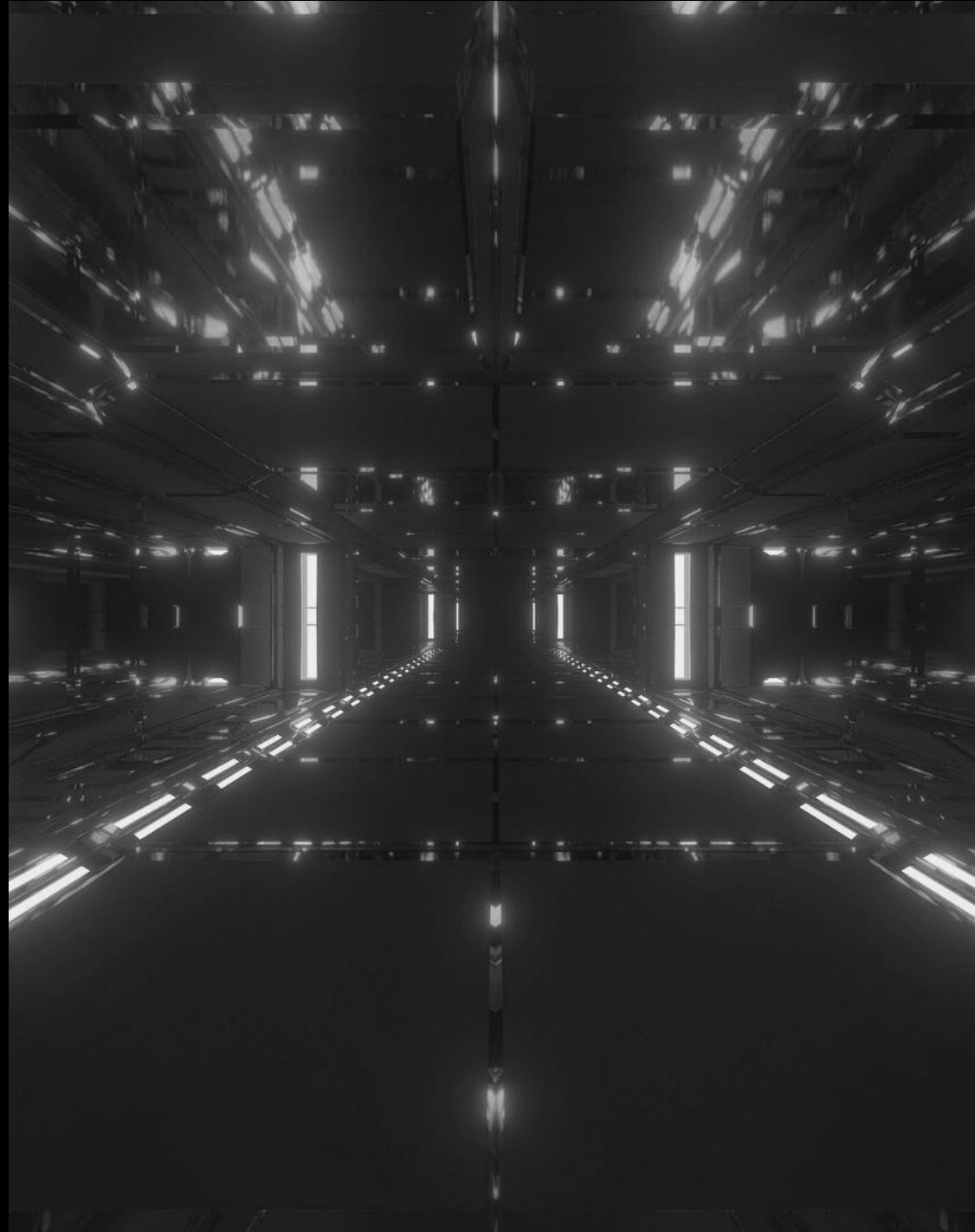




LED
LIGHTING

FERMADA
led aydınlatma

Lighting Division



Fermada LED Lighting which is lighting brand of Akim Metal, provides solution to the partners with their projects with the wide range of products which are Industrial, Street, Indoor/Outdoor Luminaries and Customized Lighting Design Solutions.

Fermada offered remarkable, cutting edge solutions to prestigious projects both in domestic and international platforms, such as; Istanbul New Airport and Louvre Museum in France.

Fermada LED Lighting Team supplies products to various areas which are Healthcare Centers, Commercial-Residential Areas, Façade, Sport Complex, and Marine Areas with its manufacturing power.

ABOUT US

FERMADA

Milestones

1974

AKIM METAL
was
established in
Istanbul

1989

AKPLAS
was
established in
Istanbul

1997

First
Automotive
customer

2004

AKSEM
Moulding was
established in
Kocaeli

2005

Aliminium Injection
activity started in
Akım Metal



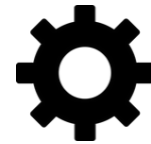
2011

AKIM METAL
R&D Center was
established



2012

First Servomotor,
CNC and LED
prototype
manufacturing



2014

YMB was
established in
Istanbul



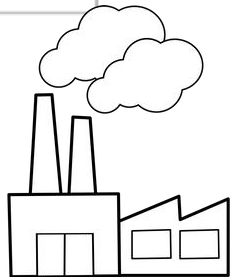
2017

CURRENT METAL
SRL. was
established in
Romania.



2018

A GROUP USA
INC. was
established in
Chicago USA



FERMADA



GEBZE



MUALLİMKÖY



ROMANIA



TUZLA



ÇERKEZKÖY



DİLOVASI

Locations

Group Companies



AKIM METAL
SANAYİ VE TİCARET ANONİM ŞİRKETİ

Machining
Aluminum Injection
Sheet Metal Process
R&D Center



curent metal

Machining
Aluminum Injection
R&D Center



AKPLAS
SANAYİ VE TİCARET ANONİM ŞİRKETİ

Plastic Injection
Heat Exchanger
Manufacturing



AKSEM
KALIP SAN. VE TİC. LTD. ŞTİ.

Aluminium & Plastic
Injection
Mold Manufacturing



AGROUP
USA

Sales & Marketing
USA Branch



ymb
your marketing business

Sales & Marketing
Global

FERMADA

Research & Development Center

Refers to innovative activities undertaken by Akim metal in developing new services or products, or improving existing services or products.

