to statistics, the number of visitors to Xiamen exceeded 2.12 million. The booming tourism in Xiamen benefited from both the dividends of the BRICS Summit and the great improvement of the city's image.

Glorious G20, Charming Hangzhou

—Themed Lighting of G20 Summit in Hangzhou -Qianjiang New Town

After nightfall, when the evening lights were lit in Qianjiang New Town, the whole city was immersed into transparency and brightness. Looking from the City Balcony, the outdoor lights on the facades of more than 30 buildings in the CBD of Qianjiang New Town were all lit, and the dynamic images of various light combinations appeared. The national flags of the G20 Summit countries were shown one by one on the light screen, brilliant indeed.



Project location: Hangzhou, Zhejiang

Time of completion: May 2016

Designer: Beijing THDLI Inc.

Cooperators in construction: Beijing Xinshikong Technology Co., Ltd., Leyard Lighting Co., Ltd. (former Shenzhen Jinda Lighting Co., Ltd.), Zhongtai Lighting Group Co., Ltd., and Tsinghua Tongfang Co., Ltd.

General Contractor for centralized control of lighting: Tsinghua Tongfang Co., Ltd.

Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.

Provider of 4G city cluster lighting Internet control system (EXC-ECCP1.0 Cloud Control Platform): Shenzhen EXC-LED Technology Co., Ltd.



Project overview

The whole project including Phases I, II and III used nearly 400,000 EXC-LED LED pixel lights, over 5,800 sets of wall washer lights and projection lamps, and over 8,200 sets of transparent light guide lamps. The project has a total length of 3.5 km from Qingchun Road in the east to Qingjiang Road in the west. The buildings include: T-shaped City Balcony, Hangzhou International Conference Center, Hangzhou Grand Theater, Citizens' Center and CBD business district complex of Qianjiang New Town. The 4G wireless interconnection intelligent lighting control system for the large-scale city cluster lighting with 35 building nodes in the project was provided by EXC-LED as a whole.



Technological innovation

This project is the first one in China realizing synchronous intelligent lighting control among 35 buildings through the 4G wireless private network. In the project, the bi-directional fault feedback technology was adopted on an ultra-large scale for the first time; the 4G wireless linkage control technology was adopted on an ultra-large scale for the first time; the multi-type networking technology was adopted and perfectly integrated for the first time; the 4G city cluster lighting control, real-time report push and remote testing support were realized for the first time.

Show on CCTV

In the evening of August 28, 2016, CCTV13 broadcast the G20 Summit Light Show live. The on-site reporters, focusing on featured products and exclusive viewpoints, displayed and introduced lamps more used in the show. The G20 Star pixel lights designed by EXC-LED for the G20 Summit in Hangzhou became the focus of millions of TV audience. The G20 Star pixel lights has DMX512 parallel design, ultra-high gray scale from 256 level to 65536 level, long-distance visual consistency design, and large-span precise visual angle optical design, presenting clearer and finer animation effect and smoother, richer and softer colors.



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The Guinness World Record Light Show Project

Nanchang “One River, Two Banks” Light Show Project

Wenzhou Oujiang River Banks Core Section Nightscape Lighting Project

China Illuminating Engineering Society Lighting Award – First Prize Light Show

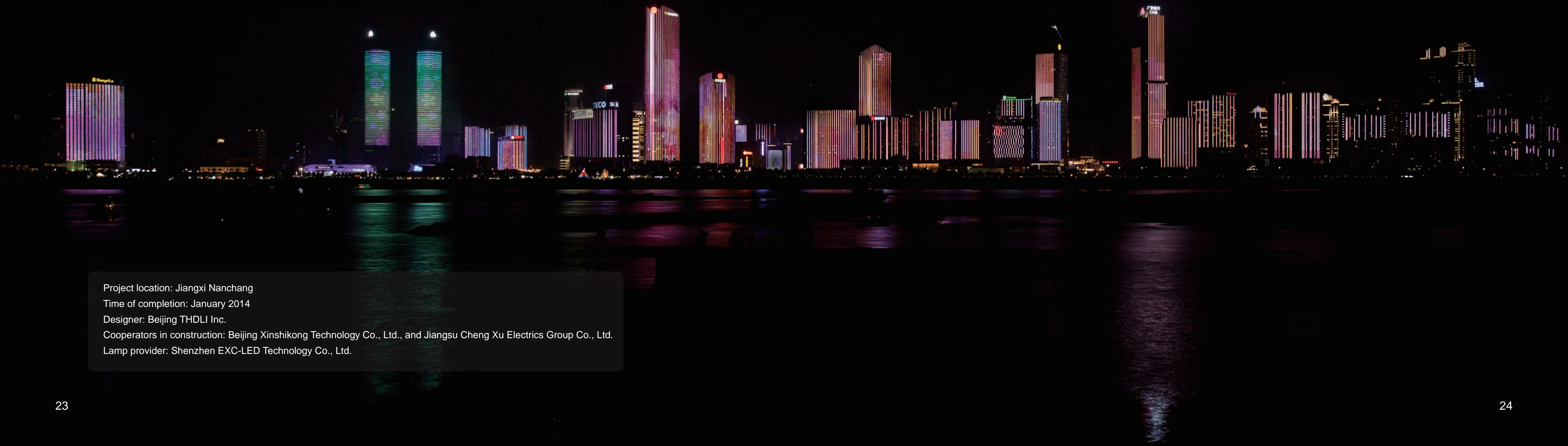
Shenzhen Futian (Related Areas) Nightscape Lighting Project

Wenzhou Oujiang River Banks Core Section Nightscape Lighting Project

The Guinness World Record Light Show

——Nanchang “One River, Two Banks” Light Show Project

In this project, all 293 buildings along the two banks of the river put on LED lights and light up simultaneously, forming a gorgeous lighting belt of 8 km, a Guinness world record of “the most buildings in a permanent light and sound show” in 2015. The project has run for over 6 years and has been highly recognized by all sectors of the industry.



Project location: Jiangxi Nanchang

Time of completion: January 2014

Designer: Beijing THDLI Inc.

Cooperators in construction: Beijing Xinshikong Technology Co., Ltd., and Jiangsu Cheng Xu Electrics Group Co., Ltd.

Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.

Project overview

This project of lighting and upgrading is located between Nanchang Bridge and Bayi Bridge, covering all revetments and riverside buildings at the east and west banks of Ganjiang River. At the west bank, the project stretches north-south along the riverside zone of Honggutan New District, starting from the ferris wheel in the south to China Aviation International Plaza north of Bayi Bridge. The installation sites mainly include the revetments, Century Square, Ferris Wheel and buildings that can be seen from varied viewpoints along the river. Among them, buildings with a height of more than 200 m include Xindi Center, International Financial Center, Lianfa Square, Wall Street Sheraton Hotel, China Aviation International Plaza, etc.

Project effect

The 8-km lighting at the two banks from Nanchang Bridge and Bayi Bridge is designed under the leadership of the famous French designer Louis Claire who was specially invited by the Owner. The overall lighting effect has been planned with the coordination of THDLI Inc. The lighting at the west bank, themed "Picture Scroll of Lights", provides an overall dynamic picture scroll, the first in China. For the new district, special scenarios such as "Green West Mountain" and "Sunset & Lonely Duck" as well as the vivid "High Mountains and Flowing Water" have been designed. For the old city on the east bank, the lighting has featured Tengwang Pavilion, one of the symbols indicating Nanchang as a famous historical and cultural city. The project has highlighted the core business circle with Tengwang Pavilion and the "Twin Towers" in the Honggutan Green Belt as the center; the lights on the Pavillion and those on the Towers cooperate with each other and create a unique night scene of "One River, Two Banks; Pavilion and Towers Shining Together", a harmonious marriage between history and modern times.

Technical highlights

The linkage display of 293 buildings in this project uses pixel lights as the carrier. EXC-LED, as the only provider of dynamic lamps for this project, has provided all the required pixel lights. A total of 1.1 million Generation-3 LED pixel lights were selected. This project has solved the problem of automatic address writing of large-scale DMX lamps for the first time, and has adopted DMX512 technology, RGBW four primary colors and other industry leading technologies for the first time on an ultra-large scale.

"Star of Nanchang"

The "Star of Nanchang" Ferris Wheel is located in the Ganjiang Citizen Park by Ganjiang River in Hongji-aozhou, Honggutan New District. It is 160m high and is a landmark building in Nanchang City. The ferris wheel uses more than 65,000 EXC-P55AS pixel lights, adopting aluminum profile installation and DMX512 control drive. After all lights are turned on, the whole wheel will become a big colorful clock with a diameter of 153 meters. Besides, the light pattern is changeable and could be customized on demand, manifesting the image of Nanchang as a dynamic city in the world.



Double Guinness World Records Light Show Project

—Wenzhou Oujiang River Banks Core Section Nightscape Lighting Project

On the National Day of October 1, 2018, the project officially Started up, for which EXC-LED had provided nearly 500,000 pixel lights and a 4G city cluster lighting Internet control system. The brilliant animations of light of shadow presented a beautiful gift for the birthday of New China. On November 8, this night tour project was granted with two Guinness world records of “largest mountain light show” and “largest light waterfall”, which were presented by Mr. Blythe, Vice President (Global Business) from the UK Headquarters of Guinness World Records Limited.

Project location: Wenzhou, Zhejiang

Time of completion: October 2018

Owners: Wenzhou Housing and Construction Committee, and Wenzhou City Investment Group

Designer: Beijing THDLI Inc.

Cooperators in construction: Beijing Landsky Environmental Technology Co., Ltd.

Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.

Provider of 4G city cluster lighting Internet control system (EXC-ECCP1.0 Cloud Control Platform): Shenzhen EXC-LED Technology Co., Ltd.

Project overview

This night tour project is one of the supporting projects for Wenzhou to build "Five Development Ecologies", build "an International Smart City of Fashion" and promote the "Great Construction and Great Beauty". The project was put into trial operation on the National Day and won widespread praise from citizens and tourists, as well as reports from CCTV and media at all levels. The project starts from the Qidu Bridge in the east and ends at the Dongou Bridge in the west. The north and south are bounded by the two banks of the Oujiang River. It involves 450,000 m² of building facades on both sides of the Oujiang River, 9.5 million m² of mountain area, 10 km of bridges, really a huge project. Taking the unique mountains, buildings and bridges on both banks of the Oujiang River as carriers, the lights are employed to interpret Wenzhou's unique magical landscapes and Ouxiu embroidery's humanistic scenes, thus opening up a brand-new night tour along Oujiang River and creating a new impression of Wenzhou with humanistic feelings and fashionable wisdom.

Theme design

The light show takes Shengmeijian Mountain on the north bank of Oujiang River as the carrier, it is divided into five chapters: "Home", "City", "Landscape", "Business" and "Change". It shows in series the tribute to the great motherland, the origin of Wenzhou, Ouyue Culture, Wenzhou Merchants' Culture, and the 40th anniversary of Reform and Opening-up. The most shocking part, the "world's largest light waterfall" in the whole light show, appeared under the theme of "Landscape". The waterfall cascades thousands of miles from the top of the mountain, just like the milky way.

The world's largest mountain light show

As night falls, the core section on both banks of the Oujiang River have been brightly lit up and become a beautiful scenery in Wenzhou City. One of the most interesting things worth watching is the light show on the mountain with the theme of "Performing Wenzhou Legends and Enjoying Ouyue Landscape" being staged on the north bank of Oujiang river. With Shengmeijian Mountain as the carrier, it tells the origin and development of Wenzhou in a colorful way, and shows Wenzhou's history and culture as well as smart and fashionable image to both citizens and tourists. It is especially worth mentioning the design of the "light waterfall", in which majestic beams of light pour down from the top of the mountain and set off against the tranquil Oujiang River, making people present feel the unique charm of the "magic landscape". As the highlight of the project, Shengmeijian Mountain includes 11 mountain bodies with a maximum altitude of 500 m, mostly cliffs. Among them, the designed light waterfall is the first in the industry, with great difficulty in construction, and is the largest mountain light show in the world.



The world's largest light waterfall

The "light waterfall" is the biggest bright spot and also the biggest difficulty in the light show. It is located in a "U" shaped deep canyon between two mountain ranges. Most of the mountains are cliffs. The terrain is very steep and the geological conditions are very complicated. There is no experience in the industry which can be learnt from. During the construction period, in order to realize the concept of the "light waterfall", EXC-LED's technical support personnel, the Designer and the Constructor continuously studied and discussed this project, and finally solved the terrain-related problem with the mountain's extra-long span drawnet structure. In the whole process from design, construction and operation, EXC-LED always adheres to the principles of minimum damage and maximum protection. After completion, the light waterfall has a total area of 130,000 m², setting the world's record!The mountain light show has used nearly 200,000 EXC-P45AM pixel lights, forming a three-dimensional light and shadow effect. What a spectacular scene it is!

Project value

The Guinness Records, collecting the most "world's greatest", has more than 40,000 outstanding records, covering natural science, humanities and entertainment, emerging technologies, urban life and other fields. The Shengmeijian Mountain Light Show, which has set a Guinness World Record, is a pioneering work in light engineering for its large size and great construction difficulty. Being listed among the world's greatest is a recognition of China's city lighting projects and an encouragement to cultural creation workers. The brightened night tour project for the core section on both banks of Oujiang River not only promotes and improves the quality of Wenzhou's night scene, but also greatly pushes the upgrade and development of the city's cultural tourism at night. It integrates Wenzhou's traditional culture and tourist industry, creates a brand of tourist culture for the city that truly presents Wenzhou's new style, new culture and new economic form.

Shenzhen Speed, EXC-LED's light

—The Ceremony for the Shenzhen's 40th Anniversary of Reform and Opening-up and the Themed Light Show

Shenzhen, as the first special economic zone of China's reform and opening up, has created a "Shenzhen Speed" that attracts worldwide attention. In order to embrace the 40th anniversary of the reform and opening up and the 38th anniversary of the founding of Shenzhen Special Economic Zone, further improve the quality and comprehensive competitiveness of the urban environment, build a beautiful Shenzhen, and create a business environment that is suitable for living and business, Shenzhen City organized and implemented this outdoor lighting upgrade campaign in 2018, as a gift to the motherland, to the Reform and Opening-up, and to the masses of the people who are constantly striving!

Project location: Shenzhen City

Time of completion: December 2018

Designers: Beijing THDLI Inc., Beijing UrbanDNA Landscape Design Co., Ltd., and Shenzhen Dasheng Environmental Art Co., Ltd.

Cooperators in construction: Leyard Lighting Co., Ltd., Shenzhen Minkave Technology Co., Ltd., Shenzhen Kaiming Lighting Co., Ltd., Shenzhen Golden Lighting Industrial Co., Ltd., Beijing Landsky Environmental Technology Co., Ltd., Shenzhen Wenye Lighting Industrial Co., Ltd., Beijing Shengguanggu Technology Co., Ltd., Shenzhen Noel Ecological Environment Co., Ltd., OSRAM (China) Lighting Co., Ltd., Shenzhen Yonghengguang Lighting Technology Co., Ltd., Xi'an Mingyuan Sound and Light Art Application Engineering Co., Ltd., HES Technology Group Corp., Ltd., Shenzhen Guangcai Mingzhou Lighting Technology Development Co., Ltd., Shenzhen Hengmingxing Illumination Co., Ltd., and Shenzhen Tiandi Lighting Design Engineering Co., Ltd.

Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.





Project overview

As a pioneer city in China, Shenzhen has completed a special urban lighting planning covering nearly 2,000 km² within the city and involving about 900 km² of construction land. Shenzhen's lighting development goal is "Pioneer City, Lighting Pengcheng". The planning principle is "people-oriented, scientific and technological innovation, energy conservation and environmental protection, civilization and harmony". With the integrated spatial structure of "three axes, four cores, five bays and six points" as the main line and framework, the overall structure of the "five horizontal and eight vertical" main grid is formed on the road lighting. The top priority is to create the night scene of "One Line, Two Points". The first line refers to Shennan Avenue and the two points refer to Futian Center and Houhai Center. Besides, in combination with the opening of the tourist route for looking at Shenzhen from the sea, beautiful coastline and skyline lights in the western section of Shenzhen Bay is created. In terms of lighting zone planning, each district in Shenzhen has a clear position, namely, grand Futian, smart Nanshan, colorful Luohu, charming Longgang, mountain & sea Yantian, energetic Longhua, green Guangming, innovative Pingshan, dreamy Baoan and ecological Dapeng.

EXC's light

EXC-LED, as the exclusive product provider for Shenzhen's 40th anniversary celebration of reform and opening up, has helped Shenzhen create "One Line, Two Points" night scenes in Luohu, Longgang, Bao'an and Longhua Districts, adding luster to Shenzhen and perfectly interpreting "Shenzhen Speed" and "Shenzhen Quality".

Futian CBD

The light show in Futian Central Area of Shenzhen takes Lotus Peak, Citizen Center Square and other important perspectives as the display screens, forming a large pattern of night scenes with Citizen Center as the core and Ping'an Building as the landmark. EXC-LED, as the exclusive provider of CBD pixel lights for the 40th anniversary of Shenzhen's Reform and Opening up, has adopted over one million pixel lights such as EXC-P53AP and EXC-P28T. They are professional LED pixel lights specially designed by EXC-LED for this project. Each pixel can realize 65536-level gray scale change, and the control technology of high gray scale and high refresh rate without stroboflash makes the color changes and animation effects more smooth, exquisite and realistic!



Smart Nanshan

The Nanshan Outdoor Lighting Upgrade Project includes the skyline lighting of the western section of Shenzhen Bay, the bridge lighting of Beihuan Avenue and Binhai Avenue, the lighting along Shennan Avenue, and the lighting nodes of Shenzhen Bay Avenue and its surroundings. As the main provider of products for Nanshan Themed Lighting Project, EXC-LED basically covers the entire Nanshan. The project uses EXC-P43AP and EXC-P85 pixel lights, EXC-D30F linear lights, EXC-W42B, EXC-W55C and EXC-W62C wall washer lights, Panel light and other outdoor lighting products.

Colorful Luohu

Luohu District's nightscape is themed with "Colorful Luohu" and is divided into three categories. It is one of Shenzhen's three core nightscape areas. EXC-LED helped Luohu lighting upgrade and provided the project with EXC-P40AP2, EXC-P43AP and EXC-P22AP pixel lights, EXC-W42B, EXC-W55C, EXC-W80 and EXC-W33 wall washer lights, EXC-D30F and EXC-D30 linear lights, EXC-B125 and EXC-B150 projection lamps and other products, which outlined the graceful buildings in the deep night.



Project value

EXC nightscape scroll pays tribute to the 40th anniversary of Reform and Opening-up! In the evening of September 28, 2018, the "Brilliant New Era" light show in Shenzhen's central district officially started and quickly became a focus of national attention. As of the evening of October 6, the number of people in the viewing areas of Lotus Peak and the Citizen Square had reached 1,121,000, with a peak of 218,000 on the night of the National Day. According to Shenzhen Bureau of Culture, Sport and Tourism, Shenzhen received 6,034,100 tourists during the 7-day National Day holidays in 2018, up 8.48% year-on-year. The tourism revenue reached RMB 6752 million, up 9.55% year on year; among them, 5,400,700 were domestic tourists, up 8.44% year on year; the domestic tourist revenue reached RMB 6.06 billion, up 10.21% year on year. Since the first show, the general public and tourists have kept their enthusiasm for the performance. The best "Camera" places, such as Citizen Square and Lotus Peak, are filled up early every day by the citizens. Shenzhen is not only a sample city for domestic reform and opening up, but also a business card of China to the world. The world's eyes focus on China, while China's eyes focus on Shenzhen!



