



Solutions for a sustainable future





We innovate, manufacture and integrate smart city solutions worldwide.

URBIO is a group of companies providing integrated professional services in the fields of Design, Street lighting, Smart City systems and renewable energy. It focuses on developing complete and customized solutions to meet the needs of its clients.

URBIO develops revolutionary solutions for street lighting and Smart City systems, with the goal of responding to current community requirements and connecting to global trends by using artificial intelligence to improve urban life and increase infrastructure efficiency.

Founded in 2013, URBIO provides customized solutions to meet the specific needs of each community. As a leader in the public lighting and Smart City systems market in Romania, URBIO is an ideal choice for any community looking to improve its infrastructure and meet the challenges of the digital age.



Performance Professionalism Results

urbio-romania.ro

We have always focused all of our efforts on providing viable, long-term, and intelligent solutions to our clients. As a result, we have become a market leader in our industry, with over 400.000 lighting luminaires sold.

We are proud to be recognized as a trusted partner who provides comprehensive and personalized solutions.

We provide integrated services, from initial planning to implementation and management by combining our expertise in several fields.



> 70

Telemangement Systems

> 550

Public lighting projects

> 400.000

Luminaires

Brief history

2013

Urbio START

First upgraded 200
lighting systems

2018

Urbio Mesina lighting
appliance launch.
Opening a new
production unit

2019

Over 500 upgraded
lighting systems

2020

2022

NEOS smart city
solution launch



High Quality

Our commitment to quality is reflected by the equipment we manufacture. Our products are subject to stringent quality requirements, and we are licensed to use the conformity mark by an accredited EU body, adhering to the guidelines of SR EN ISO/IEC 17065:2013.

Our dedication to quality is further evidenced by the over 50 quality certificates we have received, attesting to the fact that our equipment meets the highest standards of quality and safety. Our mission is to provide cutting-edge solutions that fulfill the needs of our customers while adhering to international quality and safety standards. As such, we constantly strive to develop innovative products based on the best practices in our industry.



9001



14001



27001



45001

Urbio is certified according to ISO 9001 for quality management, ISO 14001 for environmental management, ISO 27001 for information security management, ISO 45001 for occupational safety management.

These certifications demonstrate our dedication to delivering products and services that meet the highest standards of quality while remaining responsible and sustainable.



As a member of TALQ, Urbio is actively involved in shaping the future of smart cities. The TALQ consortium has established a universally recognized standard for smart city device networks, and Urbio's participation in this organization demonstrates the commitment to developing solutions that adhere to this standard.



Urbio supports the Association of Public Administrators of Romania (AAPRO), a non-profit professional organization comprised of appointed public administrators. By aligning with AAPRO, Urbio gains insight into the specific needs of public administrations and can propose effective solutions to meet those needs.



Urbio has the authorization from the National Energy Regulatory Authority to design and carry out electrical installations with voltages of up to 20 kV (C1A - C2A). This recognition highlights Urbio's technical expertise and the ability to provide safe and reliable electrical solutions in compliance with established regulations.



As a member of CNRI, Urbio is committed to advancing the interests of the lighting sector in Romania and contributing to the development of sustainable lighting solutions. By working alongside other members of CNRI, Urbio gains valuable insights into the latest trends and best practices in the lighting industry.



LED Luminaires

Urbio is a certified manufacturer of LED luminaires, with production taking place at our factory in Moreni, located in Dâmbovița County. Equipped with state-of-the-art technology, our factory has an annual production capacity of over 100,000 luminalires.

At Urbio, we are committed to using environmentally friendly and sustainable materials in our production processes.



TEQ Smart City

Urbio has its own research and development department, known as TEQ. This department is dedicated to continuously developing innovative solutions to address various issues related to overcrowding, energy consumption, and resource management.

Through TEQ, Urbio is able to offer customized public lighting solutions and Smart City systems adapted to all the needs.



Technical Design

Urbio has consolidated its design and technical support division to offer comprehensive and complex energy services that cater to the needs of large public and private sector electricity consumers. Our division provides customized solutions that are tailored to meet the unique requirements of each client.

Our team of specialists in the field offers quality technical assistance throughout the entire process, from the design stage to the implementation of solutions.



Renewable energy

Urbio is committed to designing, distributing, and implementing renewable energy solutions that play a crucial role in addressing climate challenges and promoting a sustainable future.

By promoting the use of renewable energy sources, Urbio contributes in a significant way to mitigate the impact of climate change and create a more sustainable future for all.