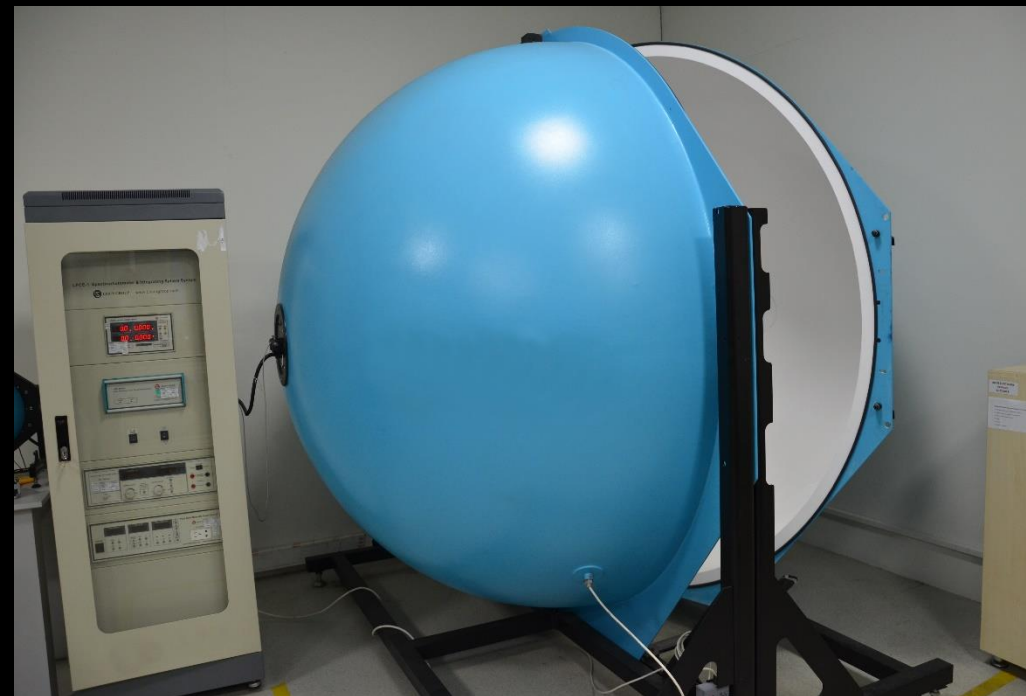
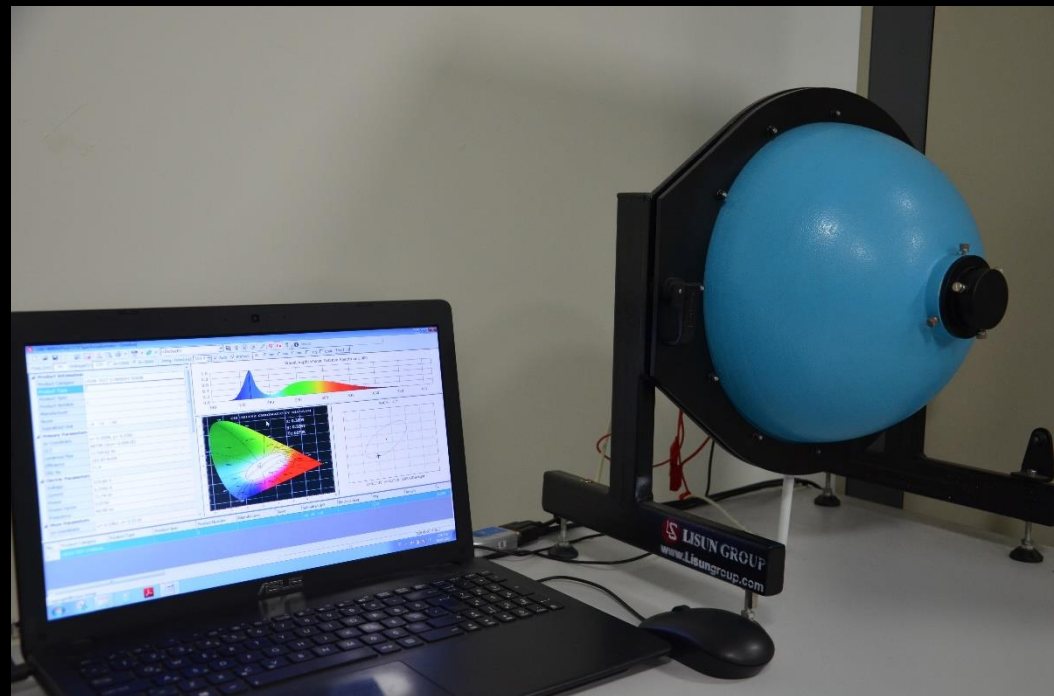
Provide new and efficient solutions (in terms of cost and results) to the operators

Fermada LED Lighting Team

Fermada is one of the lighting brands who is having an accredited R&D Center in Turkey.



Laboratoires



3-AXIS MEASURING DEVICE - CMM

MOLDING MEASURING DEVICE

CONTROLLER DEVICE

X-RAY

CHEMICAL SPECTROMETRIC ANALYSIS

MATERIAL TENSION AND PRESSURE TESTING MACHINE

SURFACE ROUGHNESS MEASURING MACHINE

PROFIL PROJEXION

HARDNESS SIZE EQUIPMENT

LASER DIAMETER MEASUREMENT

ASH OVEN

MEASURING ALUMINUM DENSITY

QUADRANT MEASUREMENT MOLDING

MICROMETRIC CALIBRATION SET

CALIPER CALIBRATION KIT

OTHERS (STANDARD & SPECIAL PURPOSE MEASURING
DEVICES)

GONIO PHOTOMETRIC MEASUREMENT AND

GONIOPHOTOMETRIC MEASUREMENT

IP & IK TESTERS

FERMADA

Project Details

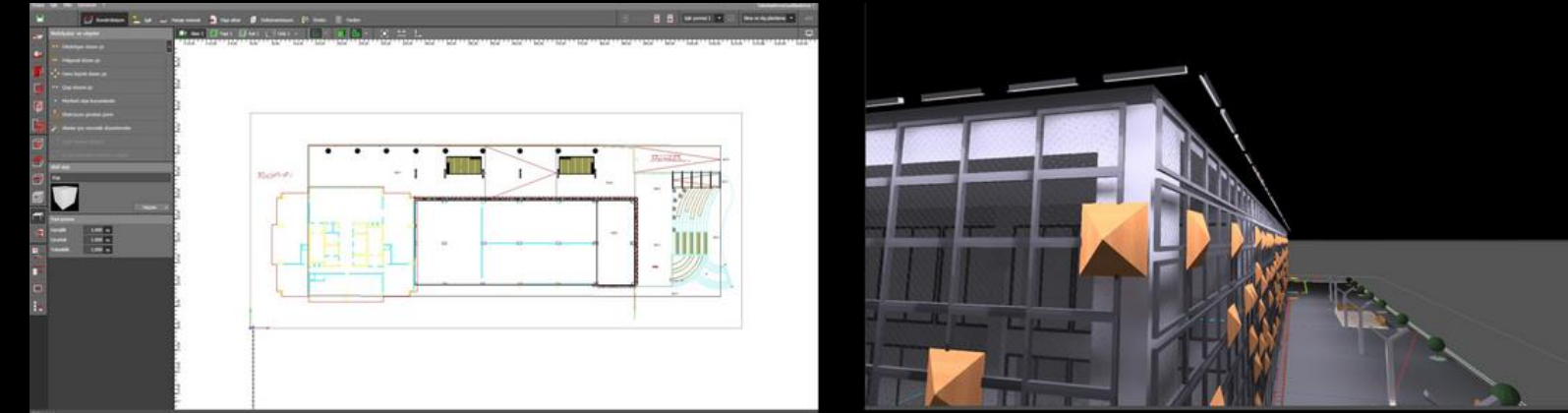
1.

Choosing the luminaires to be used in the project, we draw the layout plan in AutoCAD software programme.



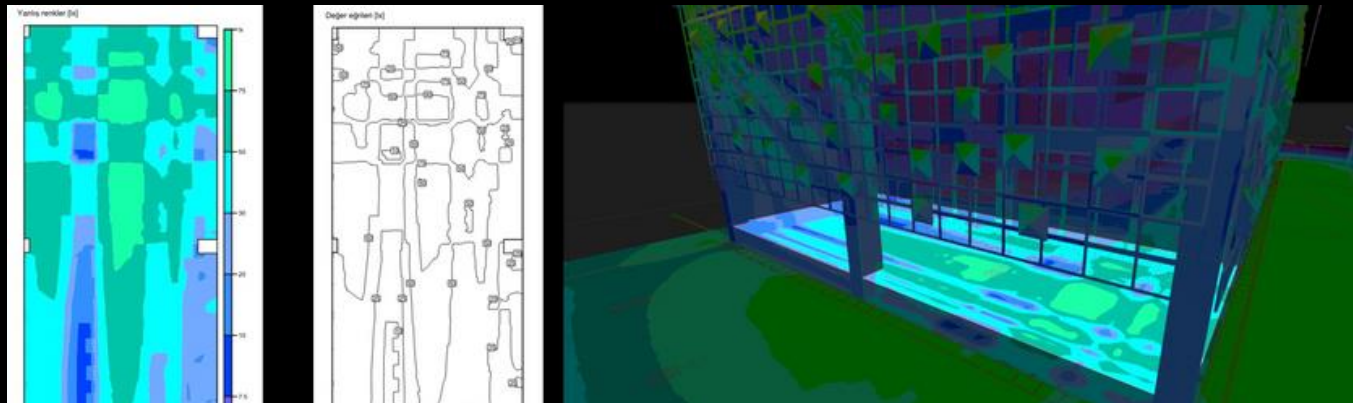
2.

After modeling the structure with the DIALux software, we place the lighting luminaires into the 3D project.