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Provincial cities

Fuzhou Downtown Lighting and Upgrading
 Haikou City Nightscape Lighting
 Lighting for the National Minority Games in Zhengzhou
 Lighting for the National Student Sports Games in Tianjin
 Overall Lighting for Grand Theater and Jiangbeizui CBD in Chongqing
 Changsha Xiangjiang Banks Light Show
 Xi'an Chanba River Light Show
 The 2nd Youth Games of the People's Republic of China in Taiyuan
 Nightscape lighting project in Xi'an High-tech Zone
 Lighting project of Hohhot downtown
 Lighting improvement in Nanjing downtown
 Overall lighting in Kunming downtown
 Overall Lighting of Guanshanhu District, Guiyang
 Renovation and lighting of Changchun old downtown
 Nightscape lighting of Urumqi West Bridge area
 Nightscape lighting in Chaoyang District, etc., Beijing,
 Shanghai international media port light show in China Media Group
 Nightscape lighting project on both banks of Yongjiang River in Nanning, Guangxi

Happy Fuzhou, Beautiful Rongcheng

——Fuzhou Downtown Lighting and Upgrading

In order to beautify Fuzhou's urban environment and display its image as core city in the Haixi Economic Zone, Fuzhou has launched the downtown lighting and upgrading project. In August 2017, all phases, Phases I, II, III and IV, of Fuzhou Downtown Lighting and Upgrading project, which had gone through several months, were completed. EXC shines brightly in Fuzhou and Rongcheng is welcoming people from the world. High-rise buildings rising straight from the ground, colorful lights shining all over the city, Fuzhou hence had a completely new look.

Project location: Fuzhou, Fujian

Time of completion: August 2017

Owner: Fuzhou Outdoor Advertising and Lighting Nightscape Construction Management Office

Designer: Zhejiang Urban Construction Garden Planning and Design Institute

Cooperators in construction: Beijing Xinshikong Technology Co., Ltd., Jiangsu Baode Lighting Group Co., Ltd., Jiangsu Chengxu Electric Group Co., Ltd., and Nanchang Meini Light Environment Technology Development Co., Ltd.

Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.

Provider of 4G city cluster lighting Internet control system (EXC-ECCP1.0 Cloud Control Platform): Shenzhen EXC-LED Technology Co., Ltd.



Financial Street

Financial Street is located on the north bank of Minjiang River, adjacent to Aofeng Bridge, and has the best spatial visual corridor in China. China Merchants Bank, Communications Group, Wanda Plaza, Hengfeng Bank, Shenfa Building, Huapu Building and Shenglong Building gather together here. The application of 360,000 EXC-P51SP pixel lights, under the control of the 4G city cluster lighting Internet control system, presents naked-eye 3D visual effects through the superposition and change of light layers, creating a domestic top-level 3D light show. Three Lanes and Seven Alleys historical blocks, Baita and Wuta historic sites and other characteristic elements of Fuzhou are presented one by one. The city is in the picture, and the picture is on the river, so beautiful!

Project overview

EXC-LED is the major provider of product and control system for the Fuzhou Downtown Lighting and Upgrading Project. The main contents of the whole project are “One River (Minjiang River), One Axis (Bayiqi Road Central Axis), One Line (Qinting Viaduct –North Wusi Road – Hualin Road), Three Centers (Xihu Park, Wuyi Square, and Strait International Convention and Exhibition Center surrounding)”. EXC-LED’s bid section under the project includes the Financial Street in the Strait Financial and Business Zone, Zhongzhou Island, West Lake, Zhongting Street, Jiangxin Park, Baita Tower, Wuta Tower, Gushan Bridge, Kuipu Bridge, Buildings on both banks of Minjiang River, etc., which perfectly cover the "One River, One Axis, One Line and Three Centers".

Technical highlights

This project totally adopted 360,000 EXC-P51SP pixel lights, 27,200 EXC-34AS pixel lights, 10,000 EXC-P52AS pixel lights, 2,296 EXC-P85GM pixel lights, 6,024 sets of EXC-W42B wall washer lights, 4,669 sets of EXC-W45A wall washer lights, 14,331 sets of EXC-U28NR linear lights and 2,066 EXC-U28NC linear lights. In order to solve the problem of long-distance power supply for super high-rise buildings, pixel lights have adopted a wide voltage (DC15-48V) power supply scheme on a large scale. This project applied EXC-LED’s 4G city cluster lighting Internet control system. This project, in line with the three-dimensional characteristics of the buildings, tried to display the 3D effect, and achieved excellent visual effects.





Zhongzhou Island

With an area of more than 70,000 km², Zhongzhou Island's architecture is of Euro-pean-style, known as the "Pearl of Nantai" and one of Fuzhou's Top 10 scenic spots. Totally 3,050 sets of EXC-U28NR linear lights and 1,226 sets of EXC-W45A wall washer lights were used in the buildings on the island. The warm golden light shines on the building walls and reflects in the Minjiang River. From a distance, the whole Zhongzhou Island has become a golden "Fairy Tale City" in dream.

Zhongting Street

Zhongting Street is located on the bank of Minjiang River at the southern end of Baiqi Road, with a total length of more than 500 m. It is a central axis carrying Fuzhou's 2,000-year history and culture. Lengyanzhou set up "Zhongting" to form a market. People of past dynasties called Lengyanzhou "Zhongting Street". The whole Zhongting Street has used 4,959 sets of EXC-U28NR linear lights, 640 sets of EXC-W45A wall washer lights and 449 sets of EXC-W42B wall washer lights. In the warm light, the buildings along the street are transparent and three-dimension-al, shimmering like the milky way, showing the unique and prosperous style of this ancient commercial street.

Baita Tower

Baita Tower stands at the foot of the mountain, facing far apart Wuta Tower at Wushan Mountain. The cold white lights outline the beautiful outline of the Baita Tower layer by layer, and the gradually changing blue and white lights on the top of the tower highlight the clean atmosphere of the ancient Tower. Wuta Tower retains the original stone effect in the faint light, appearing solemn.

West Lake

The "Ink Painting-like West Lake" covers an area of 42.51 hectares. It has a history of more than 1700 years and is the most complete classical garden in Fuzhou so far. It is called the "Pearl of Fujian Gardens". The park used 5,853 sets of EXC-U20NR linear lights, 772 sets of EXC-W42B wall washer lights and 269 sets of EXC-W45A wall washer lights. The colorful lighting along the lake banks, bridges and green plants, together with the surrounding Fujian Museum, the Great Dream Pavilion and the internal pavilions, achieve uniform light colors, create seasonal lighting effects, and form a gorgeous picture scroll.



Great Coconut City, Shining in the Southern Borderland

—Haikou City Nightscape Lighting

In order to significantly enhance the cityscape and lay a solid foundation for building an international river-side and coastal garden city, in December 2016, the Haikou City Nightscape Lighting Project Phase I, which adopts PPP mode, was officially launched. The night scene of the “Coconut City” is colorful and shining brightly in the Southern Borderland.

Location: Haikou, Hainan
Time of completion: October 2017
Designer: Beijing THDLI Inc.
Cooperator in construction: China Railway No. 3 Engineering Group Electric Engineering Co., Ltd.
Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.
4G city cluster lighting Internet control system provider (EXC-ECCP1.0 Cloud Control Platform): Shenzhen EXC-LED Technology Co., Ltd.



Project overview

Combining with the city's spatial layout, Haikou city focuses on building a "two-axis, two-zone, eight-zone, multi-node" urban lighting system, and EXC helps Haikou build a city lighting project. The construction of the project focuses on the construction of the Haikou Bay and focuses on showing Haikou's coastal city portal. The project is extended by Binhai Avenue, Longkun Road, Changdi Road North and Guoxing Avenue, and is connected by Haikou Railway Station, Haikou High-speed Railway Station and Meilan International Airport as notes, so to create a focused and rich-layered city nightscape.

Technical highlights

The project used more than 1 million EXC-LED pixel lights of various types, including over 800,000 EXC-P52AS pixel lights, over 37,000 sets of EXC-W33 wall washer lights, over 20,000 sets of EXC-W42 wall washer lights, over 18,000 sets of EXC-W55C wall washer lights and over 15,000 sets of EXC-W64B wall washer lights, and a total of over 20,000 sets of projection lamps EXC-B80, EXC-B150, EXC-B240B and EXC-B270B. This project adopts 4G city cluster lighting Internet control system: the super parallel processing architecture greatly shortens the data processing time; the seamless integration of strong and weak current and unified management of mobile terminals is realized for the first time; the hot backup of the processing center is realized for the first time, which greatly improves the reliability of the system.



Area distribution

The project construction involves coastline and road in length of about 32.3km, and about 690 buildings. The scope of the project is Haikou Bay area, including Haikou Bay, Binhai Avenue and Haidian Island. In this project, the elevation of high-rise buildings is mainly provided with pixel lights, spotlights, etc. so as to brighten the night view of the city and highlight the city's theme. Phase I of the project mainly covers Haikou Bay area, involving 235 buildings, green belts along Binhai Avenue (from Binhai Interchange to Qiu Hai Avenue), coastline of Century Park and coastline of Wanluyuan Park.

Project effect

As night falls, light and shadow flow. All kinds of light and shadow are constantly moving on the high-rise buildings, and the colorful lights are reflected in the waves on the sea. The tall buildings that lie against waters are covered with colorful "coats" and reflected on the water surface, just like gorgeous brocade with unique charm. Flowers, swimming fish, birds and other patterns on multi-span buildings decorate the unique scenery of coastal cities ... The changes of scene in the dim light of night are quietly taking place in Haikou. The night scene of Coconut City is colorful, shining in the motherland's southern borderland.

Working Harder in the New Era, More Brilliant the Central Plains

—Lighting for the National Minority Games in Zhengzhou

On September 8, 2019, the 11th National Minority Traditional Sports Meeting opened in Zhengzhou Olympic Sports Center in Henan Province. Brothers and sisters from 56 nationalities from all parts of the motherland gathered in the Central Plains to compete with each other, showing the styles and features of the Chinese Nation's great family and playing the movement of the times of unity and endeavor. The games are the largest and highest-level traditional minority sports event in the country and a celebration of national unity and mass sports for the 70th birthday of New China.

Project location: Zhengzhou, Henan Province

Time of completion: September 2019

Designers: Beijing Thupdi Co., Ltd., TORYO International Lighting Design (Beijing) Center Co., Ltd., and Zhengzhou Dongzhichen Lighting Design Co., Ltd.

Cooperators in construction: Beijing Landsky Environmental Technology Co., Ltd., Beijing Xinshikong Technology Co., Ltd., Beijing Huaming Jiuzhou Landscape Art Co., Ltd., Shandong Tsinghua Kangli Urban Lighting Research and Design Institute Co., Ltd., HES Technology Group Corp., Ltd., Henan Xinzhongfei Electronic Co., Ltd., Henan Flood Lighting Engineering Co., Ltd., Hengdian Group Tospo Lighting Co., Ltd., Leyard (Xi'an) Intelligent System Co., Ltd., Shenzhen Minkave Technology Co., Ltd., Shenzhen Qianbaihui Lighting Engineering Co., Ltd., Shenzhen Mingzhihui Construction Engineering Co., Ltd., Shenzhen Dart Lighting Co., Ltd., Shenzhen Hengmingxing Illumination Co., Ltd., Shenzhen Wenye Lighting Industrial Co., Ltd.

Project integrated control system and products major supplier: Shenzhen EXC-LED Technology Co., Ltd



During this quadrennial national pageant, the ancient capital Zhengzhou was full of lights and jubilant people. EXC-LED also devoted itself to providing lighting products for Zhengzhou Olympic Sports Center, Green Center - Qianxi Square and buildings in district centers. It helped to beautify the central plains with light and shadow, going to the golden age together. Over 1 million EXC pixel lights, nearly 100,000 wall washer lights, about 50,000 linear lights, and almost 5000 flood lights were used in this project. They comprehensively combined Zhengzhou's characteristics, integrated the concept of "symbiosis" between history and modern and between nature and city into "Wishful Zhengzhou", took Qianxi Square as the trigger point, and presented a huge-scale "prosperous time and happiness" symbolizing good luck and harmony through the "big moves" of the light and shadow devices.



Zhengzhou Olympic Sports Center

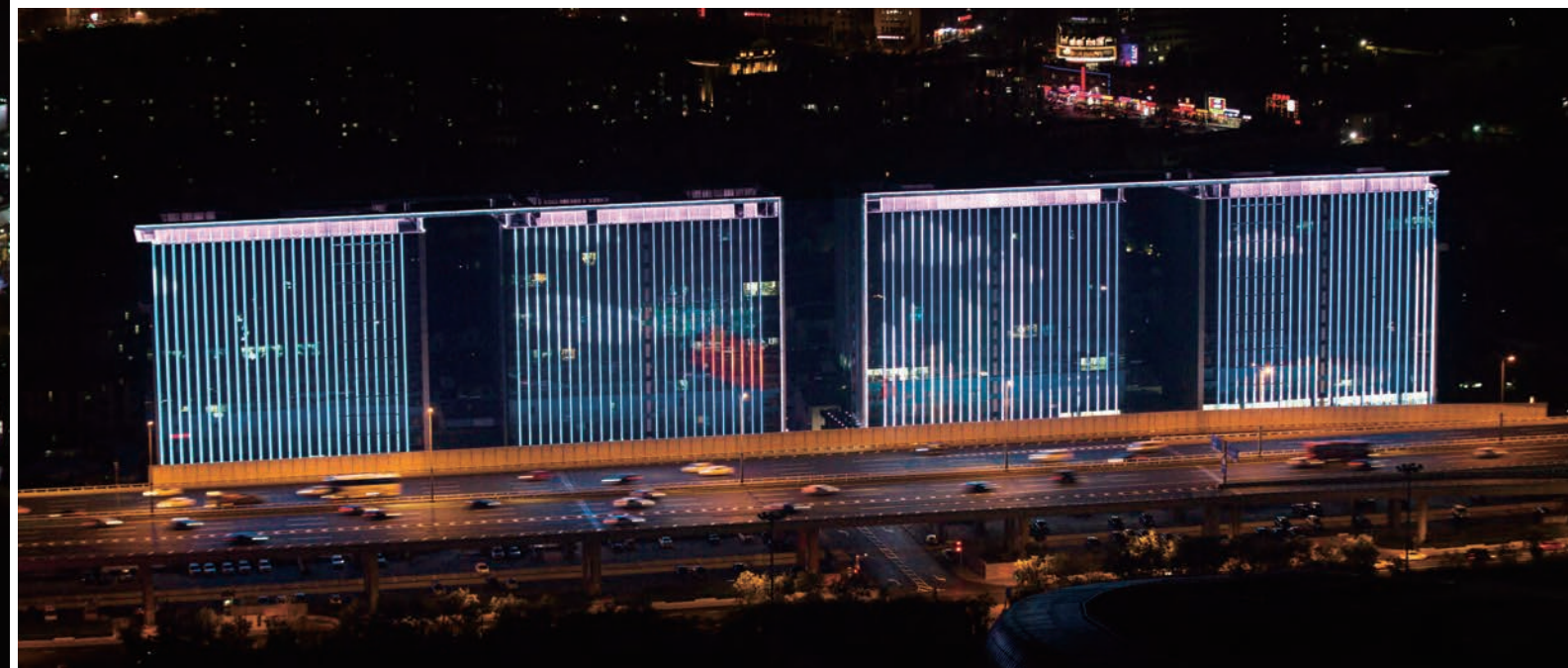
Zhengzhou Olympic Sports Center (Stadium, Gymnasium and Natatorium) is located in the west section of Changxihu Cluster and Zhengzhou Public Cultural Service Zone. It has the largest total scale of sports venues in the province and is the host venue of the 11th National Minorities Traditional Sports Meeting. The Olympic Sports Center is called the Zhengzhou version of the "Bird's Nest". In fact, the two design concepts are completely different. The Zhengzhou Olympic Sports Center project adopts the planning concept of "Heaven and Earth, Water from Yellow River ". The stadium, gymnasium and natatorium are like three stone islands in the Yellow River, while the surrounding environment hovers like Yellow River water. Looking from the appearance, Bird's Nest in Beijing is a hollow design of steel structure, while Zhengzhou Olympic Sports Center is enclosed. In addition to the outdoor design, the outer roof is enclosed with metal roof and sunlight board, and the metal roof is also provided with PV power generation boards, energy-saving and environment-friendly. The Olympic Sports Center has a total area of 584,000 m² and 60,000 seats. In the future, it will be a public sports and entertainment park integrating fitness, performance, convention & exhibition, tourism, entertainment and shopping.

National games shining in Tianjin

——Lighting project in Tianjin National Games

National games shining in Tianjin! The 13th National Games was held in Tianjin Olympic Center Stadium from August 27th to September 8, 2017. The light of EXC-LED lit up Tianjin. From Olympic Center to Haihe River banks, the light and shadow of EXC-LED is unprecedentedly excellent. The National Games gave Tianjin vigor and EXC-LED made Tianjin bright.

Project location: Tianjin
Time of completion: August 2017
Owner: Tianjin City Appearance and Garden Management Committee
Designer: Tsinghua Tongfang Co., Ltd
Cooperators in construction: Tsinghua Tongfang Co., Ltd
Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.
Provider of 4G city cluster lighting Internet control system (EXC-ECCP1.0 cloud control platform): Shenzhen EXC-LED Technology Co., Ltd.



Project overview

EXC-LED helped Tianjin National Games to complete outdoor lighting project, which was completed in August 2017. The 18 high-rise buildings around the Olympic Sports Center in Nankai District are the core area of overall lighting improvement project of Tianjin National Games. Through increasing light, adding color and promoting quality, the dancing light and shadow are like magnificent and bright picture scroll. The nightscape of Tianjin is particularly gorgeous and becomes a dazzling pearl in northern China.

Product and system usage

The whole project has used over 170,000 EXC-P52A pixel lights, 120,000 EXC-P52GP pixel lights, 30,000 EXC-P45 pixel lights and 200 sets of EXC-W42B wall washer as well as 4G city cluster lighting Internet control system which has been successfully applied by EXC-LED in the theme lighting of G20 Hangzhou Summit.

Project effect

The Olympic Sports Center in Nankai District has used more than 170,000 EXC-P52A pixel lights and 30,000 EXC-P45 pixel lights. Aocheng Commercial Plaza A3, A4, C5 and C7 have a commercial flavor; Buildings 17 and 18 of the Olympic village ensure the daily life of athletes; Renai Haojing International A, B, C and D blocks guard the south gate of Olympic Sports Center. Building 1-8 of Diamond Hill Residential Building is connected into one piece with bright lights and great momentum...

When the evening lights are lit in Tianjin and the “Water Drop” light in the Olympic sports center are turned on, 18 buildings around the Olympic Sports Center surround the “Water Drop”, “Flying Saucer” and “Swimming and Diving Hall” in the middle; the animated lights on wall surface correspond to the venue lights from afar and the colors change mutually. Sometime, “wild geese may fly over”, sometimes Tianjin landmark buildings move on the wall and sometimes there is a lovely image of "Jinwa". It's very wonderful and beautiful.

Hebei Quye Mansion, State Grid Building, Holiday Inn near Tianjin Eye in Hongqiao District and buildings on Jingangqiao River bank, etc. use more than 120,000 EXC-LED's EXC-P52GP pixel lights and 200 sets of EXC-W42B wall washer. With the design theme of “Extending Golden Haihe River and memorial time”, four elements of “bank, green, building and bridge” are highlighted to create the Haihe River culture and display the metropolis nightscape lighting pattern of Tianjin.