Led lighting manufacturer

Urbio provides end-to-end solutions for public lighting, from design and production to implementation and management of lighting systems. We manufacture our high-quality luminaires at our factory in Moreni, which undergoes rigorous testing and quality checks to ensure product reliability.

As the smart city concept continues to evolve, Urbio has integrated the NEOS remote management platform into our lighting solutions. This enables efficient and centralized management of lighting systems, which helps to improve overall system performance and reduce maintenance costs. With Urbio's lighting solutions, cities and municipalities can benefit from enhanced public safety, reduced energy consumption, and improved quality of life for their citizens.



Urbio is a certified manufacturer of LED luminaires

To ensure high-quality and reliable products, our factory in Moreni is equipped with modern production lines that leverage the latest manufacturing technologies.

The factory's facilities include:

- LED planting line: SMD,
- production line for metal fabrications,
- production workshop for lighting points
- cable and conductor processing line,
- photometry laboratory
- apparatus endurance testing laboratory

Urbio uses LED technology to develop unique luminaire designs.

Thus, the Messina, Antara, Nova, Aris and Agora brands have been created for street, pedestrian and ornamental lighting.

The luminaires have unique model housings, designed by Urbio, with multi-applicable ENEC+ certification and high luminous efficacy of over 160 lm/W.

Led lighting product family





Smart City

In the digital age, smart village and smart city are core concepts that increasingly define the communities we live in.

Innovation and development, made possible in the digital age, are reflecting all aspects of life and so we are constantly developing new ways of tackling problems of overcrowding, energy consumption and resource management.



Research and Development Department - URBIO TEQ

URBIO's Research and Development Department, known as URBIO TEQ, is dedicated to innovation, research, and technology development for both software and hardware.

The goal is to develop and integrate smart city solutions that address the needs of citizens and communities. Through a rigorous research process spanning over three years, URBIO TEQ has developed innovative and impactful solutions with a systemic methodology.

These solutions are designed to enhance the quality of life for citizens, improve urban sustainability, and promote economic growth.

Methodology. Experts. Results.

Control



Our innovative digital system, with its intelligent approach and openness to artificial intelligence, enables us to predict and ensure the success of our work and results.

Urbio TEQ



Our dedicated research and development department uses a unique systems research methodology to ensure continuous development and improvement.

Integrated Services



We ensure the success of each project by providing a unique, advanced infrastructure that is continuously developed from the beginning to the end of the project.

Multidisciplinary team



Our multidisciplinary team of specialists adheres to international performance standards to ensure the highest level of quality in our work.

NEOS Smart City Make it smart



Native apps



With the increasing demand for smart solutions to urban challenges such as overcrowding, energy consumption, and resource management, Urbio is actively participating in the development of innovative solutions through its NEOS platform.

NEOS Smart City is an ecosystem of smart products including Neos Lighting, Neos Smart Pole, Neos Smart Bench, and Neos Smart Bus Station, designed to improve efficiency and quality of life in cities.

These solutions can be integrated into existing urban infrastructure and offer multiple smart services - street lighting, wireless connectivity, and environmental monitoring. Neos Smart City provides sustainable solutions to urban challenges.



NEOS

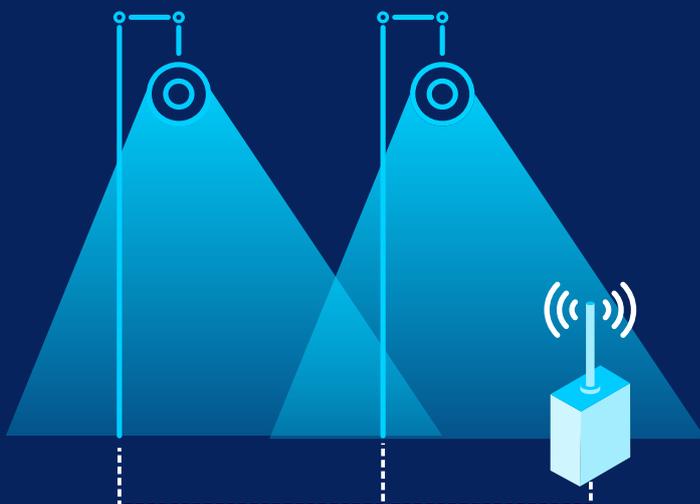
Neos Lighting

NEOS Lighting reduces electricity consumption

NEOS Lighting is a cutting-edge remote management solution that is adaptable to any location, providing versatile and effective methods for administering the public lighting.