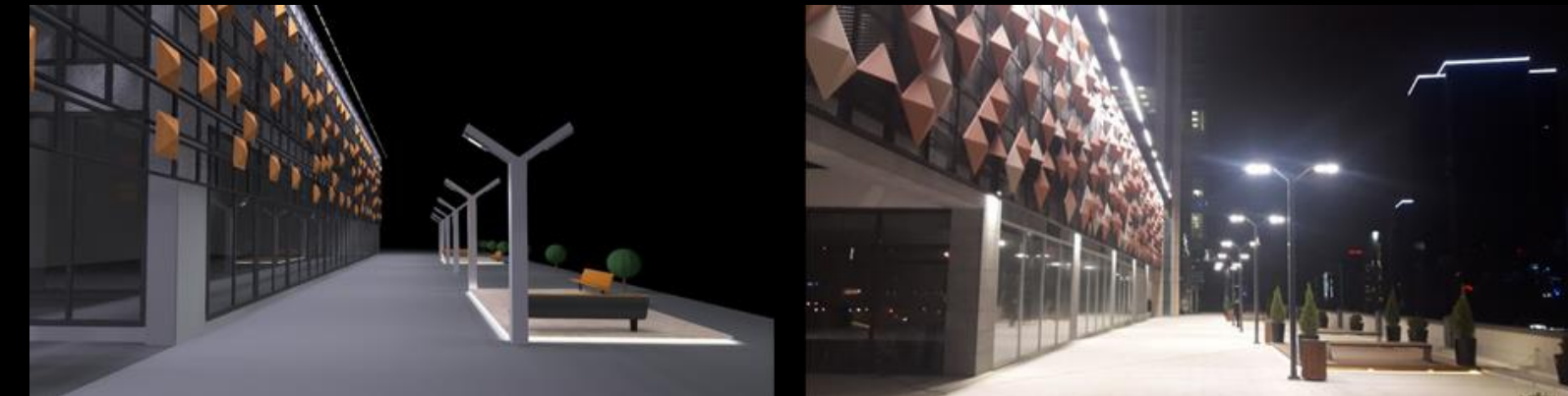
3.

Analyzing the lighting levels by simulating the structure.



4.

Taking render of the desired images and compare with the real situation.



“Design and Production Process”

Fermada has the ability to perform every single stage from designing to production in-house and Fermada has the technological infrastructure for manufacturing all kinds of luminaries for lighting areas. All our luminaries have international certificates.

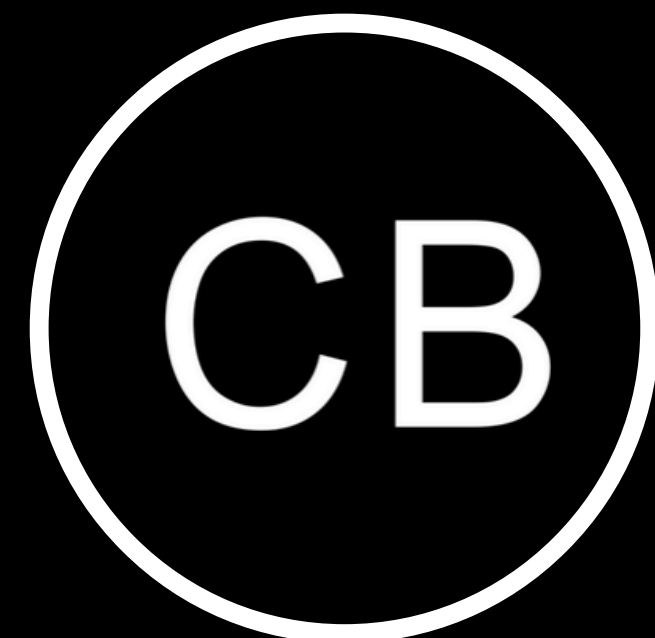
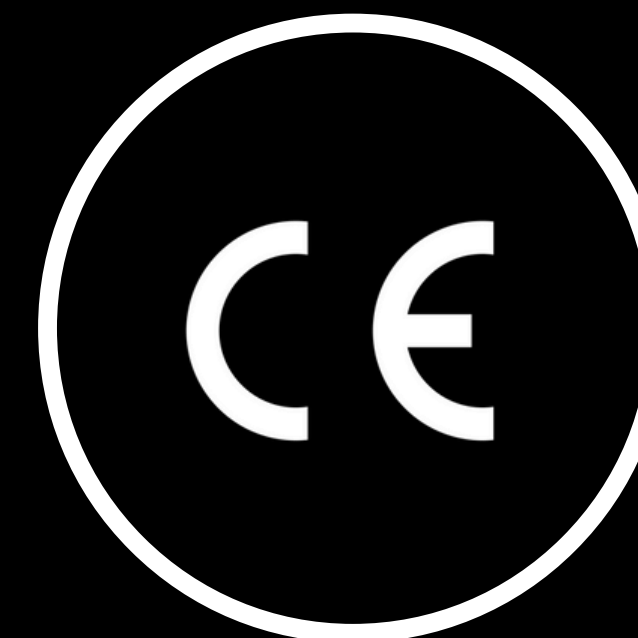
Export

4 Continent

| 40 Countries



Certifications / Approves

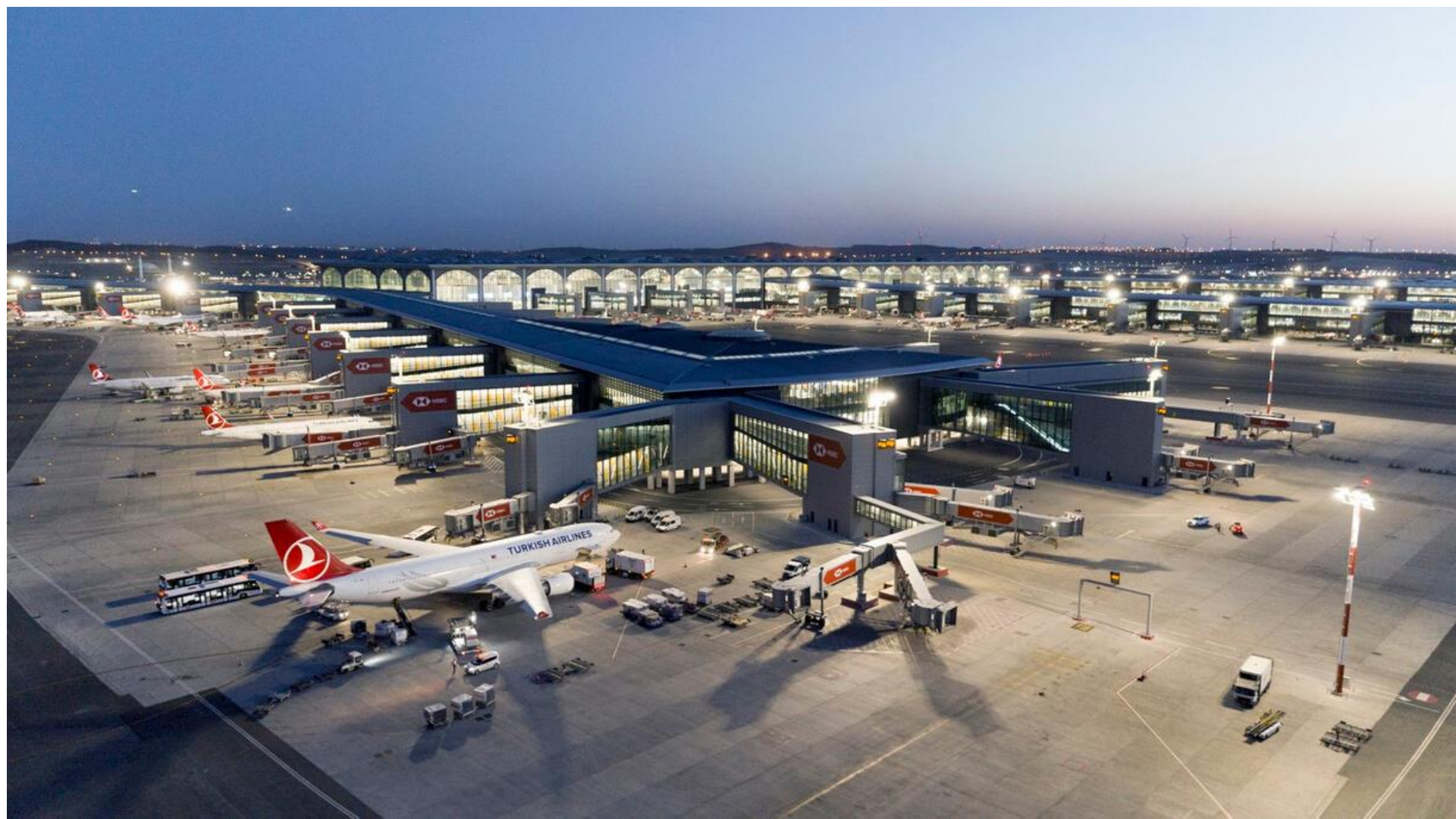


An aerial photograph of the Istanbul Airport at dusk. The terminal building is illuminated with warm lights, and the tarmac is visible with several aircraft parked at gates. The sky is a deep orange and blue.