Beautiful scenery in Chongqing

——Overall lighting project of Chongqing Grand Theater and Jiangbeizui CBD

From 2015 to 2016, EXC-LED helped Chongqing to build overall lighting improvement project for the city and completed projects such as Chongqing Grand Theater, Chongqing Yunyang Bridge, Chongqing World Financial Centre and lighting of Chongqing Jiangbeizui CBD buildings.



Project location: Chongqing

Time of completion: August 2017

Designer: Tsinghua Tongfang Co., Ltd

Cooperators in construction: Tsinghua Tongfang Co., Ltd

Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.

Provider of 4G city cluster lighting Internet control system (EXC-ECCP1.0 cloud control platform): Shenzhen EXC-LED Technology Co., Ltd.



Project overview

The project adopts a lot of EXC-LED pixel lights and light control systems with total over 600,000 pixel lights and 10,000m wall washer. It uses modern technology to promote intelligent centralized control of outdoor lighting and switches on and off nightscape lights with differentiation according to ordinary days, weekends and major holidays.

Chongqing Grand Theater

Located at Jiangbeizui CBD, Chongqing Grand Theater with total construction area of 103,307.1m² is a large-scale social and cultural facility integrating opera, drama, concert and cultural & artistic exchange and multi functions. The outer wall adopts emerald color and the structure adopts a double-layer ventilation glass curtain wall system. When strong light applies to the outer layer of glass, the air between two layers heats up and rushes out from the top, which not only make the wall good looking but also effectively relieve the overheating of inner layer. The project adopts EXC-P52S RGB all-color pixel light; since the peripheral glass wall is internally transparent, the theater in the night is like a bright and transparent crystal ball.

Yunyang Bridge

Yunyang Bridge is located in Yunyang County, Chongqing. Its structure is a high-low tower cable-stayed bridge with total length of 1278.6m. The project represents simple and lively design concept by using 100,000 EXC-P52S RGB full-color pixel lights to make the stay cables of the bridge into a display screen, in which fonts and festive colors can be changed at any time, making various colors on the bridge reflect each other and look like a dream. The combination of modern lighting technology and lighting art is used to show the style and features of bridge, outline the waterline in nightscape lighting and show overall effect of outdoor lighting with the continuous winding of the city's riverbanks and complementary effect of light, shadow and river.

Jiangbeizui CBD

Located at the core area of Chongqing, Jiangbeizui CBD is the window to show Chongqing's urban image. Its lighting show focuses on the construction of "Dreamy Jiangbeizui" and "Dynamic North Bank Show" with linkage show of outdoor lighting of building in Jiangbeizui to bring the "Dreamy Jiangbeizui" lighting show to people. Led by the light show of Chongqing Grand Theater, the lights from a dozen buildings such as the nearby Financial Centre, Casin Center and Fifan Square change the patterns according to the changes of the lights of Chongqing Grand Theater, showing images such as moonlight in the lotus pond and popular dancing, etc. When overlooking the night view of city as night falls, the lights in the mountain city are colorful, which make people intoxicated with the stars of the Milky Way. The brightly Yuzhong Peninsula, the glittering four banks and two rivers, the sparkling water of the Yangtze River and the colorful cross-river bridge add radiance to each other, interweaving into an enchanted urban cultural landscape and giving Chongqing's beautiful landscape more unique charm at night. Tourists of the city sigh that "the nightscape in Chongqing is getting more and more charming!"



Gift for the 95th Anniversary of the Founding of the Party

——Light show on both banks of Yangtze River and Xiangjiang River



Project location: Changsha, Hunan

Time of completion: July 2016

Designer: Eijing THDLI Inc.

Cooperators in construction: Hunan Junze Lighting Design Engineering Co., Ltd,
Hunan Jin Traffic Facilities Lighting Landscape Construction Co., Ltd, etc.

Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.

95 years for a country is just a short snap, but for a political party, it is just in its prime. On July 1, 2016, we celebrated the 95th birthday of Chinese Communist Party. The nightscape lighting project on both banks of the river in Changsha was unveiled for the first time at 19:00 on July 1, 2016. It presented a perfect gift for the 95th anniversary of the founding of party and show loyalty with light and shadow.

The nightscape improvement project on both banks of Xiangjiang River is divided into three parts: the east bank, west bank and cross-river bridge. In addition to adjustment and upgrading to original lighting facilities, it also focuses on building many characteristic lighting nodes, which the key to promote the quality of east bank of Xiangjiang River is to improve, upgrade and reconstruct the lighting of buildings at the first visual interface; for the west bank, focus is put on the mountain line, water line, city line and shoal line, create the nightscape of Yuelu mountain, traffic police building and other landmark buildings; Fuyuanlu Bridge, Yinpenling Bridge, Juzizhou Bridge and Houzishi Bridge which have been increased lighting respectively are combined with the lighting of surrounding buildings and, consequently, a differentiated nightscape featuring leisure business, history and culture, and green ecology has formed from north to south.

This project is the basic work to enhance the competitiveness of city and key work to show Changsha's new face. EXC-LED is the major provider of LED pixel lights for this project. It is less than 20 days from signing the contract to delivery of the goods, which establish record for the shortest time from development to delivery for EXC-LED's super-large project. In terms of its extensive scope, building quantity, hard production tasks, difficult installation and short installation period, this project rank first in many project cases of EXC-LED!

The project applied industry leading technologies on a large scale such as DMX control technology, RGBW technology, large span four-color vision consistency technology, interconnected lighting control system, dedicated line and wireless networking technology, intelligent video and cutting technology, fault detection and feedback technology, remote control and debugging technology, etc.

Light and shadow on Chanhe River and Bahe River

——Lighting show on Chanhe River and Bahe River in Xi'an

EXC[®]

Project location: Xi'an, Shanxi
Time of completion: December 2017
Lighting designer: Shenzhen Qianbaihui Lighting Engineering Co., Ltd
Construction contractor: Shenzhen Qianbaihui Lighting Engineering Co., Ltd
Lamp provider: Shenzhen EXC-LED Technology Co., Ltd.
Provider of 4G city cluster lighting Internet control system (EXC-ECCP1.0 cloud control platform): Shenzhen EXC-LED Technology Co., Ltd.

There is saying that "Eight rivers around Chang 'an"; Chanhe River and Bahe River are the most famous two rivers in the Eight Rivers. Located at the edge of city center for a long time, both Chanhe River and Bahe River are not only Xi'an's beautiful scenery line but also the abundant water source. With the light and shadow variations of "Spirit of Water", "Shadow of Light" and "Soul of City", the modern buildings along the river show images of "Dragon Flying in Sky", "Volcano and Ocean" and "Freehand Landscape", showing the themes that ancient capital Xi'an remains true to its original aspiration as well as Silk Road, ocean and landscape, etc.



The project adopts 400,000 EXC-P41 pixel lights, RGBW 4+2, 8 points per meter and profile installation. The control system adopts EXC-LED 4G wireless private network. The project was completed in December 2017. The brilliant light show of buildings on the other side of Bahe River, Xi'an and dazzling lights and shadows reflected on river surface form a beautiful picture with symmetrical water and banks ... Light and shadows on Chanhe River and Bahe River become the new business card for Xi'an, an ancient capital of 13 dynasties.

The 2nd Youth Games of the People's Republic of China, Taiyuan

Time of completion: September 2019

Product: over 1.2 million EXC-P53AP, EXC-P43, and EXC-P46AP pixel lights, nearly 50,000 wall washer lights, almost 20,000 flood lights, and more than 5,000 linear lights.

Shanxi Province held the national comprehensive sport event, the 2nd Youth Games of the People's Republic of China; Taiyuan implemented lighting projects successively for 193 bridges with total investment of RMB 670 million; the stadiums and blocks “show” the new images.

The 2nd Youth Games of the People's Republic of China is the first large-scale national comprehensive sport event held by Shanxi Province. The scope of outdoor lighting and landscape project is divided into three parts:

Nightscape belt along Fenhe River: buildings at the east of Binhe East Road (Chaicun Bridge-Xiangyun Bridge), buildings at the west of Binhe West Road (Chaicun Bridge – Xiaodian Jiankang South Street), Chaicun Bridge

Core and key areas: stadiums of the 2nd Youth Games of the People's Republic of China and surrounding buildings, buildings and overpass along airport – Longcheng Avenue, surrounding buildings of Taiyuan South Railway Station and overpass, surrounding buildings and underground passage of Taiyuan Railway Station, surrounding buildings of provincial committee and government, surrounding building of municipal committee and government.

Urban trunk roads (inclusive of overfly): express way in the Middle Ring Road (bridge at first); buildings at both sides of Jianshe Road (railway station – south passenger railway station), buildings at both sides of Bingzhou Road and Wuyi Road (Shengli Street – Xuefu Street), buildings at both sides of Xinjian Road and Pingyang Road (Shengli Street – Xuefu Street), buildings at both sides of Xinjinci Road (Yingze Avenue – Xiaodian Jiankang South Street); buildings at both sides of Longcheng Avenue (Taiyu Road – Xinjinci Road); buildings at both sides of South Middle Ring Road (Jianshe Road – Xinjinci Road); buildings at both sides of Xuefu Street (Jianshe Road – Binhe East Road), buildings at both sides of Changfeng East Street, Changfeng West Street (Changfeng Expressway entrance – West Ring Expressway); buildings at both sides of South Inner Ring Road (Jianshe Road – West Middle Ring Road); buildings at both sides of Fudong Street, Fuxi Street and Yifen Street (Jianshe Road – Heping Road).





Nightscape lighting project in Xi'an High-tech Zone

Time of completion: March 2018

Used product: EXC-P22 Pixel light 700,000 pcs, EXC-P33S Pixel light 120,000 pcs, EXC-B270 Flood light 2,000 set.

As one of the six world-class science and technology parks under international key construction, Xi'an High-tech Zone has the highest concentration of talents and largest economic volume in the central and western regions; it is the most dynamic science and technology new town in the central and western regions, the first batch of national high-tech zones approved by the State Council and the science and technology new town on the Silk Road. In order to improve the development quality of the high-tech zone, fully display the vigorous environment for innovation and entrepreneurship development and let general public and enterprises feel the development vitality and beautiful nightscape with brilliant lights in the high-tech zone, the high-tech zone has fully implemented the Xi'an high-tech zone nightscape lighting promotion project since 2016 and carried out lighting renovation on some high-rise buildings along the streets.



Lighting project of Hohhot's downtown

Time of completion: December 2016

Product: EXC-W64 wall washer light (more than 60,000 pcs), EXC-P33S pixel light (more than 50,000 pcs), EXC-U20 linear light (30,000m)

Taking the 70th anniversary of the founding of Inner Mongolia Autonomous Region as an opportunity, this project enhances the image of the capital city in an all-round way, reflect the regional and national characteristics and strive to build outdoor lighting system with reasonable functions, elegant style and strong artistic atmosphere in the city. It mainly includes lighting design in key areas such as airport road, Xinhua Avenue, Zhongshan Road and Genghis Khan Avenue, so as to create a batch of high-quality blocks which can fully display the good image and elegant taste of the capital of prefecture and form the nightscape of Hohhot with clear regional division of national characteristics, modern atmosphere and commercial atmosphere. Highlighting projects in key areas include "Three Horizontal Lines", "Three Vertical Lines", "Two Rings", "Six Major City Exits" and "One Area".



Lighting improvement in Nanjing downtown

Time of completion: July 2017
 Product: EXC-P33S/EXC-P42A/EXC-P85AS pixel light (nearly 90,000 pcs), EXC-U20NA linear light (11,800 pcs), EXC-W42B/EXC-W30R/EXC-W64 wall washer light (more than 10,000 pcs), EXC-B270A flood light (more than 2,000 pcs), EXC-F1000A panel light (100 pcs)

Upgrading lighting of buildings on both sides of the city’s main road axes and bringing it into centralized control gradually is an important part of the landscape upgrading project in Nanjing. EXC-LED assists the nightscape upgrading project in Nanjing downtown; the bidding sections of project are divided into Jiang-dong Road area and Jianye District area and follow the overall plan of “two rivers, one lake, two rings and multiple nodes” to connect the points into line and connect lines into network. In July 2017, the second batch of projects to upgrade nightscape lighting in Nanjing downtown was completed.

Overall lighting in Kunming downtown

Time of completion: May 2017
 Product: EXC-P40GP/EXC-P52AS/EXC-P55AS pixel light (nearly 1 million); the main products, EXC-P52AS pixel lights, are subject to 4000K RGB+W, 8 pixels per meter, and are installed by using profiles.

Since early July 2017, Beijing Road and Panlong River, which are located at the central axis of Kunming downtown, have officially launched a project to upgrade the landscape lighting along the line. The project involves more than 360 buildings along Beijing Road and Panlong River, more than 20 river-crossing bridges and 4 districts including Dongfeng Plaza and Taoyuan Plaza. EXC-LED is the main provider of the project. The high-rise walls of Bunker Building, Tianheng Hotel, Zhiyuan Building and Huayi Plaza, which took the lead in completing the lighting project, are lined up and become light screen to display the images with Yunnan characteristics in dynamic and creative way. As outdoor lighting renovation project in Kunming, the buildings along Beijing Road, Desheng Bridge and Panlong River have lit up the nightscape of Kunming.



Overall Lighting of Guanshanhu District, Guiyang

Time of completion: October 2017
Product: EXC-P43AP pixel light (over 107000 pcs, RGB+W DC15V 1.8W, UCS512C control)

The lighting upgrading project in Guanshanhu District, Guiyang covers the core areas of Guizhou Financial City, the Convention and Exhibition Center, the Southwestern Commerce City, and the Century City, as well as three vertical roads (Yuntan Road, Jinyang Avenue, and Changling Road) and six horizontal roads (Guanshan Road, Lincheng Road, Beijing Road W, Xingzhu Road, Tiyu Road, and Jinzhu Road). This project is designed to optimize the night lighting effect of these areas. In this project, over 107,000 EXC-P43AP pixel lights (RGB + W DC15V 1.8W, UCS512C control) were installed in profiles. After completion, this project has not only further improved the appearance of Guanshanhu District, but also made Guanshanhu District a good place for citizens to play and visit at night and highlighted Guanshanhu's fashion style as a modern and lakeside flower city through the integration of lights, mountains, the lake, and water.



Renovation and lighting of Changchun old downtown

Time of completion: December 2016
Product: EXC-P42YS pixel light (400,000 pcs), EXC-P80AS/EXC-P85AS pixel light (20,000 pcs); EXC-U22NC linear light (70,000m), EXC-U28NC linear light (30,000m), EXC-U20NA linear light (20,000m), EXC-W64/EXC-W42 wall washer light (5000m)

In order to speed up the building of a modern city with more characteristics, charm, radiation and driving force, in 2016, Changchun focused on building 39 demonstration streets such as Shanghai Road, Dama Road, Shengli Avenue and Dongxin Road; 221 standardized streets such as Gongnong Avenue and Hankou Avenue; 10 business circles such as Changjiang Road, Chongqing Road and Yongchun Road; 3 historical blocks such as east of Beijing Avenue, West Plot and etc., 155 old communities such as Minfeng Community and Quan'an Community etc... Through the design and construction of lighting facilities and colors, the lighting projects for street, green spaces, buildings, parks and squares show Changchun's humanistic features, add vitality to the city and further enhance the happiness of Changchun people.





Nightscape lighting in Chaoyang District, Wangjing District, Zhongguancun, Tongzhou Xinhua Avenue and Airport Express, Beijing

Time of completion: September 2019
 Product: EXC-P25AP3/EXC-P50BM3 pixel light, EXC-U20V/ EXC-D30L/ EXC-D30C/ EXC-D46D/EXC-U37F linear light

In 2019, Beijing released *Measures to Further Prosper Night Economy and Promote Consumption Growth in Beijing* to support the nightscape lighting of “Night Beijing” landmarks, business circles and life circles, upgrade landscape projects and promote night economy. As the provider of light show products and control systems, EXC-LED provides nightscape lighting products for Chaoyang District, Wangjing District, Zhongguancun, Tongzhou Xinhua Avenue and Airport Express, etc. to help lit up the “Night Beijing” and solemnly present the motherland’s seventieth birthday with the brilliance of science and technology. From the beautiful Olympic Park to the bustling CBD in Beijing, stars and neon lights echo each other from the north to south of Chaoyang City and delight the capital. From Sanlitun where leads the literature trend to Dawangjing where gathers science and technology and Silon, where has the largest cement silo group in the world, words like “I love you China” and “long live the motherland” with true feelings have appeared brilliantly on many landmark buildings. From south to north and from west to east, “China Red” shines in the sunrise and night sky to express deep love for our motherland. During the national day in 2019, these five light shows will focus on the theme of “flourishing age’s beautiful scenery in Chaoyang District, bright light show to greet motherland’s birthday”, record China’s glorious journey from rising to become rich and strong in different chapters.

Nightscape lighting of Urumqi West Bridge area

Time of completions: December 2018
 Product: EXC-P42GP/EXC-P21AP pixel light, control system, etc.

In this year, according to the requirements of linking up into plots and lines into scenes as well as the overall arrangement of Urumqi municipal party Committee on the creation of new year’s and Spring Festival atmosphere, in order to fully demonstrate the security, happiness and sense of attainment of people of all ethnic groups in the city, display the great situation that whole city is focusing on the overall goal, making great effort to the “Three Major Events” and building the “Six Capitals of prefecture”, the Publicity Department of Urumqi municipal party Committee takes the lead of this lantern show with the theme of “Our Chinese Dream”, carefully builds three districts including Grand Bazaar, West Bridge district and Convention and Exhibition Center as the key works, which combine dynamic and static conditions as well as cold and warm light sources and, on the basis of bright lights on the National Day in 2018, add new quantities and elements according to the characteristics of each district.

The light show in the West Bridge district uses outdoor lighting products such as EXC-LED’s EXC-P42GP, EXC-P21AP pixel lights and control system, which adopt the most advanced building light curtain technology and full-color technology in China, combine with computer programming, select several prominent buildings such as Times Plaza and Hongshan New Century as the main display areas according to the characteristics of these buildings around the West Bridge and present brand-new visual feast with rich picture to general public and tourists.





Nightscape lighting on both banks of Yongjiang river in Nanning, Guangxi

Time of completion: November 2018
 Product: EXC-P35AP2 pixel light (more than 770,000 pcs), EXC-W55C wall washer light (900 pcs), EXC-W42C wall washer light (4,500 pcs), EXC-W35C wall washer light (4,200 pcs), EXC-D50D linear light (3,200 pcs), EXC-6000P master controller (16 pcs), EXC-5000WT master controller (31 pcs), EXC2905 slave controller (697 pcs), master controller, etc.
 Control system: EXC-ECCP2.0 cloud control platform

In order to welcome the 60th anniversary of the founding of Guangxi Zhuang Autonomous Region and further enhance Nanning's image, Guangxi Zhuang Autonomous Region government has implemented the nightscape lighting project on both banks of Yongjiang River. The project, starting from Qingchuan Bridge in the west and ending at Taoyuan Bridge in the east, focuses on the lighting renovation of 15 river-crossing bridges, beach greenbelts and buildings with length of 24.1km along the bank. It takes the urban memory as soul and riverside culture as rhyme to create nightscape with distinctive features and gorgeous colors through the control of light and shadow changes and light color brightness. The project which has lasted for half a year includes 15 bridges and nearly 20 buildings which are equipped with EXC-LED smart cloud control platform and 4G city cluster lighting internet control system, it may achieve control advantages of over 10 million pixels; on-line master controller realize GPS/BTS clock synchronization, support video segmentation, upload/download and play and may be linked in infinite stages; realize intelligent light control, strong electricity management control, map working conditions, intelligent monitoring and other functions. The EXC-ECCP2.0 cloud control platform is invested and researched by EXC-LED, which took two full years to develop and launch through a series of practical demonstration. It uses the latest Internet of Things and AI technology and combines with existing basic network to build a city-level intelligent control platform, achieving the growth and expansion of platform's capability and application scope, creating future-oriented city comprehensive control intelligent cloud control platform and greatly improving the energy conservation, environmental protection and management efficiency of the light show at both banks of Yongjiang River.