PREDICTNET



Patented communication protocol

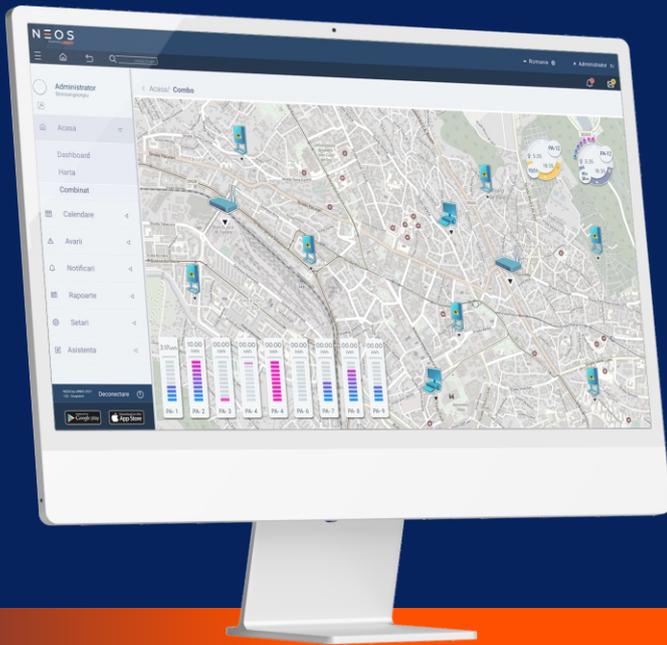
The Neos Lighting solution features a patented communication protocol and modular hardware architecture that utilizes two communication types: LoRa radio frequency and HSPLC cable. This unique architecture, combined with the patented PredictNet protocol, ensures secure, autonomous, and predictable communication.

The flexibility of this solution allows it to be used even in areas without an internet signal or network.

Neos Lighting can be integrated into existing infrastructure without incurring additional installation costs and without generating communication costs.

NEOS Lighting has the ability to control, monitor, measure and manage the optimal operation of the public lighting network and of each luminaire in the network, with significant reductions in electricity consumption and therefore costs.

NEOS is a highly scalable and adaptable solution that can be customized to suit the needs of any community, regardless of its size or geographical location. It operates autonomously and independently of any network connection and is available for use with any operating system, from both mobile and stationary terminals.



Neos android, iOS and web.



Arhitectural Lighting



Special Zones



Festive Lighthing

CONTROL



ON/OFF

Remote lighting on/off



Programming

Setting up operating programs



Dimming

Luminous flux adjustment



PC & Phone

Available via Android, iOS and web apps

MONITOR



Alerts

SMS or email automatically sent



Reports

Consumption and notifications display



Statistics

Graphical display of recorded values



Anti - Tehft

Combating electricity theft from the grid

EFFICIENCY



Consumption

Decrease in electric consumption



Invoice

Lower the electricity bill



Environment

Reducing the level of Co2 emi



Costs

Neos Lighting does not generate additional costs for data transmission



Technical Design

Urbio has merged its devoted and professional technical design division in order to support the integrated and complicated energy solutions required by our Beneficiaries as well as to satisfy the demand of huge electricity consumers in the public and private sector.

Integrated solutions. We stand by our Beneficiaries delivering technical design services for all the necessary phases, including 360 degree technical support from idea to turnkey project.

Stages in the technical design process

Step 1

Concept note

Step 2

Design theme

Step 3

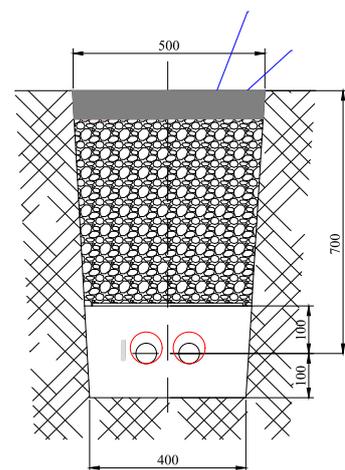
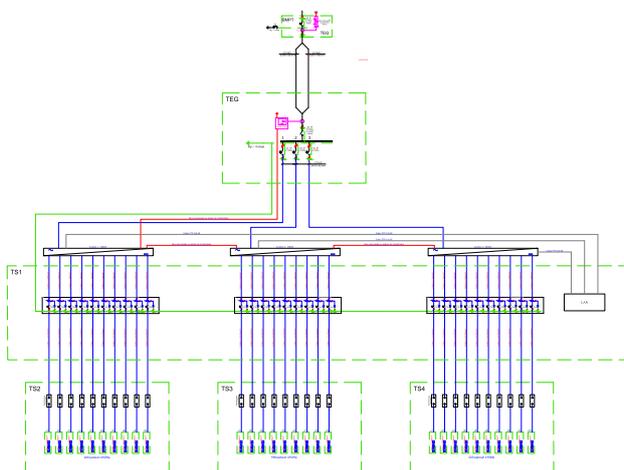
Pre-feasibility study

Step 4

Feasibility study

Step 5

Necessary Documentation





Made to measure

We have built our reputation through a multidisciplinary and integrated approach to each project.