#İSTANBUL AIRPORT

2017 - ...

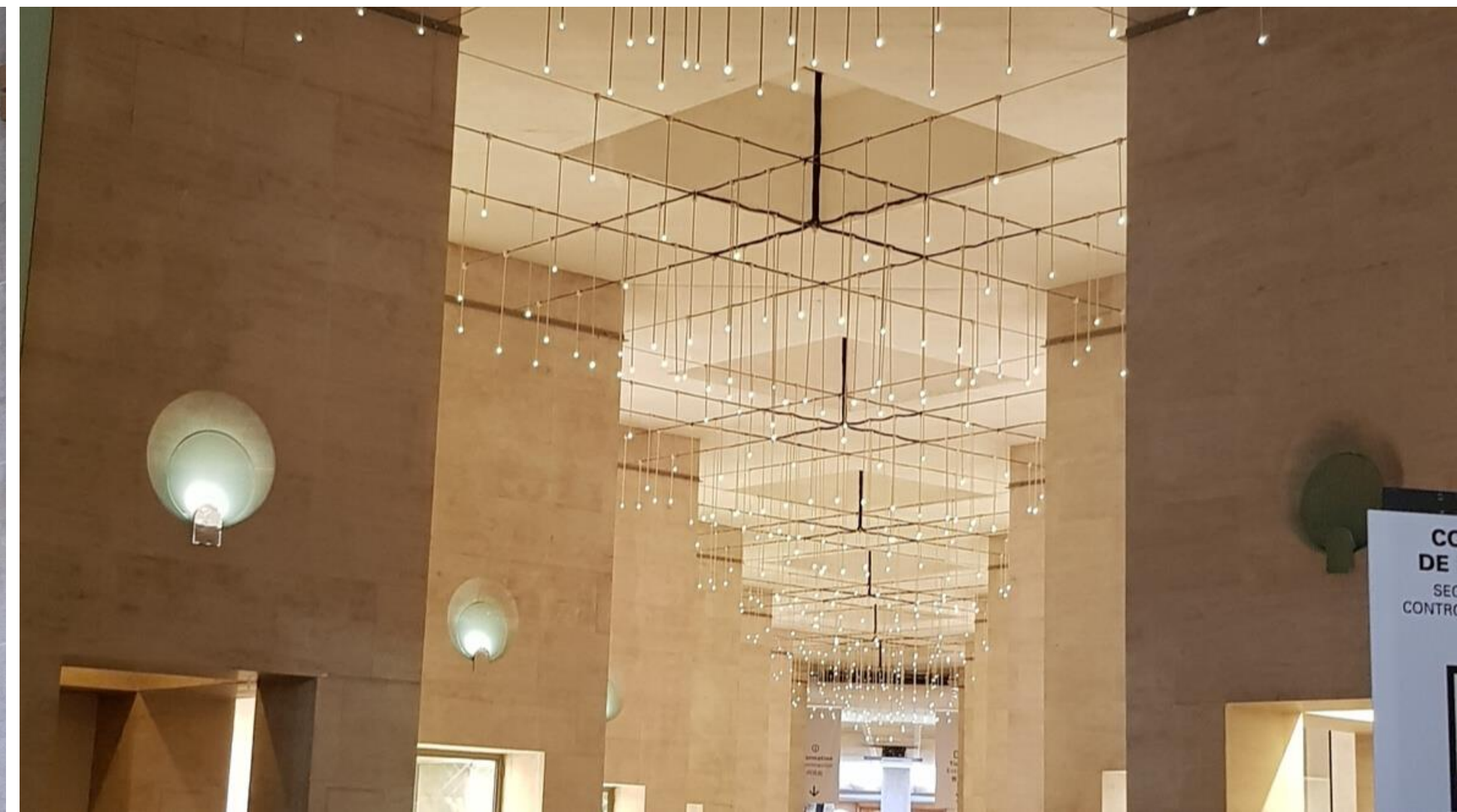
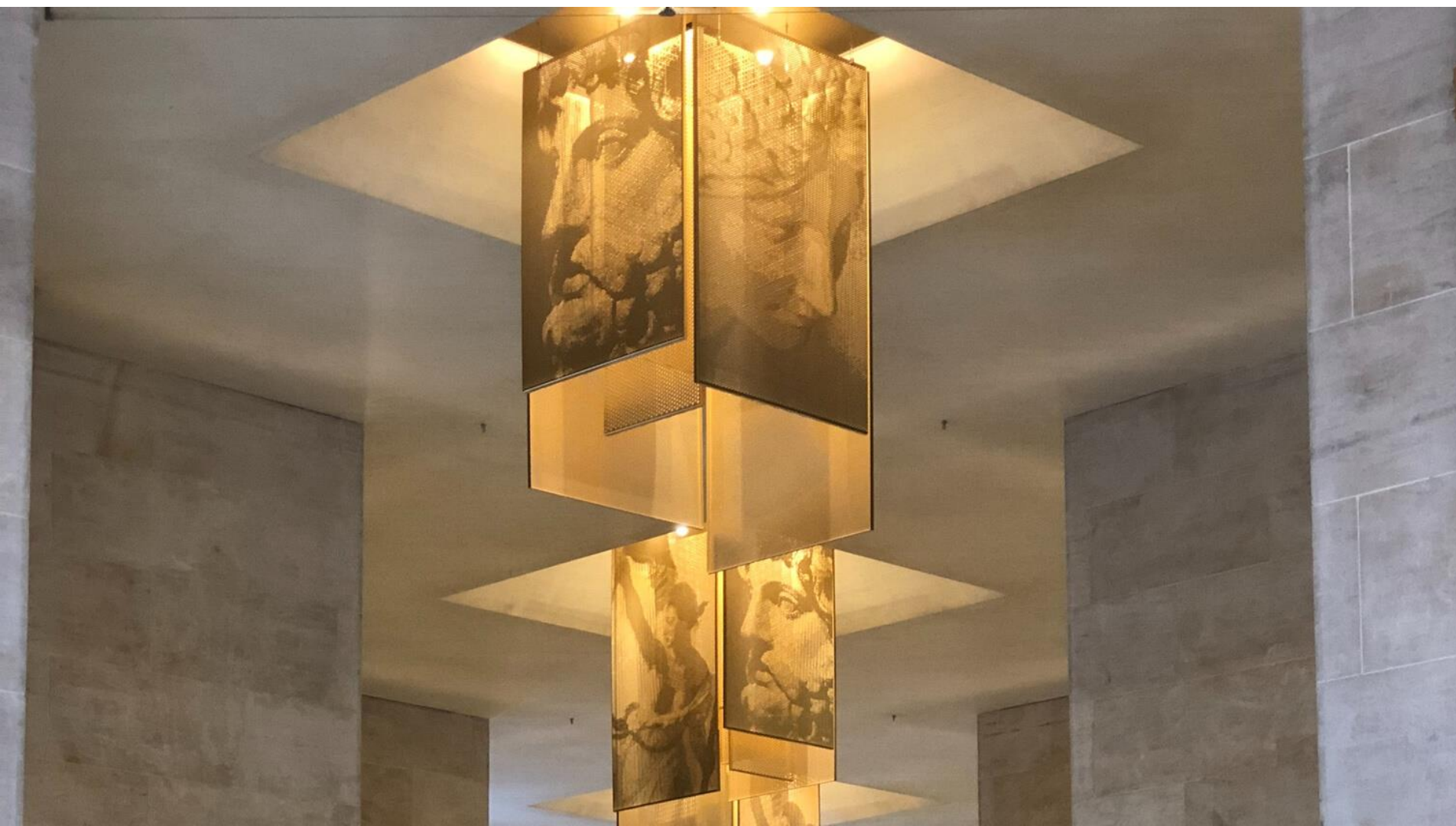
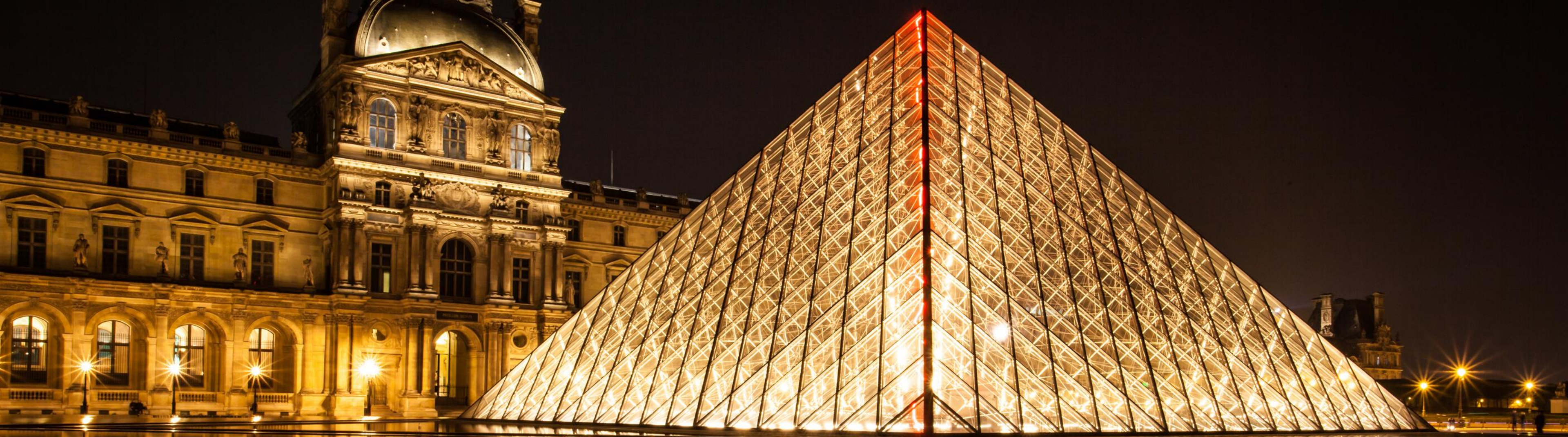
- World's largest and most prestigious Airport project
 - Domestic production source and custom designs
 - 100% "Back of House" (BOH) area lighting
 - 35% "Front of House" (FOH) area lighting
 - Terminal Environmental Lighting
-