China Media Group Shanghai International Media Port Light Show

Time of completion: October 2019
 Product: EXC-P42GP pixel light

China Media Group Shanghai International Media Port Light Show project is the first in the industry to adopt the fifth facade design and to adopt the full stereo surround display. The lighting designer of the project is Beijing Thinda Diantong Technology Development Co., Ltd., the construction party is Shandong Tsinghua Kangli Urban Lighting Research and Design Institute Co., Ltd., and all pixel lights of the project are exclusively provided by Shenzhen EXC-LED Technology Co., Ltd. The light show takes Magnolia denudate, the city flower of Shanghai as carrier to vividly illustrate Shanghai's distinctive character of "openness, innovation and tolerance" and praises its spirit of "embracing diversity, pursuing excellence and being enlightened, wise, modest and gracious"; it perfectly combines grand themes with urban history, culture, society and economic development, creating new artistic conception presented by urban construction media. The light show will continue to bloom during China International Import Expo to add brilliance to the beautiful night in Shanghai and create strong atmosphere for the expo.





Prefecture-level city

Nightscape improvement in Ordos

Nightscape lighting project in Hulun Buir downtown

Nightscape lighting project in Zhangjiajie downtown

Nightscape lighting project in Baoding downtown

Fuhe River and Banks Project in Fuzhou

Nightscape lighting project in Korla

“Ten-mile Riverside” Nightscape Lighting Project in Wuhu

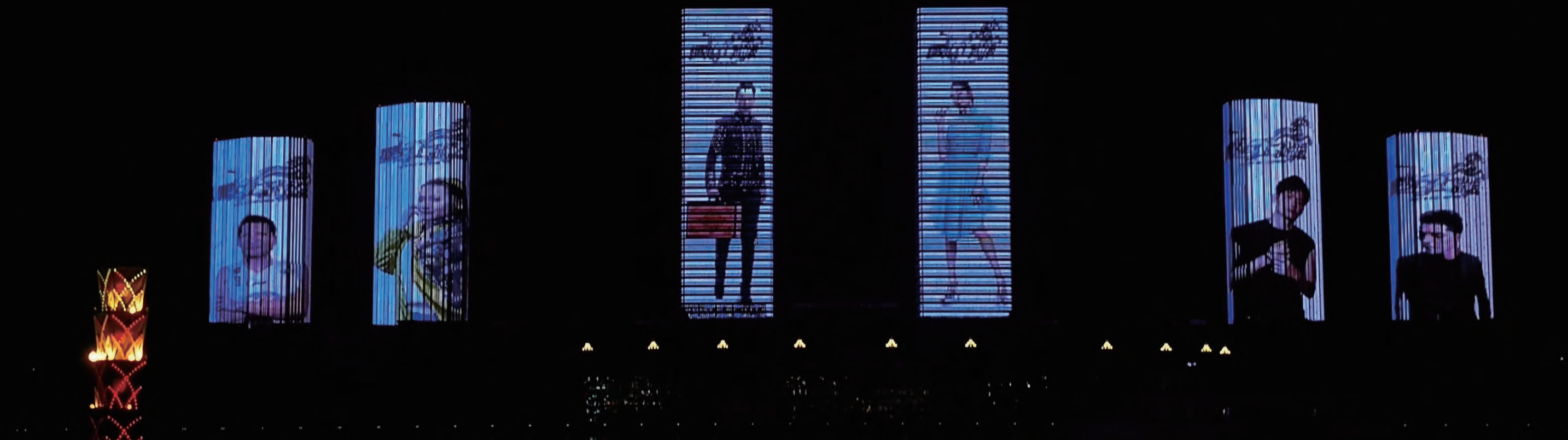
Linkage lighting project of bank buildings in Heihe

Nightscape lighting in Zibo New District

North China's palace – brilliant Ordos

——Nightscape improvement in Ordos

Use lights to tell the splendid history and nightscape to show the functional quality of Ordos. In 2017, in order to celebrate the 70th anniversary of the founding of Inner Mongolia Autonomous Region and welcome the convening of the 13th Conference of the Parties to the *United Nations Convention to Combat Desertification*, Ordos carried out comprehensive nightscape lighting improvement project which was completed by the end of August.



City history

Ordos, which means “numerous palaces” in Mongolian, is one of 18 typical regions of reform and opening up for the past 30 years; it is also an emerging economic city in Inner Mongolia, the central city of city group including Hohhot, Baotou and Ordos, one of the deputy central cities in Inner Mongolia. Splendid Ordos, the palace in north of China!

Project profile

EXC-LED is the major provider of the project's products and systems for the Ordos Nightscape improvement project, which is divided into three districts: Kangbashi, Ejin Horo Banner and Dongsheng. The project has used nearly 1.4 million pixel lights of various types (including 650,000 EXC-P52AS pixel lights, 600,000 EXC-P42GP pixel lights, 40,000 customized EXC-P20S pixel lights and tens of thousands of other pixel lights), 150,000 sets of linear light and EXC-LED light control system. The nightscape improvement project beautifies Ordos, polishes its business card of “tourist city” and comprehensively upgrades the grade of “golden tourist belt”.

Distribution of districts

Kangbashi is the core district of this nightscape improvement project which has used 1.2 million EXC-LED pixel lights of various types, in which Ordos Party School, News Center, Finance Bureau, Museum, Art Center, Grand Theater, Yitai CEO, Jinchen International and No.4 Bridge in New District used totally 600,000 EXC-P42GP pixel lights; 6 buildings in Guotai Business Plaza used 450,000 EXC-P52AS pixel lights; Ordos Library used 40,000 customized EXC-P20S pixel lights. The whole district is equipped with EXC-LED light control system.

Dongsheng District has used 150,000 sets of EXC-U20L linear lights, in which 6 buildings in Yili City, Wanzheng Investment Group and Wanbo Plaza adopts GPS linkage system; Xinlong Business Hotel, Taiyu Group, Taiyu Hotel, Zhongyu Group, Tieniu International Hotel, Yonggui Center, Xinhua Insurance, Kaiyuan Square, Xincheng Square, Wenlan Hotel, Meimei Hotel, Wanzheng Block C, Wanzheng Block B and Fangyuan Mansion adopts 4G wireless linkage system; Agricultural Commercial Bank, Xintong Block C, Reide Group Block A and Block B, Shida Fortune, Juli Mansion, Hengli International, Gengtai Hotel, Bank of Communications, Xi Jianxiang and Wan Hengyuan adopt single lighting scheme.

Ejin Horo Banner has used more than 200,000 EXC-P52As pixel lights. This district includes 3 buildings in Ulan Apartments, Ulan Hotel, 2 buildings of Industry and Trade Mansion, 2 buildings in Huneng Square, 4 buildings in Haojing Homes, Tianlong Mansion, Chuangye Mansion, 6 buildings in Wanjia Yuyuan and 2 buildings in Haida.

Project impact

The nightscape improvement project in Ordos not only opens a window for tourists to understand and experience Ordos, the grassland pearl, but also makes contribution to the 13th Conference of the Parties to the *United Nations Convention to Combat Desertification*; it has important practical significance and social benefits to the city construction and development of culture and tourism business.



Nightscape lighting in Hulun Buir downtown

Time of completion: October 2017

Product: EXC-P33S pixel light (280,000 pcs), EXC-P42GP pixel light (200,000 pcs) and EXC-P55GP pixel light (more than 20,000 pcs), EXC-5000 master controller, EXC-2900 slave controller

EXC-LED is the product and system provider of the nightscape improvement project in Hulun Buir. The bidding sections include Longfeng Xintiandi Square, Science and Technology Museum, Hasal Bridge, 2 buildings in Jinduhui, 2 buildings in Taida and Tianjiao Hotel respectively, 2 buildings in Tianjiao Home, 4 buildings in Tianrui Home and 2 buildings in Guomao Garden. With the completion of nightscape improvement project, Hasal Bridge, Central Bridge and Airport Road, etc. along the trunk roads become brighter and more beautiful, which not only facilitate citizens to travel at night but also improve the city's taste.



Lighting in Zhangjiajie downtown

Time of completion: August 2016

Product: EXC-U25B linear light, EXC-B240B flood light, EXC-W45 wall washer light

The 2015-2016 lighting project for Zhangjiajie downtown started the preliminary work in September 2015 and entered the construction phase in May 2016. With 116 sub-projects including 4 bridges, 7 roads and 105 groups of buildings, the people-oriented project focuses on the creation of nightscape of city through lights, emphasizes both banks of Lishui River and selectively focuses on shaping the water system, mountains and greening in the city, so as to fully apply the style of Hunan Province west in Zhangjiajie and form the nightscape of tourist city with unique charm. The project adopts the domestic advanced lighting system integration technology combining sound, electricity and light. According to the principle of combination with static and dynamic and rely mainly on static, it uses warm white 4000k as main color and warm yellow 3000k as color to build large-scale lighting environment integrating mountains, buildings, bridges and water systems and create the atmosphere of delicate, concise, quiet and high-end ecological leisure city nightscape.



Nightscape lighting in Baoding downtown

Time of completion: September 2016, phase I; December 2016, phase II

Product: all lights provided by EXC-LED for this project are special customized products, including more than 50,000 EXC-DGY22BD and EXC-DGY55BD pixel lights, 4,500 EXC-TGD240BD/EXC-TGD270BD projection lights, 750 EXC-XQD172BD/EXC-XQD64BD wall washer lights, 260 EXC-5000WT/EXC-4000W/EXC-3000W/EXC-2900 master controllers and slave controllers

Baoding is a famous historical and cultural city. The nightscape lighting project in Baoding downtown includes the lighting of buildings and bridges on both sides of the main trunk roads in downtown; areas which can reflect Baoding's history, culture and development as well as its characteristic buildings and surrounding scenic spots; areas with value and space of nightscape creation, such as Dajidian Village and surrounding area; important nodes with nightscape lighting value and significance in urban area, include universities, parks, bridges and buildings, etc. The nightscape lighting project in Baoding downtown is an important project that people hope to improve their living environment, enhance the image and show the great style of Baoding.



Fuhe River and Banks Project in Fuzhou

Time of completion: September 2016

Product: EXC-P55AS pixel light (120,000 pcs)

The light show project on banks of Fuhe river is located on both banks of Fuhe river with total length of about 8.5km. The construction content includes the Donglin bridge, Fuhe Bridge, Wenchang Bridge, Gandong Bridge, Nixian Platform, Qianjinbei, high-rise building along river and several wetland parks on both banks of the river to form the city's tourism business card of "Ten-mile night tourist route on Fuhe". Fuhe Night tourist takes "culture as soul", which means focusing on elements with cultural value and displaying the essence of Fuzhou culture through the sound and light of light show and media technology. The overall effect is controlled through the nightscape construction of waterfront interface from the viewpoint of pleasure boat and considers the viewpoint of street and riverside green space at the same time. EXC-LED provides 120,000 EXC-P55AS pixel lights for Fuhe Bridge and all control systems of variable lights on the whole project site are provided by EXC-LED as well.



Nightscape lighting in Korla

Time of completion: September 2019

Product: EXC-P33GP pixel light (73,560 pcs), EXC-P43AP pixel light (18,736 pcs)

To greet the Mid-autumn Festival and celebrate the 70th anniversary of the founding of the People's Republic of China, the Park and Forest Bureau of Korla Development Zone upgraded and improved the nodes and night lighting in the core area of the development zone to optimize the greening space and comprehensively upgrade urban nightscape. The scale of project includes the construction of bridge body, 2 buildings in Happy Coast, 5 buildings of Hengyou Mansion along the river, 4 node parks, sculptures, turntables and green belts of 27km two-way street.



“Ten-mile Riverside” Nightscape Lighting Project in Wuhu

Time of completion: November, 2019

Product: EXC-B265B flood light, EXC-W42B wall washer light, EXC-U28NC linear light

The 10.4-kilometer-long “Ten-mile Riverside” covers a total area of 8.12 square kilometers. With the design orientation of “an amazing Jiujiang District, an energetic Jinghu District, a stylish Yijiang District, and an eco-leisure Sanshan District, this nightscape lighting project conducted the artistic transformation and improvement for the “Ten-mile Riverside” in Wuhu, adopting both historical-cultural and high-tech elements to highlight Wuhu’s natural and cultural accumulation, splendid beauty in history and culture, and charm in innovative development. In this project, the B265B flood lights, W42B wall washer lights, and U28NC linear lights provided by EXC have lighted up the “Ten-mile Riverside” landscape belt and showcased Wuhu’s charm for night tours!



Linkage lighting of bank buildings in Heihe

Time of completion: September 2019
 Product: EXC-P42GP pixel light (150,000 pcs) and EXC-P35AP pixel light (100,000 pcs)

Heihe's 2019 Urban Lighting Project has entered the commissioning phase and is expected to complete the commissioning by the end of September to present the 70th anniversary of the founding of the People's Republic of China. Many high-rise outdoor lights in Heilongjiang Park in the riverside area in Heshi District will be turned on at the same time, sometimes individually and sometimes uniformly, showing the overall linkage picture, such as "I Love You, China", "Heihe Welcomes You" and other huge dazzling pictures will become beautiful cultural landscape of the beautiful border city.

Nightscape lighting in Zibo New District

Time of completion: May 2019
 Product: EXC-P35AP2 pixel light (200,000 pcs), EXC-W35C wall washer light, EXC-U22NR linear light

There are many highlights in Zibo New District and new plans have been developed for the construction of core area, lighting project, projects invested by government and industrial layout, in which 5 schools, 230m super high-rise buildings and urban nightscape provide more functions to the New District and make the city more beautiful. Passing through the five major centers of Zibo New District at night, people will certainly be amazed by the domineering light show here. Wandering in the quiet and romantic sea of lights emitting unique humanistic temperament, as if the whole Zibo is lightened by these dreamy and beautiful lights.



Landmark building

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100

Shenzhen Ping An Finance Center
Shenzhen Sea World Merchants Plaza
Tianjin Mao Ye Building
Shenzhen Hon Kwok Building
Zhengzhou Greenland Center·Qianxi Plaza
Xi'an Greenland Center
Guiyang Hunter International Financial Center
Gansu Electric Power Building
Chongqing World Financial Centre
Ningbo Fortune Center
People's Daily Mansion



Shenzhen Ping An Finance Center

Time of completion: June 2018
 Product: EXC-P28T pixel light (200,000 pcs)

Shenzhen’s new highest building, 118 floors and 600 meter high, Ping An Financial Center, is located at Futian District. The nightscape lighting design of the building makes it a dazzling landmark in Shenzhen’s skyline. By using the halo lighting effect, the whole building is enriched with lights to achieve the nightscape of “seeing the light but not seeing the lamps”; the down and up LED lights converging together highlights the simplicity and sprightliness of building and emphasizes the height of building. Display the light level of the facade of Ping An Financial Center and reduce light pollution to the surrounding environment by taking into account the different visual effects from far and near, enriching the façade and refining the different sides of building. The projection direction of lights and vertical curtain wall glass are hidden as far as possible to ensure sufficient light brightness; overlapping lights improve overall lighting environment quality and enable people to work efficiently in a comfortable, warm and quality light environment.

Shenzhen Sea World Merchants Plaza

Time of completion: April 2018
 Product: EXC-D30F linear light (more than 30,000 pcs)

Located at the core area of Shenzhen International Binhai New City, the Merchants Plaza is the only complex building with 360-degree mountain and sea scenery in Shenzhen. The office tower is all-glass slightly inclined curtain wall structure with design of horizontal glass louvers; from lines to lights, the design fully absorbs the jumping and fluidity of water and establishes the first impression that the whole building is elegant but not lacking flexibility. The project used more than 30,000 sets of EXC-D30F linear lights, RGB+W, color temperature of 5,000 K, opalescent flat lightshade and profile installation.



Tianjin Mao Ye Building

Time of completion: August 2017

Product: EXC-P52GP pixel light (nearly 120,000 pcs)

Tianjin Mao Ye Building is adjacent to Century Clock Square in Hebei District in the east, Haihe East Road in the south and Jiefang Bridge in the south-east. As the key project of building economy in Hebei district, it is supported by the district party committee and government with relevant policies and planned to gradually guide large finance and coal enterprises to settle in, so as to form a gathering place for key enterprises in finance and energy industries in Hebei District. As the landmark commercial building in Hebei District, 51-story Mao Ye Building is like a magnificent and bright picture scroll with the assistance of EXC-LED products.



Shenzhen Hon Kwok Building

Time of completion: beginning of 2017

Product: EXC-P20S customized pixel light (more than 250,000 pcs), control system

Shenzhen Hon Kwok Building is the headquarters building built by Hon Kwok Land in the mainland. Located at Shennan Middle Road and with floor area of 7,844.9m², total height of 330m and 75 floors, it is a brand-new super-high landmark office building beside Shennan Avenue. With the help of EXC-LED in nightscape lighting, Shenzhen Hon Kwok Building stands in the most dynamic central district of Shenzhen and becomes the commercial legend benchmark in Guangdong-Hong Kong-Macao Greater Bay Area by virtue of its simple, bright, transparent, light, elegant and straight style.



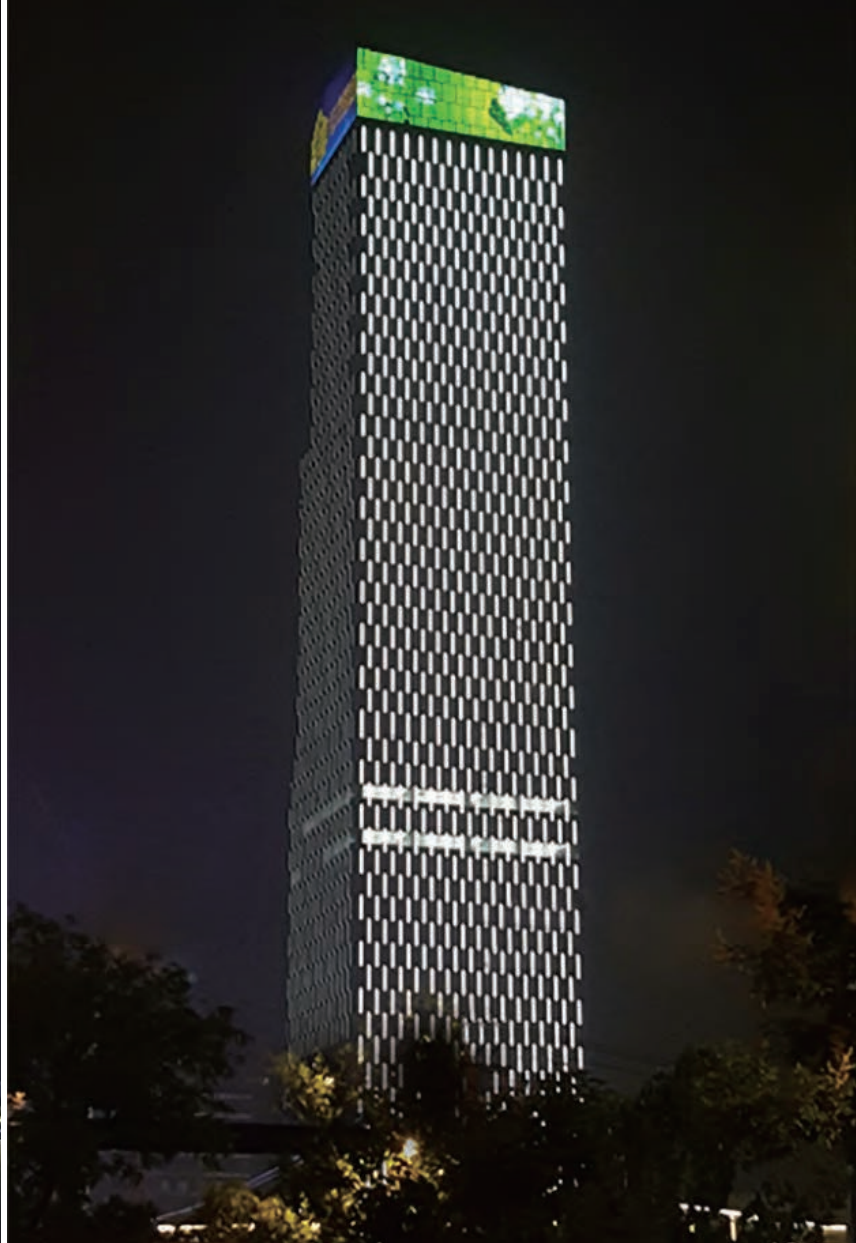


Zhengzhou Greenland Center-Qianxi Plaza

Time of completion: September 2019

Product: EXC-P53AP pixel light (nearly 240,000 pcs)

280m-high Qianxi Square stands in the double core of Zhengdong CBD as the highest building in central China, which renews the record of Zhengzhou's building height again. The design was inspired by the Songyue Temple Pagoda, the existing oldest brick pagoda in China, in Songshan Mountain, Henan Province. It incorporates the beautiful implication of bamboo in Chinese traditional culture, hoping to reflect the vitality and spirit of Zhengdong New District. The facade of Qianxi Square adopts 240,000 EXC-LED's EXC-P53AP pixel lights, in which each one consists of a chip containing red, green, blue, white and other colors. Under the control of background software programming, it can present very creative and beautiful light show. Like dragon flying in sky with full of happiness, the lights shine all over Zhengzhou New District; a lucky city is rising up in the Central Plains and lucky light is shining brightly in a new era, this is the most magnificent nightscape of the city.