We understand each community's problems through the information we gather to provide customized and effective solutions.



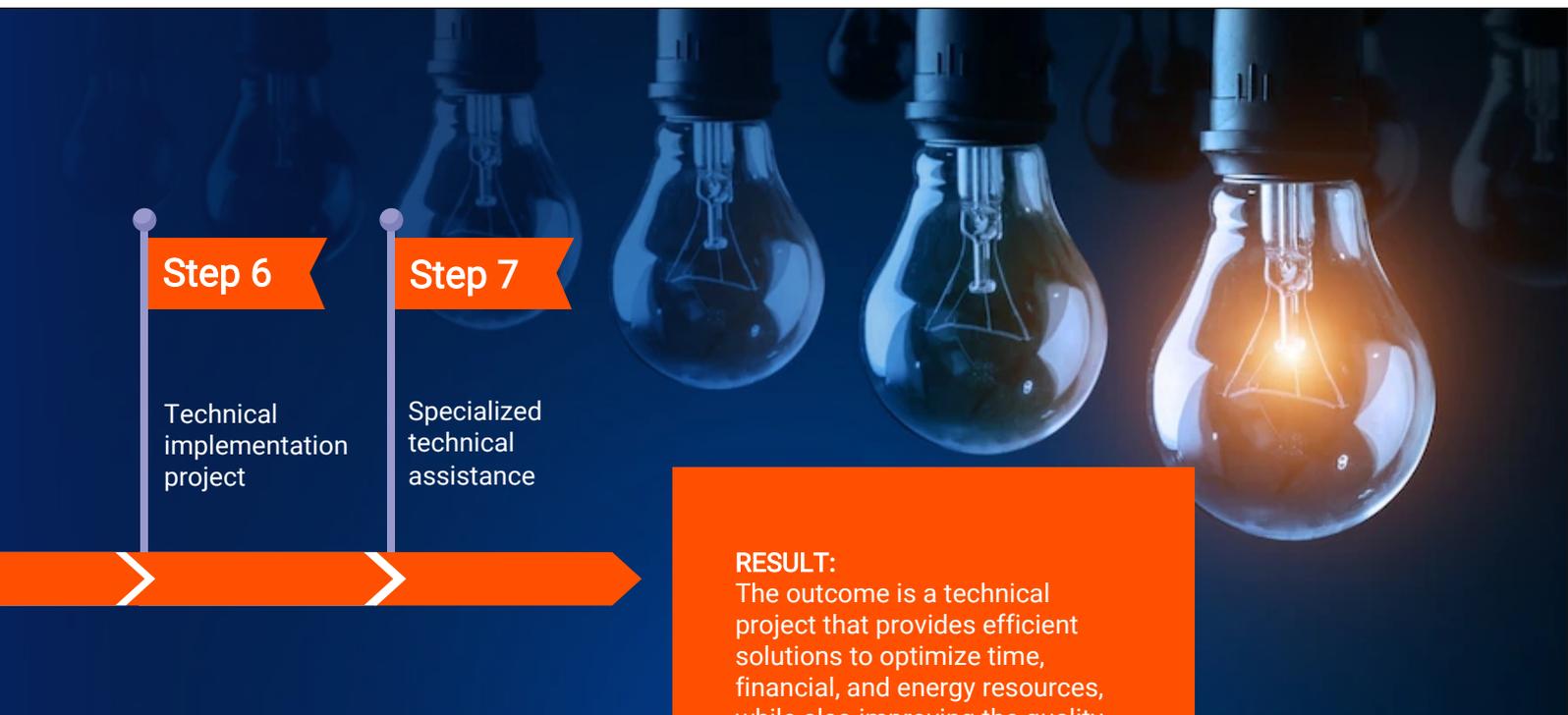
On Time

Our clients' needs require a personalized approach. We respond to specific challenges as a multi-disciplinary team of specialists who react quickly and efficiently, meeting commitments.



Technology

Our dedication to innovation and development drives us to use cutting-edge technology. We prioritize staying up-to-date with the latest advancements by providing continuous training programs for our team.