LOUVRE MUSEUM

2019

- The world's largest art museum and historical monument (Paris / France)
 - Europe's most visitors area museum
 - Luminaires used; Fiber optic special technology
-

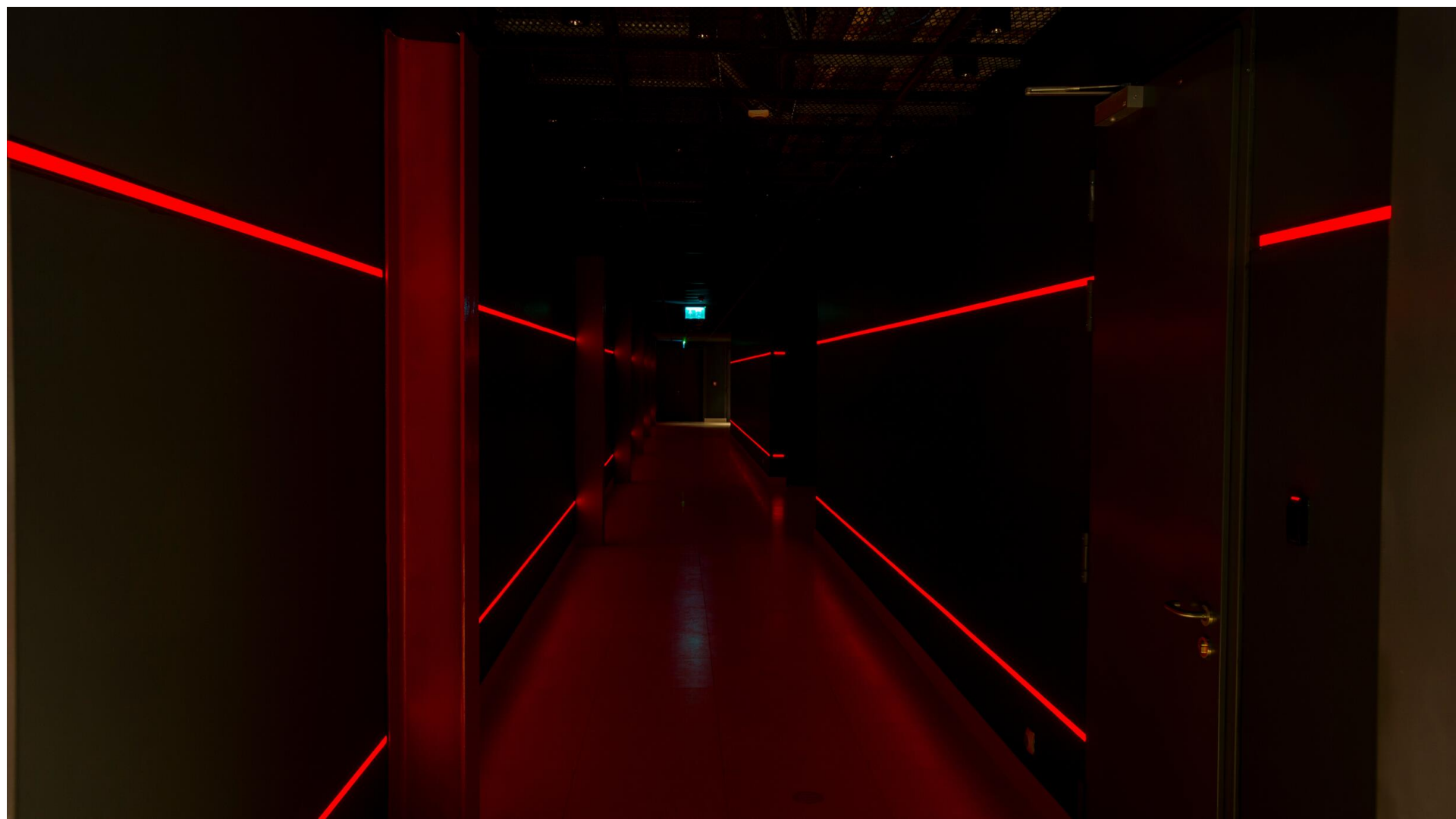




#STAR OF BOSPHORUS DATA CENTER

2019

- Most advanced data center in Turkey.
 - 24.000 m2 area
 - Leed Certification
 - Special Type Architectural Type Lighting
-