Xi'an Greenland Center

Time of completion: October 2016

Product: EXC-P52S pixel light (40,000 pcs), customized EXC-U28B linear light (20,000m), high-power full-color wall washer light (1,000m)

The Xi'an Greenland Center is a 270m twin tower and the highest office building in Xi'an with floor area of 170,000m², 3 floors underground and 57 floors above the ground, in which the 3rd floor to 2nd floor underground are parking spaces, the 1st underground to 4th floor above the ground are high-end shopping centers including luxury brand flagship stores, high-grade department stores and large supermarkets, the 5th to 57th floors above the ground are office buildings and the 31st floor is air lobby. The office buildings are equipped with 24 high-speed lifts, a large number of exclusive parking spaces and share nearly 30,000 parking spaces in the Greenland Central Square.



Guiyang Hunter International Financial Center

Time of completion: October 2016

Product: EXC-P85AS pixel light, EXC-W30R wall washer light

With height of 260m and total 56 floors, Guiyang Hunter International Financial Center is the platinum business building in the center area with absolute advantages and top landmark of Guiyang's urban center. With 500-year-old symbol of the city – Jiaxiu Building in Ming Dynasty in the south, two ancient and modern city landmarks are opposite to each other nowadays; meanwhile, Wenchang Pavilion with same history occupies the place with top geomantic omen by one building and one pavilion in the city. After the lights have been turned on, the magnificence and straightness of building are highlighted by the lights.



Gansu Electric Power Building

Time of completion: September 2011

Product: XC-P85AS/EXC-P52S pixel light

Gansu Electric Power Building is located at Yanchangbao, Chengguan District, Lanzhou, west of Yantan Bridge and north of North Binhe Road. Covering an area of 40 mu, with a floor area of about 89,48m² and total height of 188.7m, it is the highest building in Gansu and landmark building on Lanzhou-Yellow River Custom Tourist Route. The facade of building uses 5200 EXC-LED's EXC-P85AS pixel lights and the roof uses a circular lattice LED screen, which adopts 48000 EXC-LED's EXC-P52S pixel lights. After the lights have been turned on, the building not only has rich nightscape lighting effect, but also can increase advertising revenue, thus fully applying lighting to commerce. The project was completed in September 2011.



Ningbo Fortune Center

Time of completion: December 2013

Product: EXC-P42YS pixel light (120,000 pcs)

Ningbo Fortune Center is located in Ningbo, Zhejiang Province. As the key project of “Improving Development in Downtown” strategy and key construction project of in Ningbo, Ningbo Fortune Center Project has total land area of about 25,000m² and building height of 188m; it is currently the largest single building with the highest building height in Sanjiangkou complex in Ningbo. This project uses EXC-LED’s pixel lights, 6 pieces of 5050 patching RGB light beads, 1.8W, installed by steel wires, which cause no damage to external wall structure. It is Ningbo’s unique lighting classic after the lights have turned on.



Chongqing World Financial Centre

Time of completion: June 2016

Product: EXC-P30F pixel light (20,000 pcs)

Chongqing World Financial Centre, located at the center of Jiefangbei Central Business District in Chongqing, China, is the tallest building in Chongqing and western region. The total floor area of the project is about 204,700m² and the building height is 339m; it covers three major commercial activities including global shopping center, British royal personal customized hotel and international super-grade A office building. As Chongqing’s new landmark, it becomes world-class skyscraper and a true “Chongqing blueprint for national landmarks” with the help of EXC-LED. Setting off by the lights, Chongqing World Financial Centre gives off dazzling, gentle and gorgeous radiance. This is Chongqing’s “legendary luminous pearl”!

People’s Daily Building

Time of completion: November 2014

Product: EXC-W45 wall washer light (13,000 pcs)

Located at Jintai West Road, Chaoyang District, Beijing, People’s Daily Building is the headquarters of China’s highest-level paper media. The shape of building is circular with the tower height of 150m. The main building uses EXC-LED EXC-W45 wall washer light, 18*1W RGB light beads and 10*65° stretch lenses. The annex building adopts EXC-W45 wall washer light, 12*1.5W RGB three-in-one light beads and 30° luminous angle. The installation density of lights in the whole project is distributed gradually from the low floor to high floor and then to top. Through two kinds of different light sources and projection angles, the entire facade and hollowed-out parts are bright to realize the multi-mode change effect and “firmness” of the building itself.





Commercial complex

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- Bangjie Plaza in Yiwu

HP Plaza in Shangyu

Zhengzhou Juwai·Tag Mall Complex

Suqian Financial Fortune Plaza

Dalian Hang Lung Plaza

Chongqing Mao Ye Department Store

Shenyang Olympic Wanda Plaza

Wuxi Outlest

Tongliang Longcheng Paradise Walk, Chongqing



Bangjie Plaza in Yiwu

Time of completion: August 2019
Product: nearly 200,000 EXC-P35AP6 and EXC-P22AP pixel lights

Suxi Town located in the northeast of Yiwu City, the world's capital of small commodities, is where Yiwu Industrial Park stands and is also a central town and sub-center of Yiwu. The building of “Suxi Sleepless Town” benefits from the Light Source Technology Town under construction here. The nightscape renovation for Bangjie Plaza located in Suxi Town is part of this project. Nearly 200,000 EXC-P35AP6 and EXC-P22AP pixel lights provided by EXC give out colors with alternating warm and cold hues, forming a beautiful summer night landscape in central Zhejiang. More importantly, this nightscape renovation project has enhanced the town's attractiveness, activated its vitality, and driven the industrial development of the night economy.



HP Plaza in Shangyu

Time of completion: May 2019
Product: 200,000 EXC-P35AP pixel lights

As a large number of brand new developers settled at the E-games Town of the Riverside New District in the west of Shangyu, HP Plaza and other projects were completed and put into operation. The 125-meter-high HP Plaza located at the 25th plot of the Riverside New District is the landmark building of the Riverside New District. 200,000 EXC-P35AP pixel lights were used for this nightscape lighting project. Along with the international creative expo and exhibition center set up for animation industry here, HP Plaza is planned to attract the settlement of 30 to 50 animation companies and develop into a global software outsourcing service research institute and outsourcing service talent training base in 4 years.



Zhengzhou Juwai · Tag Mall Complex

Time of completion: March 2019
 Product: EXC-P52S pixel light

Located on the central island of Longzi Lake in Zhengdong New District, Zhengzhou, the nightscape lighting project of Zhengzhou Juwai · Tag Mall Complex covers an area of 10,000m² and its total floor area is 90,000m². Oriented as vertical ecological commercial entity, it breaks through the boundary between business and commerce through double atrium corridor and becomes typical project of new commerce in contemporary China. The project is inspired by “lotus in lake” and uses lotus shape to tailor each transparent facade light. From the viewpoint of overall effect, the light shows the gentle and light features with soft and graceful curves and crystal-clear building. It won the first prize of Zhu Rong Prize for outdoor lighting in Beijing competition area, 2019.



Suqian Financial Fortune Plaza

Time of completion: July 25, 2017
 Product: EXC-P42Y pixel light (111,000 pcs), RGBW full color, 6*1.8W

Suqian Financial Fortune Plaza is located at Liupanshan Road, Suyu District, Suqian with floor area of 500,000m². The animation effect of light linkage is presented by using EXC-P42Y pixel light to brighten the building surface.



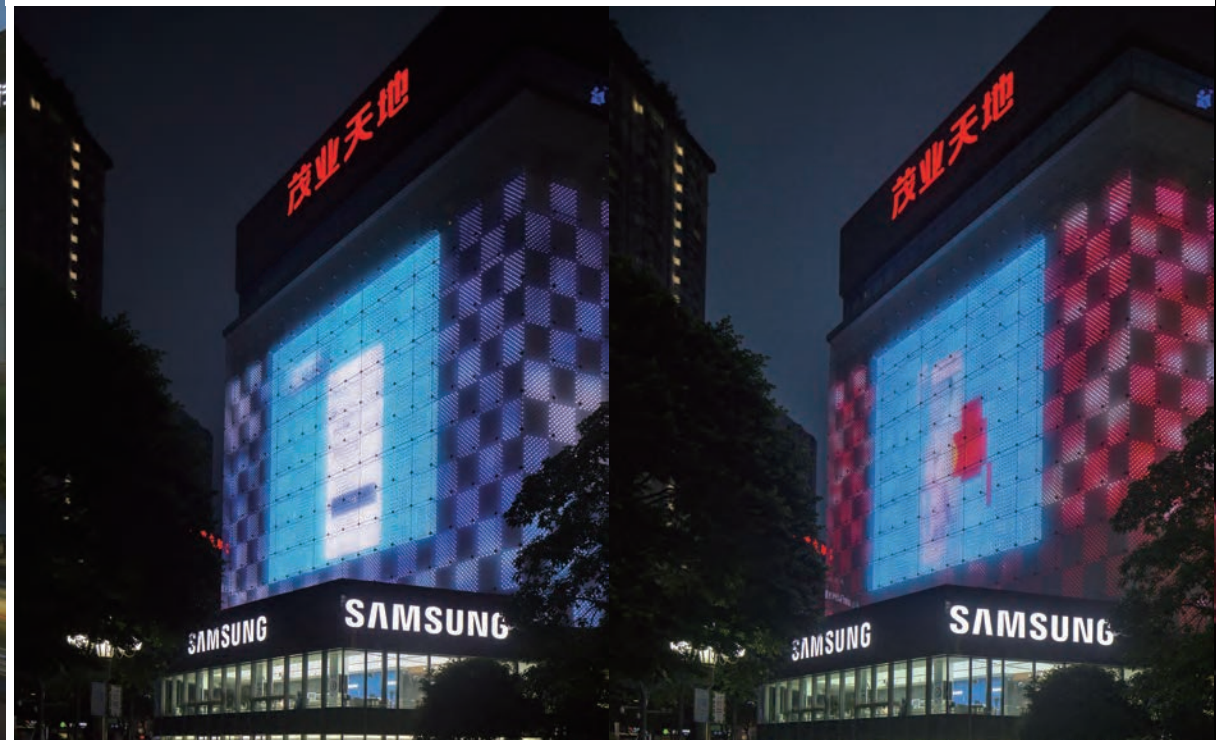
Dalian Hang Lung Plaza

Time of completion: May 2015

Product: EXC-U28 linear light (power: 12W, RGB full color, DMX512 control, 8 pcs per 1m, total length: 5,100m; power: 6W, RGB full color, DMX512 control, 4 pcs per 0.5m, total length: 2,700m)

Dalian Hang Lung Plaza is located at Dalian People's Stadium. After the stadium has been relocated, the original site was cleared and levelled. With floor area of 230,000m² and total investment of RMB 4.5 billion, it is a commercial complex integrating shopping, leisure and entertainment and the largest single commercial project in northeast China.





Chongqing Mao Ye Department Store

Time of completion: May 2015

Product: EXC-P33S pixel light (70,000 pcs)

With total investment of more than RMB 400 million, Chongqing Mao Ye Department Store is a podium shopping mall including 72,000m² apartments and 10 operating floors with area of 80,000m²; it is also a comprehensive department store with the largest operating area, largest number of operating floors and richest variety of commodities in Chongqing and even in the southwest. The lighting scheme for overall light environment is based on high starting point and high standard; the lighting design takes into account both functionality and decoration; the lights does not affect the appearance during the day and, after the lights have been turned on at night, the whole building is a super large LED screen, catering to the mainstream consumer groups and providing dynamic, flexible and controllable lighting to attract customers.



Shenyang Olympic Wanda Plaza

Time of completion: April 2013

Product: EXC-P38AS pixel light (150,000 pcs)

Shenyang Olympic Sports Wanda Plaza is located at the south of Olympic Sports Center in Hunnan New District. The project with total land area of 70,000m² and total floor area of 563,200m² is composed of hotels, shopping centers, office buildings, residences, commercial streets and business hotels. It is a third generation urban complex integrating shopping, catering, culture, entertainment, commerce and leisure functions together. It not only provides people with “one-stop” consumption convenience but also greatly boosts the regional business status.



Outlets in Wuxi

Time of completion: October 2012
Product: EXC-W64 wall washer light (6,000 pcs)

The Outlets Shopping Plaza in Wuxi, located in Wuxi New District next to the Shanghai-Nanjing Expressway, covering an area of 286 mu, is a new commercial landmark in the Suzhou-Wuxi-Changzhou region. The main stores at this plaza lie along both sides of the river, diving this project into two areas. In Area A to the west of the river, the ancient Roman elements are used to create a Roman-style space and holiday plaza. In Area B to the east of the river, the excellent cultural elements of the ancient Tuscan city are applied. The lighting of LED lights and colorful gradients make the whole plaza lively with a climactic commercial atmosphere.

Tongliang Longcheng Paradise Walk, Chongqing

Time of completion: December 2018
Product: EXC-P35AP1 pixel light, flood light, wall washer light, linear light and other series of outdoor lighting products (nearly 400,000 pcs)

The nightscape lighting project in Tongliang Longcheng Paradise Walk, Chongqing takes “dragon dance shining China, dream spreading to the world” as its design theme; EXC-LED provided the project with nearly 400,000 EXC-P35AP1 pixel lights and a series of outdoor lighting products such as flood lights, wall washer lights and linear lights, etc. The decorative lighting and exterior wall lighting of surrounding buildings in Longcheng Paradise Walk are built in a unified way with reference to the nightscape project in Chongqing Jiangbeizui. The project nodes covered the building lighting projects such as Longdu Fortune Center, Qianneng Business City, Yidong Mansion, Finance Building, Three Gorges Bank and Renshe Building, etc., which help to drive the business district in Longcheng Paradise Walk to quickly increase popularity, form business atmosphere, gather financial atmosphere, promote rapid development of business and tourism integration and create a featured business and tourism district based on Tongliang, radiating west of Chongqing and attracting major cities.



Attractive venues

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- National Indoor Stadium
- Lianyungang Grand Theatre
- Gansu Gymnasium
- Zunyi Olympic Sports Center, Guizhou
- Anshun Olympic Sports Center, Guizhou
- Baoji Swimming and Diving Hall
- Nanjing Youth Olympic Stadium
- Jianyang Urban Layout Hall



National Indoor Stadium

Time of completion: March 2019
Product: EXC-P53AP pixel light, EXC-W30A, EXC-W80C wall washer light, EXC-U20NA linear light, EXC-6000P master controller, EXC-2905-E4P007B slave controller

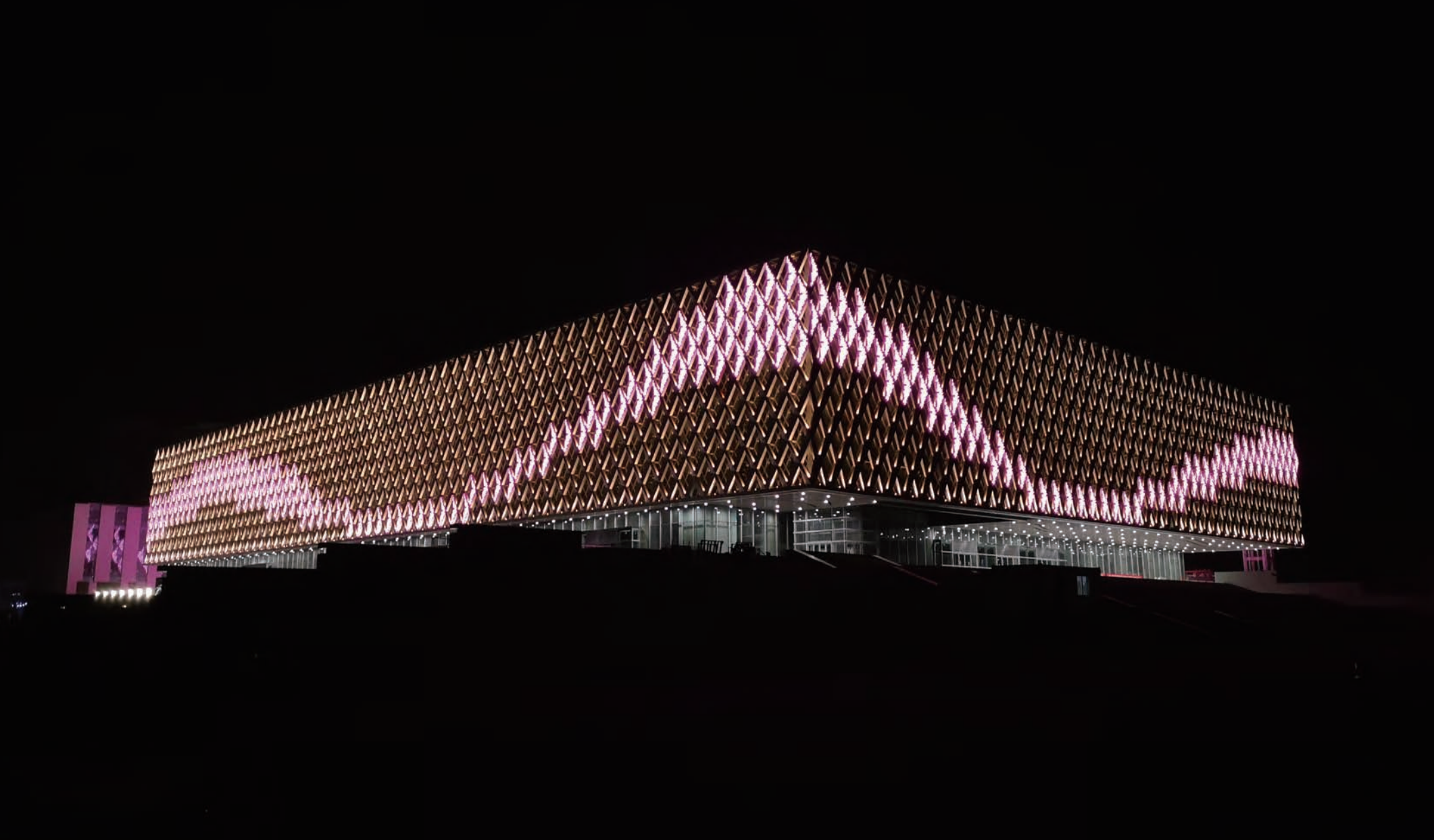
As the ice sports venue for 2022 Beijing Winter Olympic, the overall nightscape renovation project for National Indoor Stadium started before the end of 2018. EXC-LED provides all-round nightscape lighting products for the stadium, uses magic dancing light and shadow to endow the building with modernity and fashion sense, displays the unique and magnificent picture scroll of the building and form a gorgeous nightscape. The project breaks through the traditional lighting way of pixel light, pursues the texture of light, uses the structures on both sides of building as support, raises the lights by 600mm and adopts double-sided lighting, in which one side is for shining roof and the other side is for dynamic change of light points to form 3D visual effect, which shows the richness and vitality of culture and sports as well as the diversity of future cities.