Step 6

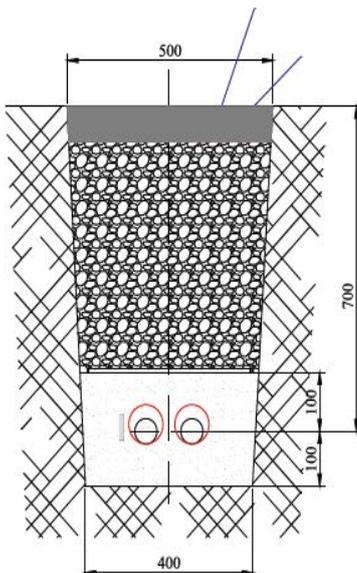
Technical implementation project

Step 7

Specialized technical assistance

RESULT:

The outcome is a technical project that provides efficient solutions to optimize time, financial, and energy resources, while also improving the quality of life for the community being served.



References

- > Energy awareness of the public lighting system in Targoviste;
- > Increasing energy efficiency and expanding the public lighting system in Roman
- > Increasing the energy efficiency of the public lighting system in Bârlad;
- > Establishment of photovoltaic park in Pielești , Dolj ;
- > Construction of a photovoltaic power plant in Pochidia , Vaslui.

Renewable energy



The promotion of renewable energy sources (RES-E) for electricity generation is a crucial goal of the present era, driven by the need for environmental conservation, greater energy independence through diversified energy sources, as well as economic and social cohesion.

For 2030, the European Union has set a number of targets for the fight against climate change, i.e. moving towards a

low-carbon energy system (40% reduction in CO2 emissions), and increasing resilience to climate change.

Energy dependency and climate change are common concerns of both the European Union and Romania, with policies adopted at national level having an effect on local government and individual citizens.

In the current national and international context, Urbio provides specialized services to our clients for the technical design and implementation of projects aimed at establishing and developing renewable energy production capacities. In a time of rapid technological advancement, we prioritize staying up to date with the latest technologies, in order to provide cutting-edge solutions to our clients.



Solar Power



Wind Power



Bioenergy



Biogas



Hydrogen

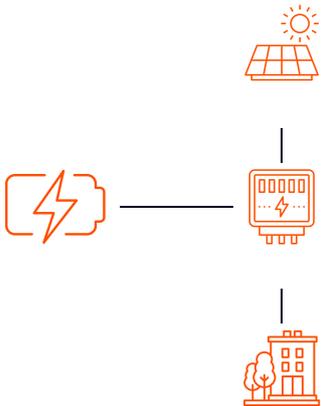
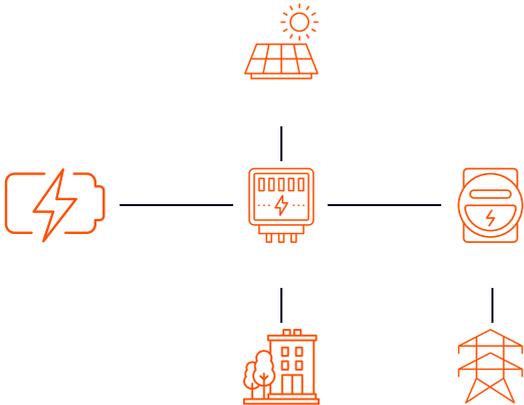


Urbio designs, distributes and implements renewable energy solutions, supporting a sustainable future for generations to come.

URBIO offers a wide range of on-grid and off-grid systems, which can provide generation to match electricity needs and offer energy independence.

ON Grid Solution

On-grid photo-voltaic systems are those electricity generation systems connected to the national electricity distribution system (NES). By injecting the energy produced into the national energy system, they offset their own consumption and thus achieve energy independence.



Off Grid Solution

Off-grid photovoltaic systems are the ideal solution for consumers located in places with limited possibilities to connect to the national energy system. The electricity produced is used exclusively to supply local consumers.





Brands

NEOS **KAMSENS** **PREDICTNET**
MESINA **ANTARA** **ARIS** **NOVA** **AGORA**

Headquarters

T/ 0232 214014

E/ office@urbio-romania.ro

A/ Str. Gavriil Musicescu 6, Iași

Production

T/ 0232 214 014

E/ office@urbio-romania.ro

A/ Parcul Industrial Moreni
Str. Islaz Teiș, Jud. Dâmbovița

www.urbio-romania.ro

Copyright © Urbioled S.R.L. 2022. All rights reserved. Unique registration code: RO32614831, NR: J22/1956/2016

The information, descriptions and illustrations presented in this material are for informational purposes only and may undergo modifications and updates due to continuous innovation. We therefore reserve the right to update this material without prior notification. For the security of viewing updated material, please contact us. The information presented in this material is not of a commercial nature and does not form part of a firm offer and is provided without warranty unless otherwise stated by Urbioled Ltd.