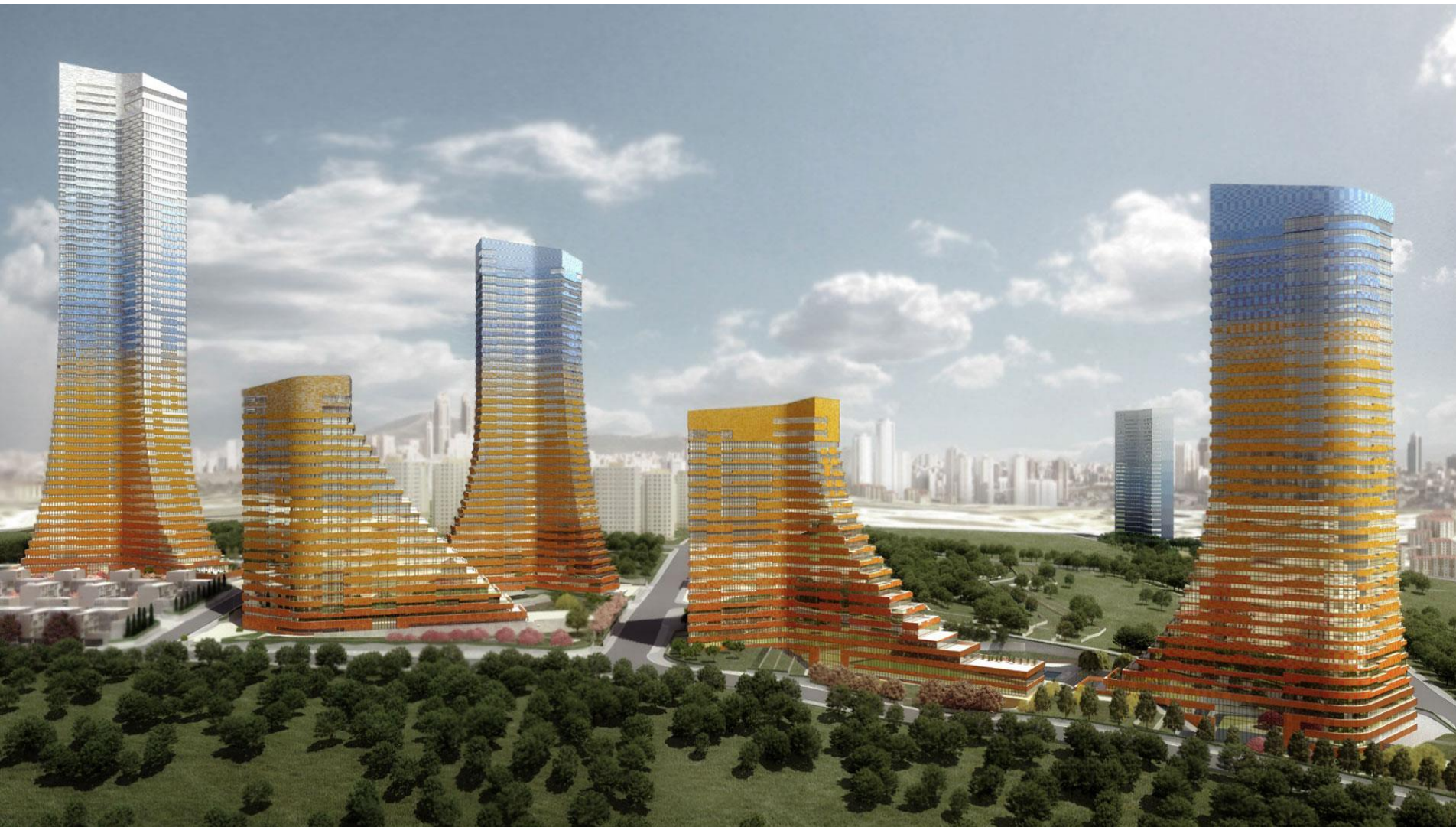
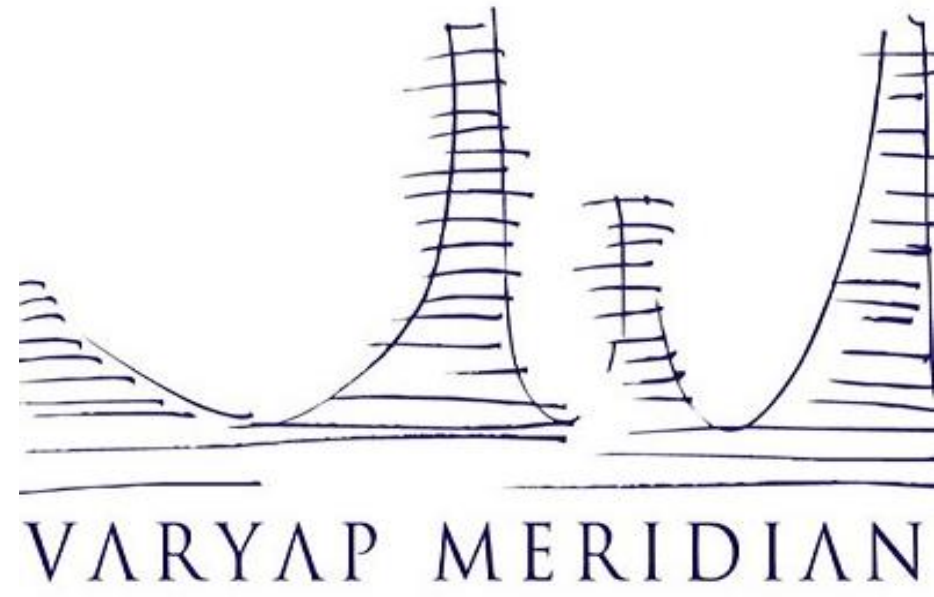




VARYAP MERIDIAN

2019

- World's "Best Architectural Project" Award
 - Turkey's first "Sustainable Green Energy Project"
 - Lowest power consumption, longest decorative exterior lighting
 - Luminaires used: Phoenix Color with DMX control, RGB with Automation System
-





#SILICON VALLEY

2020

- Turkey's "Best Prestigious Project"
 - Turkey's "Innovation and technology Center"
 - Luminaires ; Phoenix Color with RGB and DMX Controlled
-