Lianyungang Grand Theatre

Time of completion: November 2018
Product: EXC-P33 RGB pixel light (more than 300,000)

With about 100,000m² floor area and total investment of about RMB 1 billion, the Cultural Activities Center of New World Culture City in Xinhai New District, Lianyungang is also the Haizhou people's long-awaited nightscape lighting project of "Jiangsu Lianyungang Grand Theater". The project was created with the help of EXC-LED's products and completed in November 2018. With the first performance started on January 3, 2019, it becomes new nightscape landmark in Lianyungang. The project used more than 300,000 EXC-LED's EXC-P33 RGB pixel lights in total to present the culture of *Journey to the West*, marine culture and magnolia culture in the form of animation, which not only beautifies the night sky of city, but also achieves the effects of publicizing Lianyungang and embodying Lianyungang culture. The lights show the characteristics and charming scene of the port city and promote the development of modern service industries such as night tourism, leisure and entertainment.



Gansu Gymnasium

Time of completion: October 2018

Product: EXC-P33S pixel light, EXC-W24, EXC-W64B wall washer light

Gansu Gymnasium, located at Vocational Education Park in Lanzhou New District, has a total floor area of 51796.06m² and investment of about RMB 750 million. It has a competition hall and a training hall, in which the competition hall has floor area of 42984 m² and 4 floors with about 10050 seats. The training hall has a floor area of 8813m² and 3 floors, mainly for office and training. Gansu Provincial Gymnasium, the largest and most technical indoor stadium in Gansu Province, which was provided with EXC-P33S, EXC-W24, EXC-W64B and other lighting products by EXC-LED, becomes new landmark shining at night in Gansu Province!



Zunyi Olympic Sports Center, Guizhou

Time of completion: October 2017

Product: EXC-W80 wall washer light (3,000 pcs), EXC-W24 wall washer light (4,000 pcs), EXC-U22NC linear light (3,000 pcs), EXC-P130X pixel light (2,500 pcs)

As the venue of the 10th Guizhou Games in 2018, Zunyi Olympic Sports Center has a total land area of 410,000m², a floor area of 144,000m² and investment of RMB 1.64 billion. It consists of four large single buildings including stadium, gymnasium, swimming pool and training hall. EXC-LED assists Zunyi Olympic Sports Center in the lighting project and the bidding section includes the gymnasium, swimming pool, training hall and stadium.



Anshun Olympic Sports Center, Guizhou

Time of completion: September 2016
Product: customized EXC-P41S pixel light (60,000 pcs), EXC-6000 computer master controller, EXC-5000D wireless joint controller, EXC-U30C linear light (3,000m)

Located at the important section of Anshun New District, Anshun Olympic Sports Center is the new business card showing the achievements of Anshun’s urban development. The center is divided into a stadium, a gymnasium and a natatorium. The plan is to build “one stadium and two gymnasiums”. The project applies RGBW technology with white light as main color, which gives people warm and comfortable feeling, interspersed with colored light as embellishment. In principle, it is based on “quietness” and “elegance” and embellished with “movement” and “noise”, with the element of unification running through it. It combines culture with sport to establish night environment which is easy to be identified and perceived with distinctive features.



Baoji Swimming and Diving Hall

Time of completion: May 2016
Product: EXC-P42YS pixel light (65,000 pcs), EXC-B270 flood light (46 pcs)

Located at the northwest corner of the new campus of Baoji University of Arts and Sciences, Baoji Swimming and Diving Hall, with total investment of RMB 120 million and floor area of 27,450m², is one of the key social public welfare projects to be built during the “12th Five-Year Plan” in the city and “Key Construction Project to Host the 15th Shaanxi Provincial Games”. Through the improvement of nightscape lighting, the project with quiet, dreamy and dazzling colors has the LED display screen integrating politics, culture and tourism promotion, which deeply expresses the warm and elegant architectural beauty from the connotation.

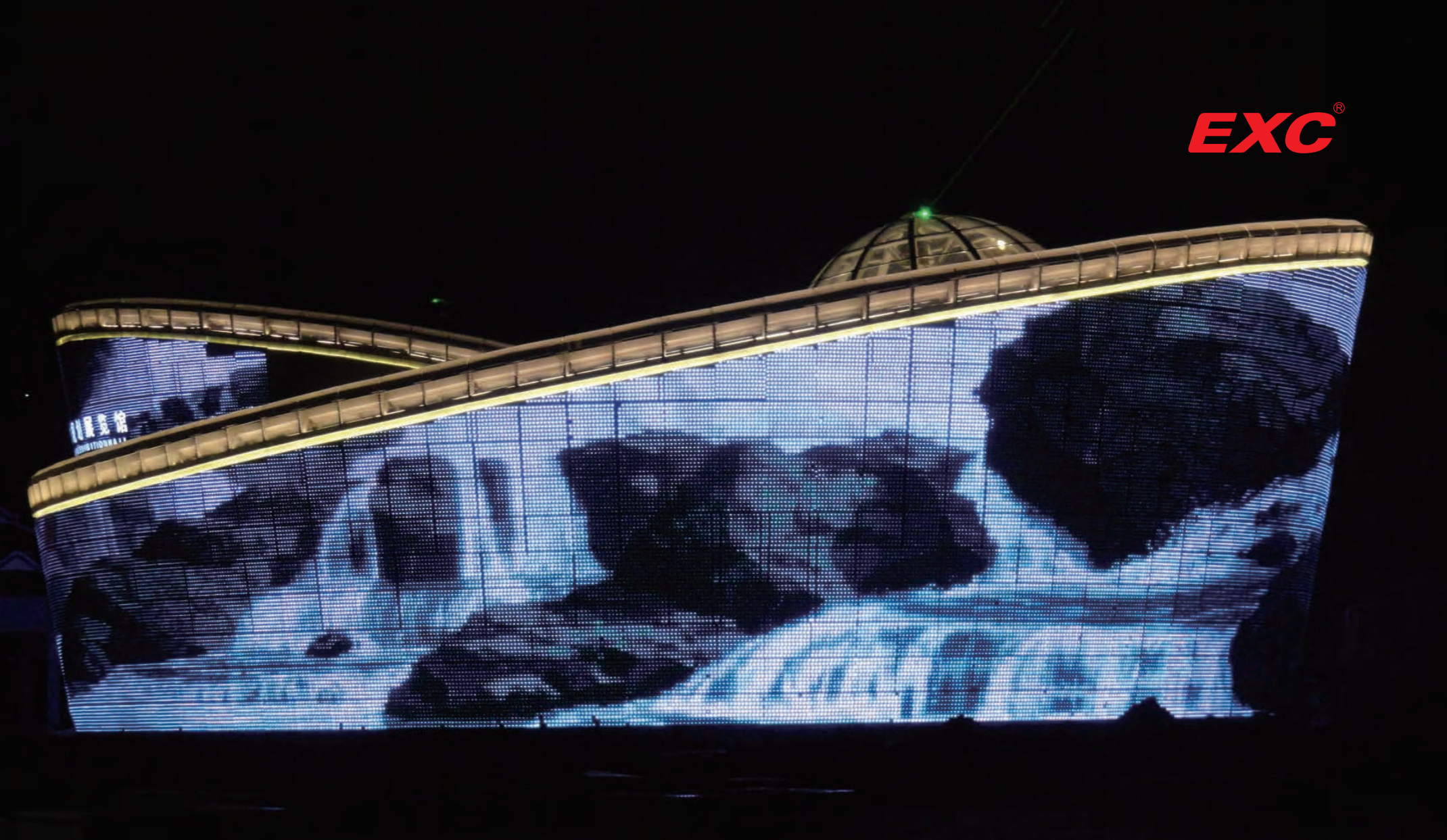


Nanjing Youth Olympic Stadium

Time of completion: August 2014

Product: EXC-SMG floor-embedded light (20,000 pcs)

Nanjing Youth Olympic Sports Park (NYOSP), with total area of 1.016 million square meters, started construction on December 27, 2011 and completed nightscape lighting project on August 1, 2014. The ground plaza of NYOSP uses EXC-LED customized floor-embedded lights, which can be combined into light modules of different sizes by any combination of 100*100mm floor-embedded lights. Light control chip adopts EXC-LED's new generation of DMX512 control technology to achieve animation effects such as light and shade, running and so on, just like pearls inlaid on the square.



Jianyang Urban Layout Hall

Time of completion: October 2012

Product: EXC-P22S pixel light (200,000 pcs)

This project is the first “picture-in-picture” LED display project with intelligent pixel density switchover in China. It adopts EXC-LED pixel light; the pixel pitch of the densest part in the middle is 3cm. This part can directly play News Broadcast, while the pixel pitch in other parts is 10cm. The video display of LED pixel light with two densities can realize independent display respectively and overall display; the intelligent pixel density may be switched over during the process. The embedded buckle installation method is adopted so that the appearance of building is not affected during the day and the building becomes a magnificent giant curtain at night.



Star hotel

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- Yulin Yong Chang International Hotel
- Crowne Plaza Xi'an
- Oriental Landscape – the Sands Hotel, Shaoxing
- Worldhotel Grand Dijing, Zunyi
- Hangzhou Marriott Hotel, Qianjiang
- Crowne Plaza Yibin



Yulin Yong Chang International Hotel

Time of completion: November 2019

Product: EXC-P33/EXC-P85 pixel light (nearly 50,000 pcs), EXC-W42/EXC-W24 wall washer light, EXC-B60/EXC-B330 flood light (1,000 pcs)

Located at the east side of Pearl Square in Yulin Economic Development Zone and in the center of Yulin Economic Development Zone, a newly-built energy and chemical base in Shaanxi Province, Yulin Yong Chang International Hotel has the unique geographical location. It covers an area of 22,261m², with a total floor area of 11,798 m² and consists of the main building, skirt building and apartment building.



Crowne Plaza Xi'an

Time of completion: September 2018

Product: EXC-P40BP pixel light (400,000 pcs) and EXC-W42B full-color wall washer light (800 pcs)

As night falls and lights begin to shine, Crowne Plaza Xi'an, a 228m-high, 52-story skyscraper with pixel lights exclusively supplied by EXC-LED, becomes the new landmark and bright spot for Xi'an's nightscape lighting with the theme of "Dancing Chang'an". The novel and unique lighting design and pleasing creative animation become the most beautiful scenery line in the nightscape of the ancient city, Xi'an, and further highlight the city's new image of "Ancient Charm and Splendid Times". The light show is divided into three parts: "Dancing Chang'an", "Ancient Rhyme in Chang'an" and "Crowne Welcomes You". Director Xi Fangyue, who directed the light show of Shanghai Financial Center, designed and arranged the show in person and tailored it for the building.



Oriental Landscape – the Sands Hotel, Shaoxing

Time of completion: August 2016
Product: EXC-P38AS pixel light

Oriental Landscape – the Sands Hotel in Shaoxing is a super five-star luxury resort hotel invested and built by Shanghai Huachang Group. Located at Ke Yan-Jianhu Tourist Resort in Keqiao District, Shaoxing, it has superior geographical location and convenient transportation. The curved surface of the building is covered with pixel lights, and after lighting, forms vivid “waterfall” scene echoing the theme of hotel through the characteristics of building itself.



Worldhotel Grand Dijing, Zunyi

Time of completion: January 2015
Product: EXC-P42YS pixel light (40,200 pcs)

Worldhotel Grand Dijing in Zunyi is a brand hotel owned by Howard Johnson International Hotel Group. The building outline in this project uses points, lines and surfaces composed of full-color light sources to outline the façade, corners and edges of the hotel.



Hangzhou Marriott Hotel, Qianjiang

Time of completion: May 2016
Product: EXC-G20 Star customized pixel light

Hangzhou Marriott Hotel in Qianjiang New City is located in Hangzhou, known as “paradise on earth” and the central business district of Qianjiang New City CBD. The hotel is close to Hangzhou Grand Theater, Outlets and Citizen Center, just several steps away from shopping center, the MixC. The fashionable and novel design of hotel is infused by local culture and displays unique cultural customs. Besides, the hotel has convenient transportation and is close to subway line 4 and 20-minute drive to Hangzhou East Railway Station.



Crowne Plaza Yibin

Time of completion: December 2014
Product: EXC-W32A wall washer light

Crowne Plaza Yibin is located at No.10, Mulin Road, Cuiping District, Yibin, Sichuan Province, adjacent to Tangren Fortune Center, with a total floor area of 44,069m². The lighting project of building body not only reflects the hotel's high-end and gorgeous style, but also interacts with surrounding buildings and environment, uses light to highlight the wonderful parts of building, gives the lighting of building body more sense of depth, stresses the essence and shows overall image of the building.



Special cultural tourism

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- Xinzhou Ancient Town in Shanxi
- Huanglongxi Ancient Town, Sichuan
- Chibi Ancient City, Hubei
- Western Xia Ancient City, Yinchuan
- Jinkangdao Time Tunnel in Bazhou, Hebei
- Micangshan Tunnel, Bazhong-Shaanxi Expressway
- Tianjin Binhai Cultural Center
- Tower in South District of Shine Hills
- Longfeng Peony Garden in Yangxian County, Hanzhong, Shaanxi
- Fulaishan Park, Yantai
- Xuchang East Railway Station
- Longfeng Square, Taibai Mountain, Shaanxi

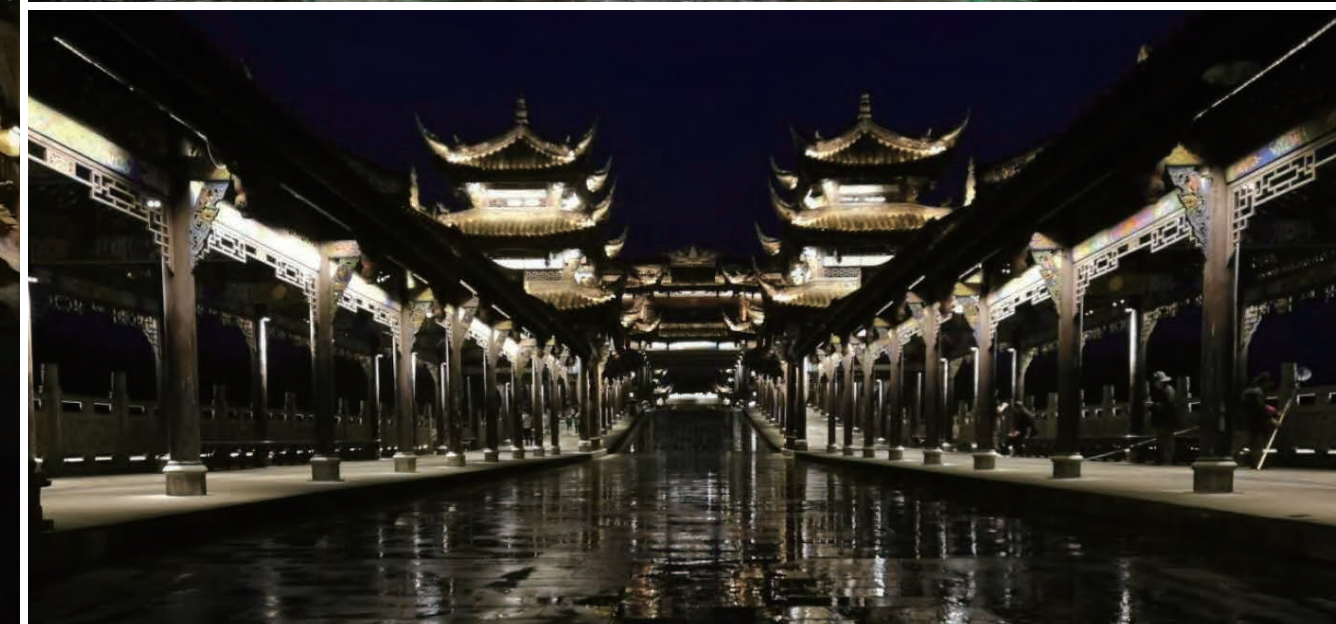
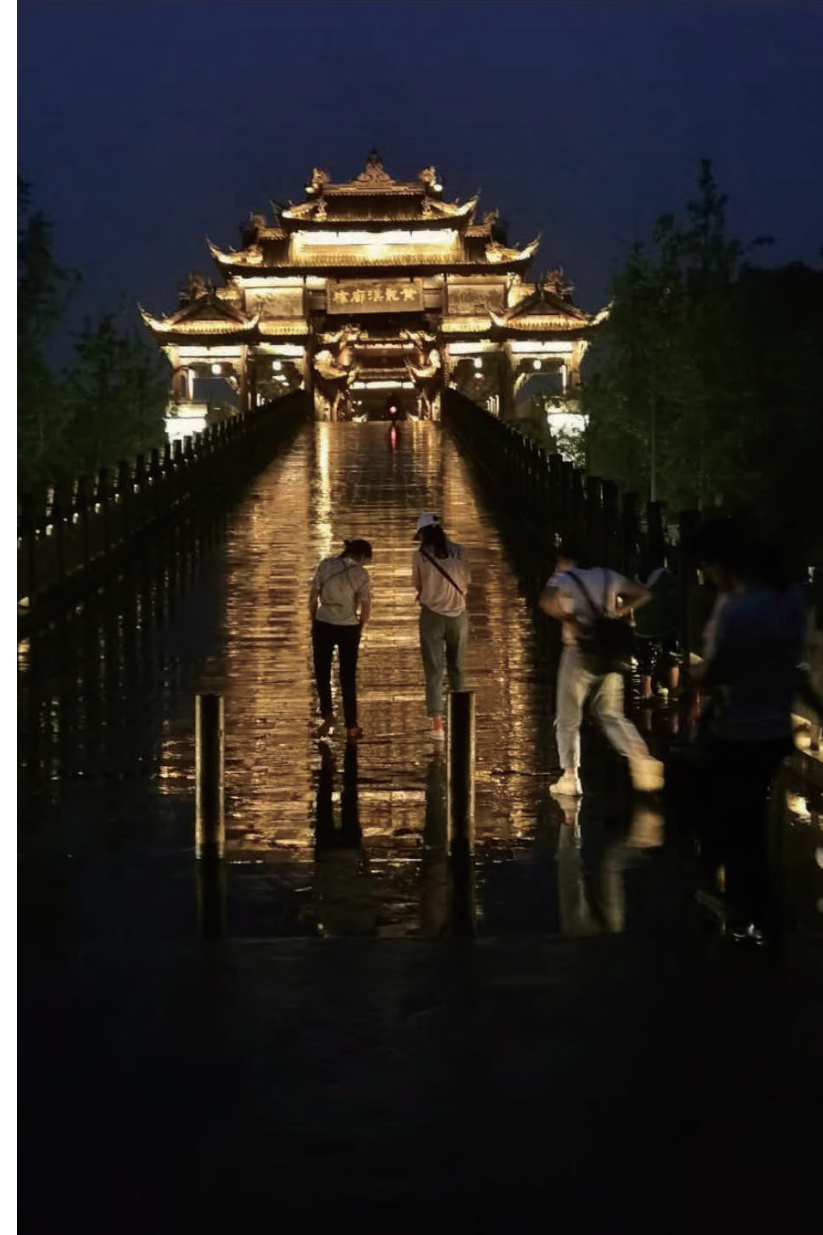


Xinzhou Ancient Town in Shanxi

Time of completion: November 2019

Product: EXC-B65 flood light, EXC-W35 wall washer light

Xinzhou Ancient Town, also known as Xiurong Ancient Town, is located in Xinzhou City, Shanxi Province. Built in the late East Han dynasty, expanded in the Tang and Song dynasties, the ancient town completely took shape in the late Qing dynasty, with a history of over 1800 years. In the ancient town, many ancient temples and buildings remain, like Xiurong Academy, Yishan Temple, Guandi Temple, God of Wealth Temple, Taishan Temple, and other valuable historical and cultural heritages of Xinzhou. To protect and inherit the precious historical and cultural resources, enhance the city's cultural taste, and promote the tourism development, Xinzhou has launched the lighting project to protect and reconstruct the ancient town. When the sun sets at dusk, the ancient town looks so fascinating. In the shades of night lights, the beautiful ancient stage in Xiurong Academy and the charming and imposing ancient walls offer the tourists a different perspective and view to enjoy the beauty of Xinzhou ancient town.



Huanglongxi Ancient Town, Sichuan

Time of completion: June 2018

Product: EXC-WL corrugated light, EXC-B65/EXC-B150/EXC-B240 flood light, EXC-U20H linear light, EXC-W32NC/EXC-W42B/EXC-W55C wall washer light (more than 15,000 pcs); master controller, slave controller

Huanglongxi Town, as a tourism-oriented town with agriculture as its foundation, is a key town in China. It belongs to Shuangliu District, Chengdu, Sichuan Province and has a history of more than 2,100 years. In terms of design details and effects of the project, diversified creativity and rich expression originated in the modern lighting art are introduced, and corrugated lights, flood lights, wall washer lights and linear lights, etc. are used, so as to present extremely oriental poetry and elegance of literature and history. Yellow warm light is used to highlight the long history and sense of times in the ancient town and create comfortable and suitable lighting shapes. Classuality is combined with fashion, and lighting is integrated with ancient buildings, with an aim to present a new, elegant and charming Huanglongxi Ancient Town.



Chibi Ancient City, Hubei

Time of completion: January 2019

Product: EXC-W35C/EXC-W42B/EXC-W64 wall washer light

The project is located at the northwest of Chibi, Hubei Province. Owing to the outdoor lighting, the ancient city wall is magnificent, especially when night falls and the lights are on. The nightscape of the ancient city is very charming. The colorful lights add beauty and magnificence to the ancient city wall and buildings, so that tourists can all better feel the charming and elegant city. In this project, nearly 15,000m EXC-LED wall washer lights are used.

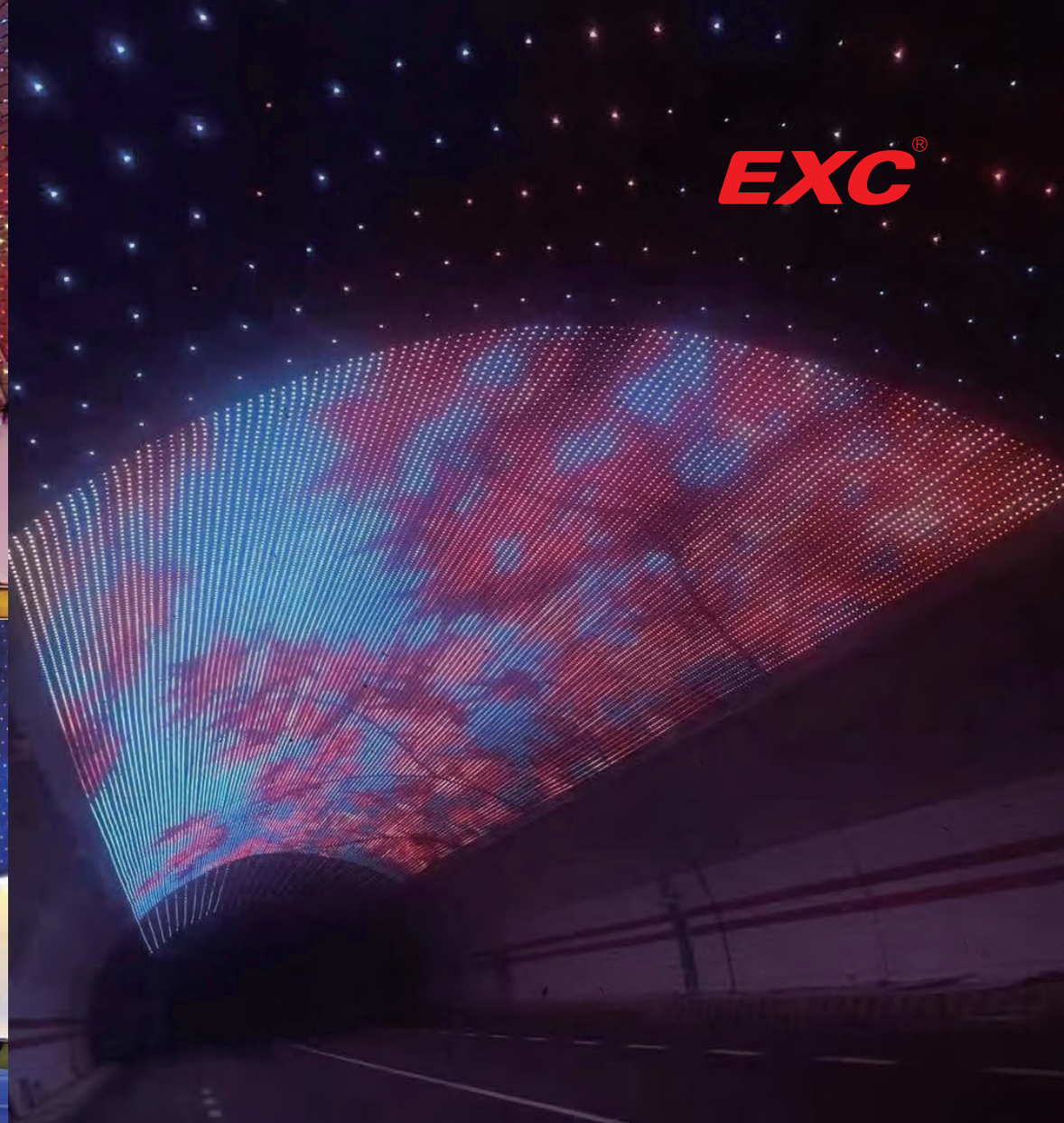
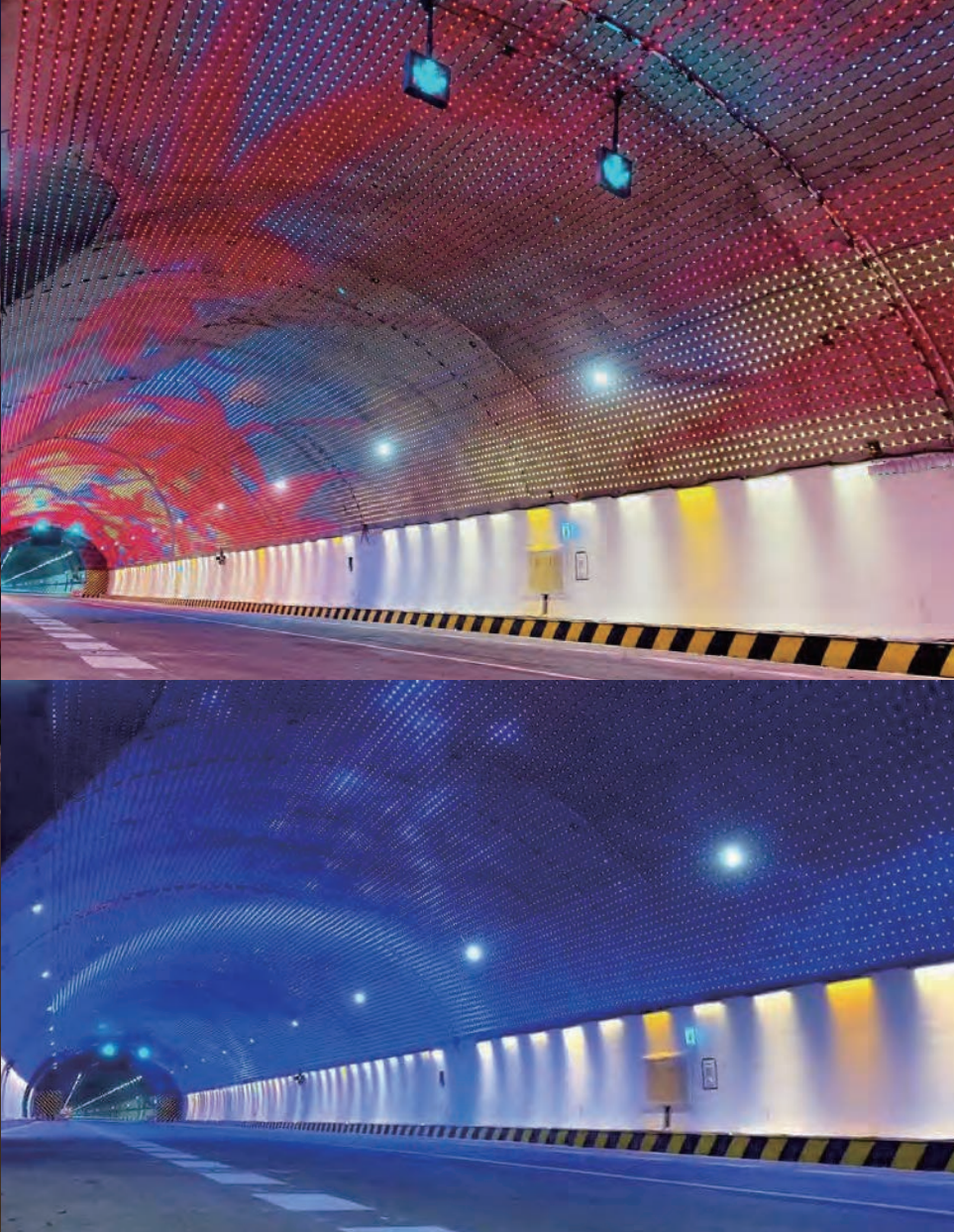


Western Xia Ancient City, Yinchuan

Time of completion: May 2018

Product: EXC-B65/EXC-B80/EXC-B125/EXC-B150A flood light, EXC-W24B wall washer light

Western Xia Ancient City Project, located at the intersection of Helanshan West Road and Xingzhou Street, costs RMB 630 million and covers an area of 103mu, with a total floor area of 95,000m². As a key investment attraction project in Xixia District, the government is committed to building Western Xia Ancient City into a commercial complex integrating cultural tourism, catering and entertainment, leisure shopping, etc., a national cultural industry demonstration base, an e-commerce industry demonstration base, a non-genetic heritage protection base and a national tourist attraction above Grade 3A and to forming a landmark building themed "historical heritage and contemporary excellence".



Jinkangdao Time Tunnel in Bazhou, Hebei

Time of completion: December 2018
Product: EXC-P43AP/EXC-P42GP pixel light, EXC-4000WT controller

The Jinkangdao Time Tunnel Upgrade project in Bazhou, Hebei, is located on Jin Kang Road. It runs westward from the junction of Yijin Road and Jin Kang Road to the junction of Xinghua Road and Jinkang Road. At the end of 2018, there was a large-scale overall upgrade for the Time Tunnel, in which EXC-LED provided EXC-P43AP/EXC-P42GP pixel lights, EXC-4000WT controllers and other products for the lighting upgrade. As night falls and the lights are on, there are dozens of semi-circular arch bridges on Jinkang Road; the computer-programmed light, following the concept of “light tracking”, forms beautiful pictures which are like wonderful paintings decorating the night in Bazhou.

Micangshan Tunnel, Bazhong-Shaanxi Expressway

Time of completion: November 2018
Product: EXC-P33S pixel light (130,000 pcs)

Micangshan Tunnel, with a total length of 13.8km (3km in Shaanxi and 10.8km in Sichuan), is the second longest highway tunnel in China and the longest highway tunnel in southwest China. It is also the highway tunnel with the longest blinding heading, the deepest ventilation shaft in the middle and the largest ventilation connection scale in China. After nearly nine years of hard work, the Bazhong-Shaanxi Expressway was officially open to traffic at 10:00 a.m. on November 22, 2018.

“The sunshine is just nice and the maple leaves are just red”; at the entrance of Sichuan section of Micangshan Tunnel on Bazhong-Shaanxi Expressway (the end of Bazhong), the red maple leaves in front of the tunnel enhance beauty of the entrance of the tunnel. What is even more striking is the beautiful LED Qinchuan nightscape belt in Micangshan Tunnel for which the pixel lights are exclusively provided by EXC-LED!



Tianjin Binhai Cultural Center

Time of completion: October 2017
Product: EXC-P22EP pixel light (440,000 pcs)

Tianjin Binhai Cultural Center Library with a floor area of 33,700m² is one of the “five public utilities and one gallery”. The strong sense of future created by “Book Mountain” and “Coast Eye” made it become a well-known “Internet famous library” in 2017; the “Eye” in the center of venue is the core of whole “Coast Eye”. This spherical building with a diameter of 21m uses 440,000 pixel lights on its surface, which makes the multi-function hall become a sphere dome cinema. Hundreds of thousands of pixel lights, under the EXC-8000 and EXC-2900B light control systems, can help play movies and light shows.



Tower in South District of Shine Hills

Time of completion: September 2017
Product: EXC light guide plate (more than 300 pcs), EXC-5000 master controller, EXC-2900 slave controller

The Shine Hills are located at the high-end commercial villa area of Shunyi District, Beijing and the tower stands in the surrounding high-end commercial buildings. The light for the tower, owing to EXC customized light guide plates, makes the whole tower glittering, translucent, colorful and charming in the dim light of night by the form of interior light transmission.



Longfeng Peony Garden in Yangxian County, Hanzhong, Shaanxi

Time of completion: April 2017
Product: EXC-diamond light-M6S

The project is located at Liyuan scenic area in Yangxian County, Shaanxi Province. As part of the beautiful spring scenery of “2017 China’s Most Beautiful Rape Flower Sea & Hanzhong Tourism Culture Festival” in Yangxian County’s main venue, 10,000mu peonies in Yangxian County’s Crested Ibis & Pear Garden are in full bloom; the “peony flower tide” made by 30 million bloomy peonies in 9 colors schemes create the largest peony garden in the country with nightscape lights filling the mountains. The light show of “prosperity brought by dragon and phoenix and bloomy fortune” with the help of EXC-LED is the highlight of this festival.



Fulaishan Park, Yantai

Time of completion: May 2013
Product: EXC-P33S pixel light (60,000 pcs)

Located at the eastern of Zhifu District of Yantai, Fulaishan Park is mainly composed of library, archives center, youth activity centers, cultural centers and large and small steel structures of “Fountains of Sea” with total floor area of more than 50,000m². The Fulai Tower, as the highlight and focal point in the park, with unique shape on the top of mountain echoes the magnificent large and small “Fountain of Sea” at the foot of mountain. With the romantic image of “Harmony of Sea” as its design theme, the whole park adopts the concept of “seaside culture” for its meaning, such as the Fountain of Sea, Shell of Sea, Harp of Sea, Star of Sea and Flying of Sea... The design of lights of Fountain of Sea expresses various lighting effects including the vivid sea water, vast starry sky and colorful underwater world through professional dynamic control systems, telling the story of the Fountain of Sea. The simple and soft seaside tone, graceful arc-shaped lines and fashionable and gorgeous buildings perfectly integrate the architectural and lighting design methods; flashing lights is adorned in the theme square of green sea, which makes the unique charm of coastal city vivid and natural.



Xuchang East Railway Station

Time of completion: January 2016

Product: EXC-W42B wall washer light, customized panel light

Xuchang East Railway Station is the first-class passenger station on the Beijing-Guangzhou passenger dedicated line. It is located at the north section of Xuzhou Road, Xuchang, opposite the Xuchang Terminal Building of Zhengzhou Xinzheng International Airport, facing Tianbao Road, the longest east-west main road in the city. Xuchang East Railway Station was founded in 2008 and officially opened on September 28, 2012. It belongs to Zhengzhou Railway Bureau. With total length of 3mk and floor area of 20,000m², the station has 2 platforms and 5 lines. The project uses EXC-W42B wall washer lights and customized panel lights. The wall washer light is equipped with new generation of enhanced optical lens, which increase brightness by 30% over the traditional one. Two light guide plates carved into lotus shapes by laser form a lotus flower, which looks like being inlaid on the outer wall of Xuchang East Railway Station at night with bright and gorgeous lighting effect.



Longfeng Square, Taibai Mountain, Shaanxi

Time of completion: July 2015

Product: EXC-P42YS customized pixel light (100,000 pcs)

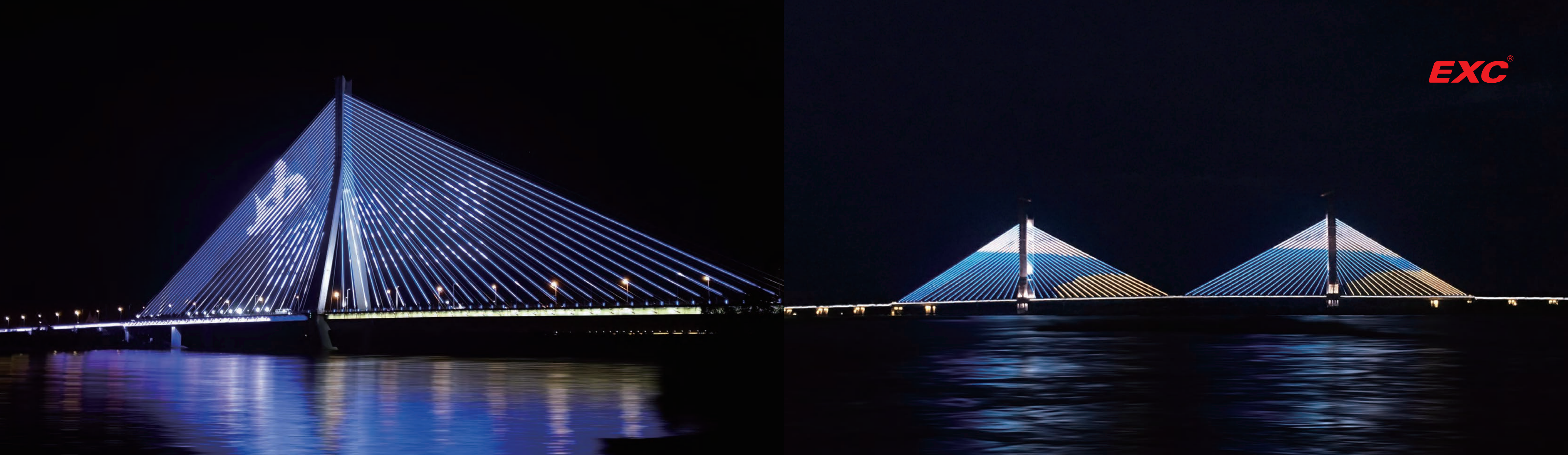
Located at the artificial lake in front of Longfeng Square in Shaanxi Taibai Mountain International Tourism Resort, the underwater display screen of Longfeng Square Taibai Mountain is divided into two dot-matrix screens with a total area of 1000m². The project adopts 100,000 EXC-LED's EXC-P42YS customized pixel light. The installation adopts buckle installation method to fix the light on 1*1m unit perforated aluminum plate, and then put specially designed lotus-shaped PC lightshade into installation hole on the front surface of perforated aluminum plate to realize the effect of looking like lotus in the daytime and two large-area light screens in the evening, thus displaying lights with hazy aesthetic feeling. This project solves the problem of centralized power supply at long distance and sealed anaerobic hydrolysis of lights.