Istanbul Sceince
High School



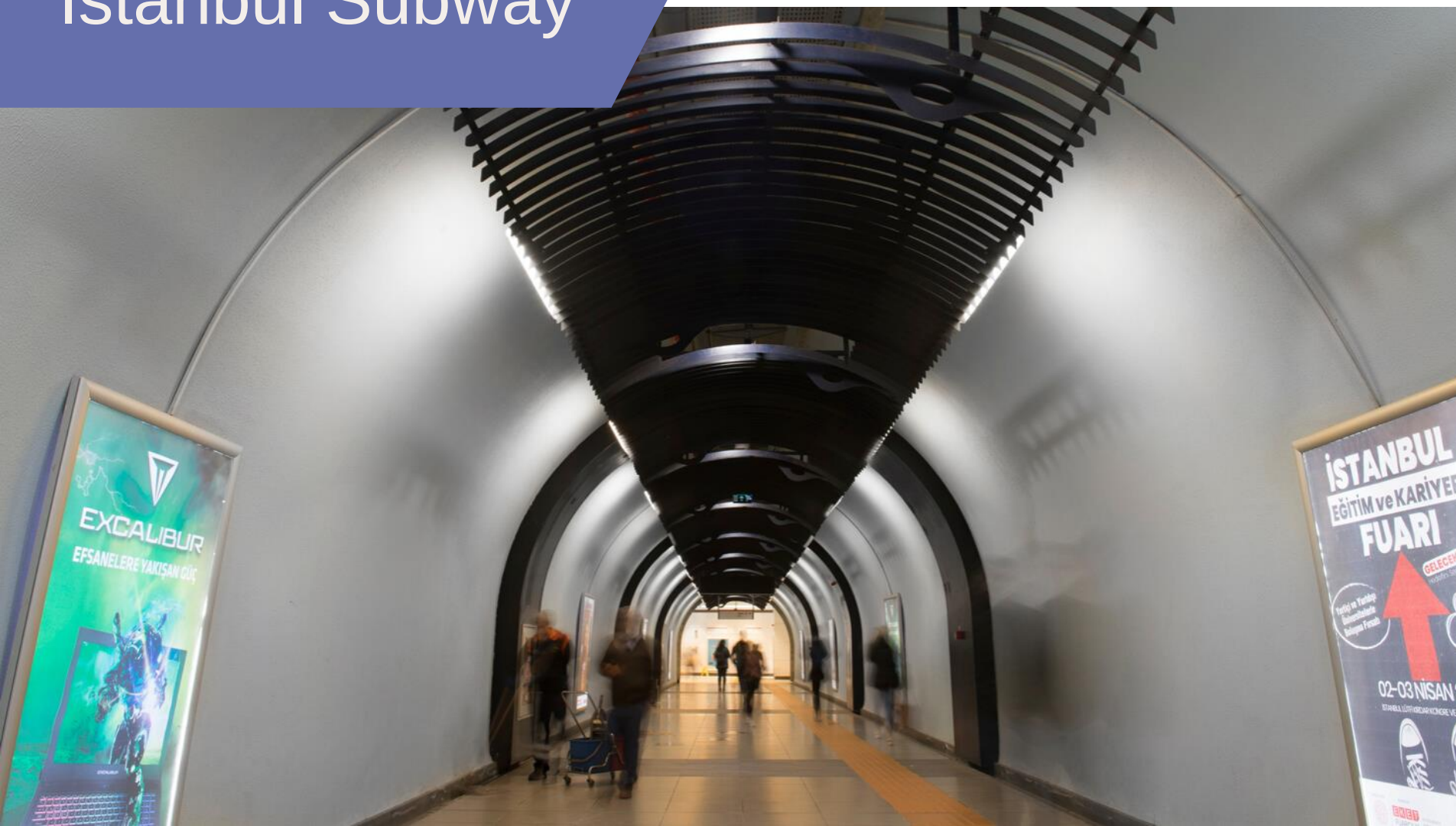


Iyzico
Virtual Credit





Istanbul Subway



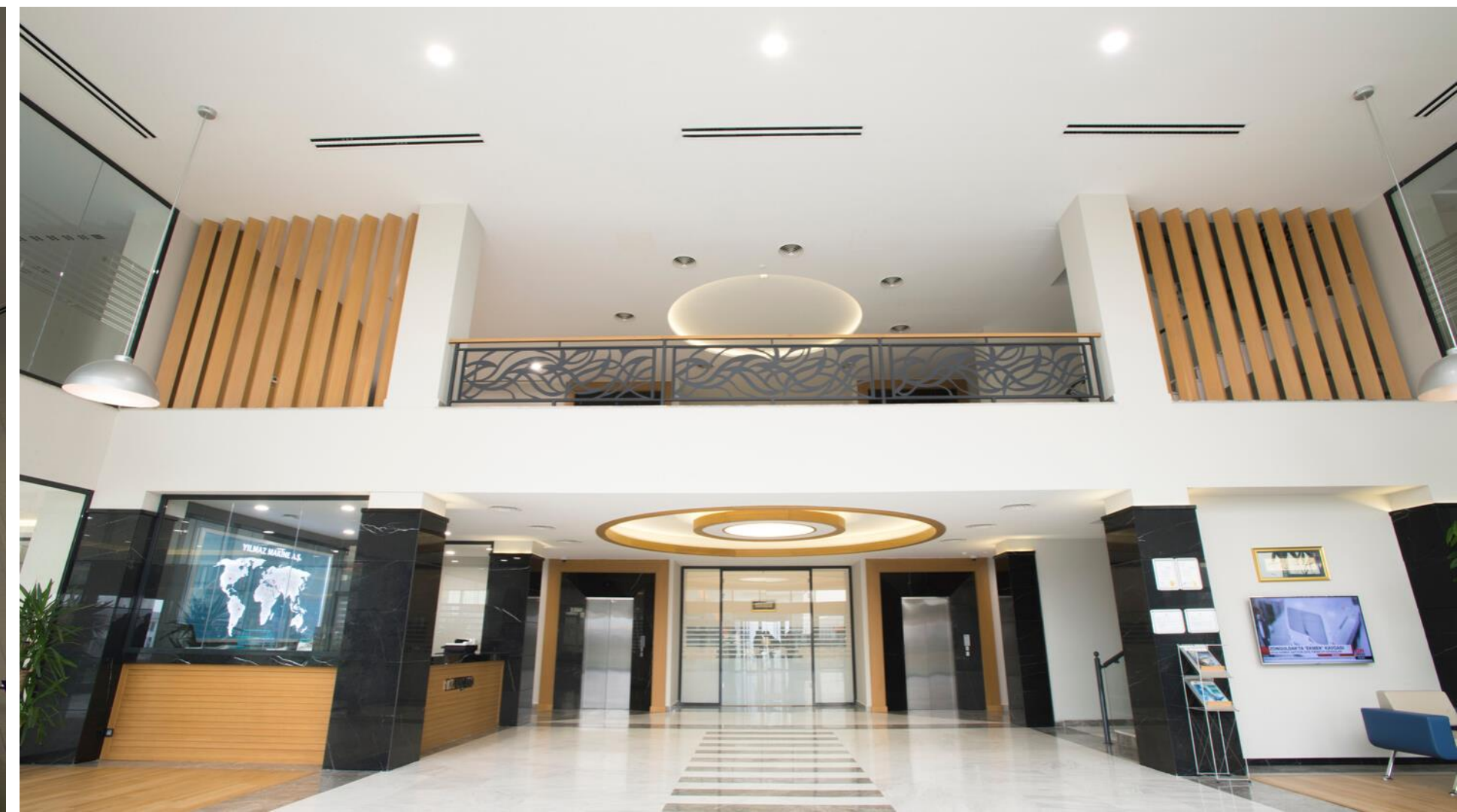
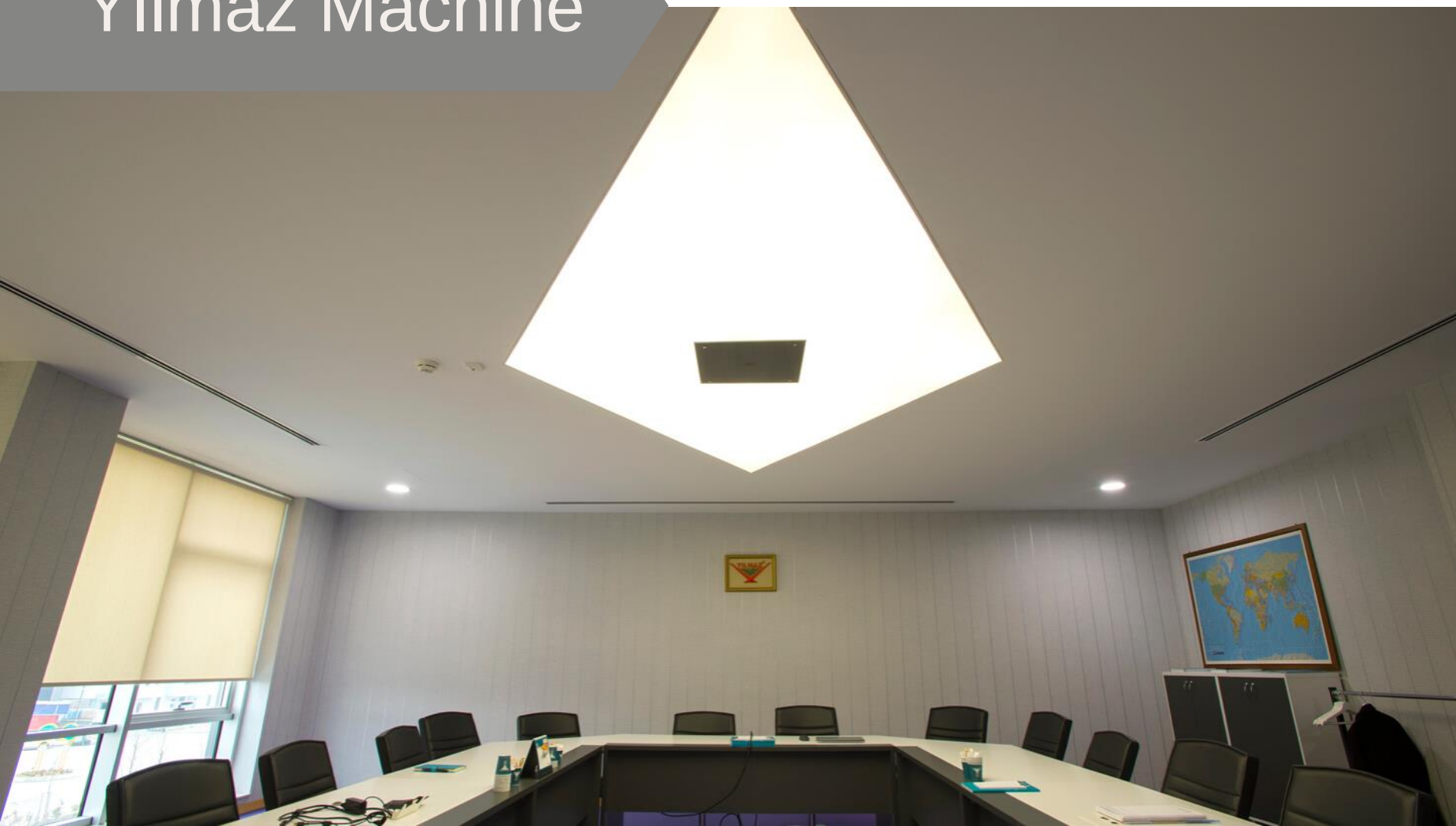