Bridge

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- Songpu Bridge, Harbin
- Cocodala Bridge, Xinjiang
- Fuyang Bridge, Hangzhou
- Yunyang Bridge, Chongqing
- Chaoyang Bridge, Nanchang
- 18-opening Bridge, Jinling River, Baoji



Songpu Bridge, Harbin

Time of completion: October 2019
Product: EXC-P46 pixel light

This bridge runs northward from Nanxin Street on the south bank of Songhua River and reaches Yongsheng Road on the north bank of Songhua River. It is adjacent to Heilongjiang University of Science and Technology. The route is 4.027km long and consists of three parts: south approach bridge, main bridge crossing the river, and north approach bridge. The main bridge is a diamond-shaped single-tower double-cable-plane cable-stayed bridge with a semi-floating structure. The main tower is 160m high and the main bridge is 476m long (including 268m main span and 208m side span; in terms of the span, the bridge ranks eighth among China's long-span single-tower cable-stayed bridges). The steel-concrete composite beam structure is adopted. The approach bridge is 3,450m long, the main bridge is 39.5m wide, eight lanes in both directions; with the design vehicle speed of 80km/h, the bridge can allow 9,800 vehicles at peak hours; 2m-wide sidewalks are respectively set on both sides of the river-crossing bridge.

Cocodala Bridge, Xinjiang

Time of completion: June 2019
Product: EXC-P53AP pixel light (120,000 pcs): 6+3 RGBW, 2W, DC36V, spacing: 125mm; EXC-W42B wall washer light (3,500 pcs): RGBW, 24W

Located at the 4th Division of Xinjiang Construction Corps in Cocodala City, Cocodala Bridge crosses Ili River. The bridge is 2,527m long and 32.5m wide. The main bridge is a 600m prestressed concrete cable-stayed bridge, and a double-column variable cross section H-shaped tower which is 107.5m high is used. The bridge is built as a two-way four-lane bridge (design speed 80 km/h) according to the first-class highway standard.



Fuyang Bridge, Hangzhou

Time of completion: end of 2018
Product: EXC-P53AP pixel light

In this nightscape improvement project, considering the structural characteristics of Fuyang Bridge, EXC-LED adopts diagonal-tie-based media for demonstration. Nearly 100,000 EXC-P53AP lights are provided, which are powered by 36V power supplies that are all placed at the bottom of the cable-stayed bridge, which effectively provides solutions to long-distance power supply and voltage drop and facilitates future replacement and maintenance. In this project, continuous lighting with color changes is combined with modern lighting technology to form dynamic video images; three modes of light shows depending on use conditions (ordinary days, common holidays and major festivals).



Yunyang Bridge, Chongqing

Time of completion: January 2016
Product: EXC-P52S RGB full-color pixel light

Located at Yunyang County, Chongqing, Yunyang Bridge is the last Yangtze River bridge built in Chongqing before impoundment in the second phase of Three Gorges Project. As an important transportation hub whereby Yunyang and Yudong District participates in the national economic cycle, the bridge starts from new Yunyang County on the north bank of Yangtze River and ends at Panlong Street on the south bank; S205 Provincial Highway passes through the bridge to connect Kaixian-Lichuan Road, an important provincial highway in Chongqing. The bridge is a high-low tower cable-stayed bridge with a total length of 1278.6m. For the project, EXC-P52S RGB full-color pixel lights are provided. Based on lighting aesthetics and combining with the basic elements of the bridge, such as points, lines and faces, such lights form a lighting system in which all colors on the bridge add beauty to each other, thus a dreamlike atmosphere is created. Looking at Yunyang Bridge from a distance, people can see soft light on both sides of the bridge, bright red Chinese knots, festive red peony and flowing water; white light passes through the suspension cables of the bridge and reflects off the water surface, bringing a more fascinating and charming city at night.



Chaoyang Bridge, Nanchang

Time of completion: October 2015
Product: EXC-P80S pixel light, EXC-B150 flood light

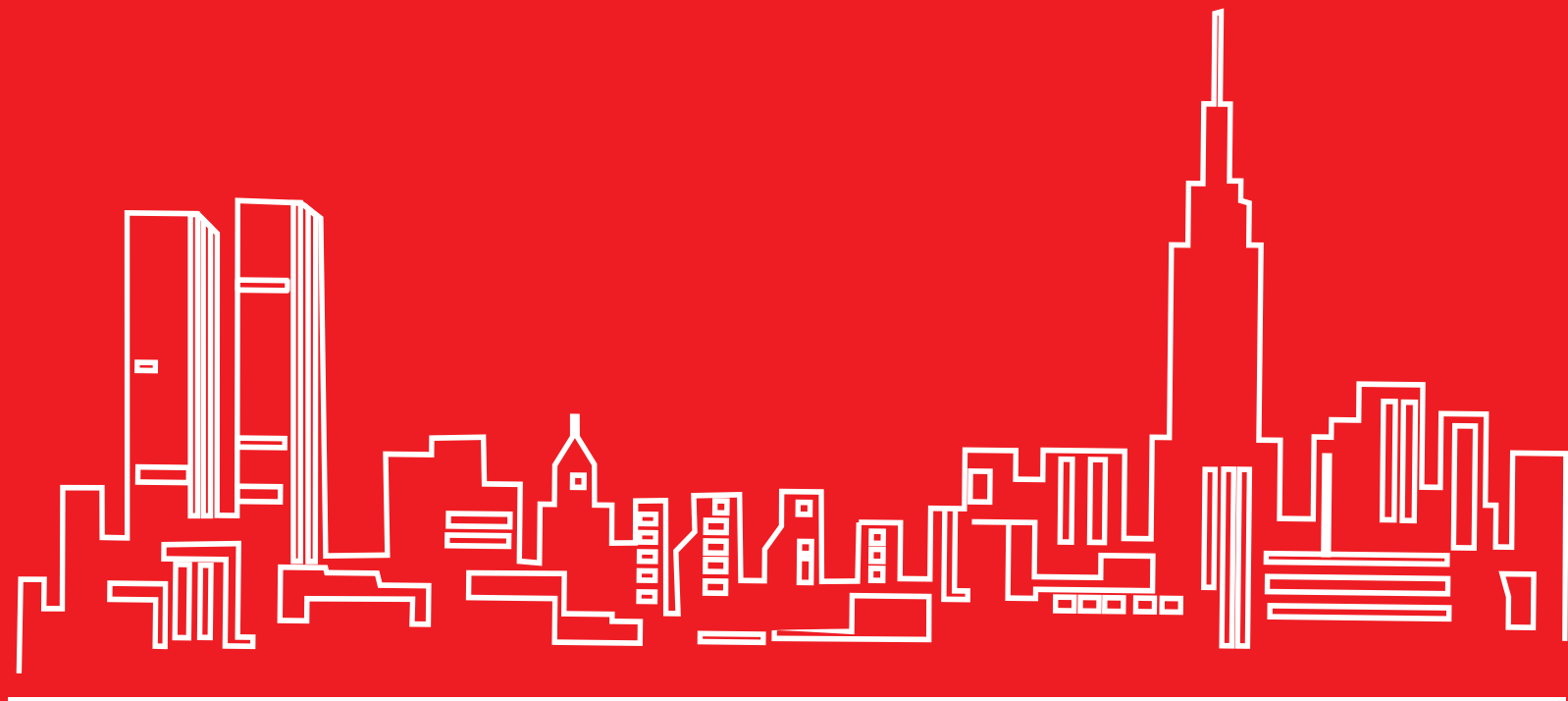
Nanchang Chaoyang Bridge, 3.6km long and 33.5m to 40.5m wide, is located between Nanchang Bridge and Shengmi Bridge and connects Chaoyang New Town and Hongjiaozhou. It runs eastward from Fenghe South Avenue, Hongjiaozhou and ends at Fusheng Road, Chaoyang New Town in Xihu District. It is a cross-regional river-crossing bridge which connects Qianhu Avenue, crosses Ganjiang South Avenue, runs along Jiangnan Avenue and connects Jiuzhou Avenue. The stay cable of the bridge is provided with EXC-P80S pixel lights and the deck is provided with EXC-B150 flood lights (color temperature 3000K). Owing to the nightscape lighting design of the tower, stay cable and main girder, the bridge vividly reflects the rhythmic visual sequence and becomes the focus of attention on both sides of Ganjiang River. The project was completed in October 2015. The LED lights bring variable colors, and enable the bridge to show different nightscape lighting effects in different seasons and important festivals.



18-opening Bridge, Jinling River, Baoji

Time of completion: July 2016
Product: EXC-W172 wall washer light (432 pcs), EXC-W80B wall washer light (360 pcs), EXC-B270 flood light (54 pcs)

Yinwei Channel, used to irrigate Weibei Plain with water from Weihe River, is the core water conservancy project in Baojixia Irrigation District. The project is an aqueduct that helps Yinwei Channel cross Jinling River, and is called 18-opening Bridge by local people because of its 18 openings. Baoji has invested RMB 210 million for the construction of the ecological comprehensive treatment project for the upper reaches of the urban river section of the bridge and through the lighting project, aims to build a Jinling Gallery similar to Dongling Gallery on the river.



Oversea projects

153	THM Hotel, Vietnam	Astana Municipal Government Building, Kazakhstan
	MT Nha Trang, Vietnam	HighVill in Nur Sultan, Kazakhstan
174	Panarama, Vietnam	AISANAM Apartment Block in Nur Sultan, Kazakhstan
	TTHC, Vietnam	Mosque in Nur Sultan, Kazakhstan
	Discovery Building, Vietnam	Buildings along river in Nur Sultan, Kazakhstan
	DAT Hotel, Vietnam	OLEUSO Center Building, Venezuela
	EuroWindow, Vietnam	MEGAGRINN Shopping Mall, Russia
	TRN Building, Vietnam	Multimedia Sphere in St. Petersburg Igora Resort, Russia
	Roof of Hanoi Hotel, Vietnam	St. Petersburg Church, Russia
	Vietnam Lake	Habtoor Grand Hotel, Dubai
	Nga Tu So Bridge, Vietnam	Dubai Mall
	MT Son Tra, Vietnam	Singapore business district
	Cable stayed bridge, Vietnam	Singapore office building
	Le Hong Phong Dry Bridge, Vietnam	MONOLIT construction material supermarket in Bishkek, Kyrgyzstan (external wall lighting)
	Headquarters building of the largest bank (VP Bank) in Vietnam	GAP Western Restaurant, Iran
	Yunnan-Vietnam border	MidTown Apartment Block in Kishinev, Moldova
	Kazakhstan Multimedia Cube	Display screen of hot spring town, South Korea
	Alma-Ata District Government Building, Kazakhstan	Kive Office Building in Ukraine
	Astana Tourism Department Building, Kazakhstan



THM Hotel, Vietnam

Product: EXC-P33S pixel light (10,000 pcs)

Time of completion: May 2019



MT Nha Trang, Vietnam

Product: EXC-P33S pixel light (10,000 pcs)

Time of completion: August 2019



Panarama, Vietnam

Product: EXC-100AS pixel light (1,500 pcs)

Time of completion: March 2019



TTHC, Vietnam

Product: EXC-P20SP pixel light (20,000 pcs)

Time of completion: October 2019

Discovery Building, Vietnam



Product: EXC-P33S pixel light
Time of completion: October 2018

DAT Hotel, Vietnam



Product: EXC-P12G pixel light
Time of completion: December 2018

EuroWindow, Vietnam



Product: EXC-U20NA linear light
Time of completion: December 2017

TNR Building, Vietnam



Product: EXC-P12G pixel light
Time of completion: February 2019

Roof of Hanoi Hotel, Vietnam



Product: EXC-B150 flood light
Time of completion: September 2015

Vietnam Lake



Product: EXC-P130 pixel light
Time of completion: March 2016

Nga Tu So Bridge, Vietnam



Product: EXC-130/EXC-33S pixel light, EXC-B600 flood light
Time of completion: January 2013

MT Son Tra, Vietnam



Product: EXC-P100, EXC-U20NA
Time of completion: April 2017

Cable stayed bridge, Vietnam



Product: EXC-P42S pixel light
Time of completion: August 2016

Le Hong Phong Dry Bridge, Vietnam



Product: EXC-P130X (600 pcs); EXC-P52S (12,000 pcs)
Time of completion: November 2016

Headquarters building of the largest bank (VP Bank) in Vietnam



Product: EXC-P12G pixel light (over 50,000 pcs), EXC-6000 master controller, EXC-2900 slave controller
Time of completion: September 2017

Yunnan-Vietnam border



Product: EXC-D50A linear light, EXC-W64 wall washer light
Time of completion: May 2015

Kazakhstan Multimedia Cube



Product: EXC-P22AP pixel light
Time of completion: June 2018

Alma-Ata District Government Building, Kazakhstan



Product: EXC-W45/EXC-W24 wall washer light; EXC-B270B/EXC-B150 flood light; EXC-U30C linear light
Time of completion: April 2016

Astana Tourism Department Building, Kazakhstan



Product: EXC-W64/EXC-W45 wall washer light; EXC-B270B/EXC-B150 flood light; EXC-U30C linear light
Time of completion: July 2016

Astana Municipal Government Building, Kazakhstan



Product: EXC-W64/EXC-W45 wall washer light; EXC-B270B/EXC-B150 flood light; EXC-U30C linear light
Time of completion: October 2016

HighVill in Nur Sultan, Kazakhstan



Product: EXC-B210/EXC-B150C flood light (120 pcs); EXC-W172/EXC-W24B/EXC-W42B wall washer light (177 pcs); EXC-U20NB linear light (610 pcs); window sill light (300 pcs)
Time of completion: November 2017

AISANAM Apartment Block in Nur Sultan, Kazakhstan



Product: EXC-B150/EXC-B270 full-color flood light (254 pcs); EXC-5000 master controller (1 pc), EXC-2900 slave controller (4 pcs)
Time of completion: November 2017

Mosque in Nur Sultan, Kazakhstan



Product: EXC-W30 wall washer light (510m); EXC-B265/ EXC-B210/ EXC-B150B/ EXC-B125/ EXC-B65 flood light (347 pcs); EXC-4000 master controller
Time of completion: June 2019

Buildings along river in Nur Sultan, Kazakhstan



Product: EXC-B150/EXC-B240/EXC-B600 full-color flood light (127 pcs)
Time of completion: August 2017

OLEUSO Center Building, Venezuela



Product: EXC-P22S pixel light, EXC-W45 wall washer light
Time of completion: May 2015

MEGAGRINN Shopping Mall, Russia



Product: EXC-P34AS/EXC-P85AS pixel light, EXC-W80 wall washer light
Time of completion: December 2014

Multimedia Sphere in St. Petersburg Igora Resort, Russia



Product: EXC-P52S pixel light (100,000 pcs)
Time of completion: September 2016

St. Petersburg Church, Russia



Product: EXC-B150/EXC-B240/EXC-W64 (120 pcs)
Time of completion: July 2016

Habtoor Grand Hotel, Dubai



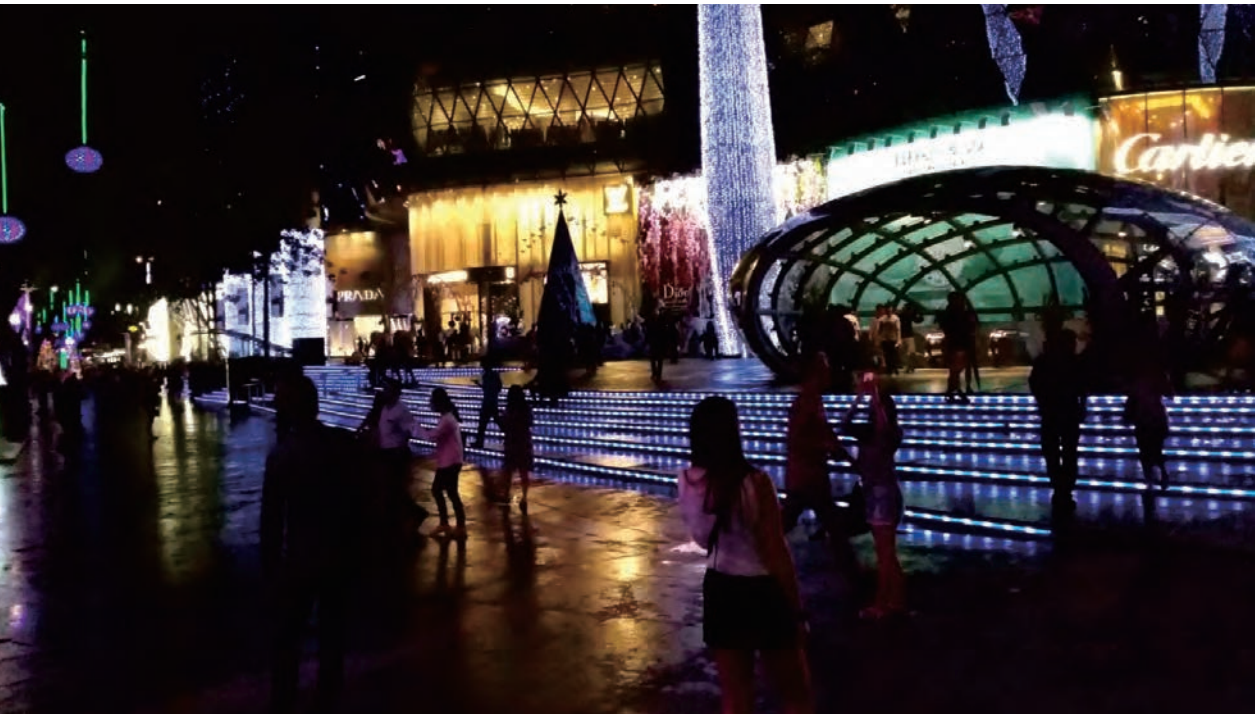
Product: EXC-W64 wall washer light
Time of completion: February 2014

Dubai Mall



Product: EXC-P52S pixel light (5,200 pcs)
Time of completion: February 2016

Singapore business district



Product: EXC-U15 linear light
Time of completion: December 2015

Singapore office building



Product: EXC-U40 linear light
Time of completion: March, 2015

MONOLIT construction material supermarket in Bishkek, Kyrgyzstan (external wall lighting)



Product: EXC-D30B linear light (750m); EXC-W42C wall washer light (94m); EXC-5005 master controller (1 pc), EXC-2905 slave controller (6 pcs)
Time of completion: May 2019

GAP Western Restaurant, Iran



Product: EXC-P22S pixel light (19,500 pcs)
Time of completion: December 2015

MidTown Apartment Block in Kishinev, Moldova



Product: EXC-U20NA linear light (199 pcs), EXC-5000WP master controller, EXC-2905 slave controller
Time of completion: September 2019

Display screen of hot spring town, Korea



Product: EXC-P22D pixel light (22,000 pcs)
Time of completion: May 2016

Kive Office Building in Ukraine



Product: EXC-U20C linear light (1600m), EXC-5000 controller
Time of completion: June 2016