Molu Jewellery





Yılmaz Machine





Gebze Technical University



OSMANLI
MAKINA

İSTANBUL
ANADOLU YAKASI
ORGANİZE SANAYİ BÖLGESİ

IAYOSB & IMES Industrial Zone





Gaziantep
Koçak Baklava



Products



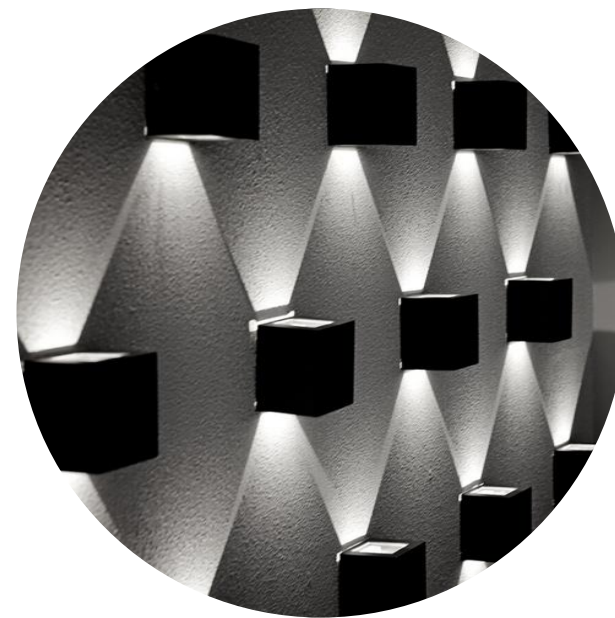
Indoor Lighting



**Street & Outdoor
Lighting**



Industrial Lighting



Decorative Lighting



Marine Lighting

Smart Solutions

Smart Lighting

- Photocell Controlled
- 0-100 Dim
- Suitable for special requests

Internall Speaker

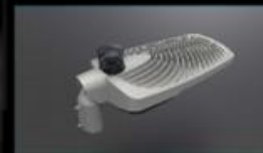
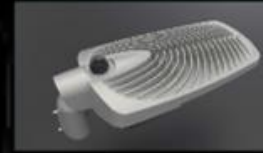
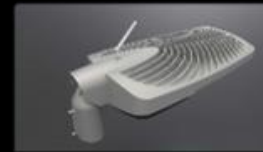
- Anouncemet / Music
- Alarm/ Siren

Visual Detection

- Zoom
- Parking Sensor
- Security

Digital Board

- Trafic Jam
- Advertisement
- City Map
- Special Request

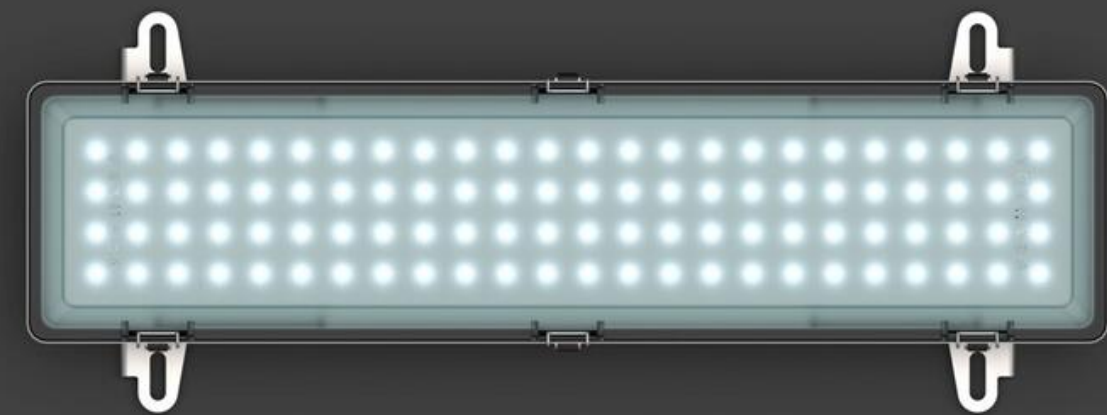
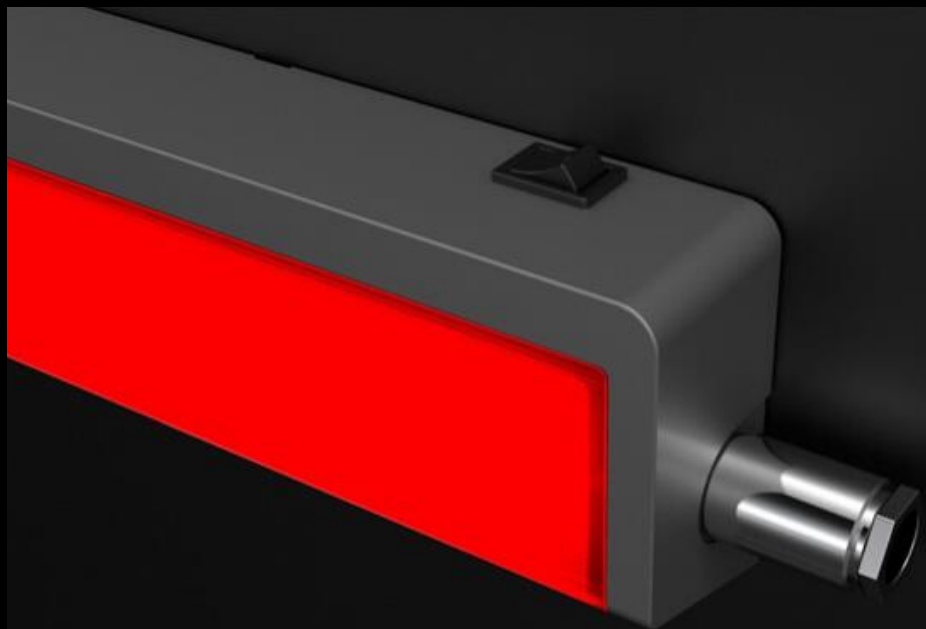
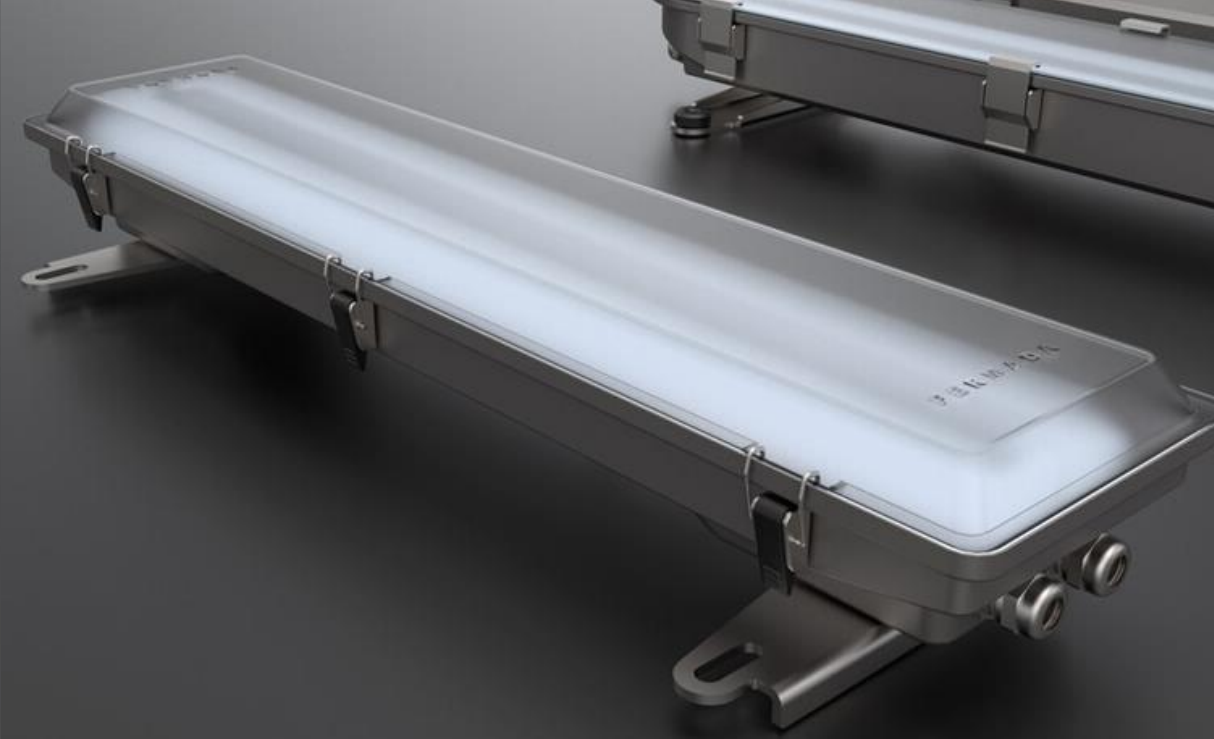


#Safe-Ex Ex-Proof



- Oil and petroleum products refineries
- Mines
- Chemical manufacturing workshops
- Chemical product factories
- Paint workshops in the automotive industry
- Ammunition and gunpowder production facilities
- Crude oil and gas pumping plants (indoor applications)
- Aircraft repair and maintenance hangars
- Ships carrying oil and liquefied gas
- Indoor areas where natural gas and LPG are used for heating
- Large dining areas
- Garbage renovation facilities

Marine Lighting





Green Zone (Grow Light)

References



ACIBADEM



ORTA DOĞU TEKNİK ÜNİVERSİTESİ
MIDDLE EAST TECHNICAL UNIVERSITY

Thank You



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