

# COMPANY PROFILE

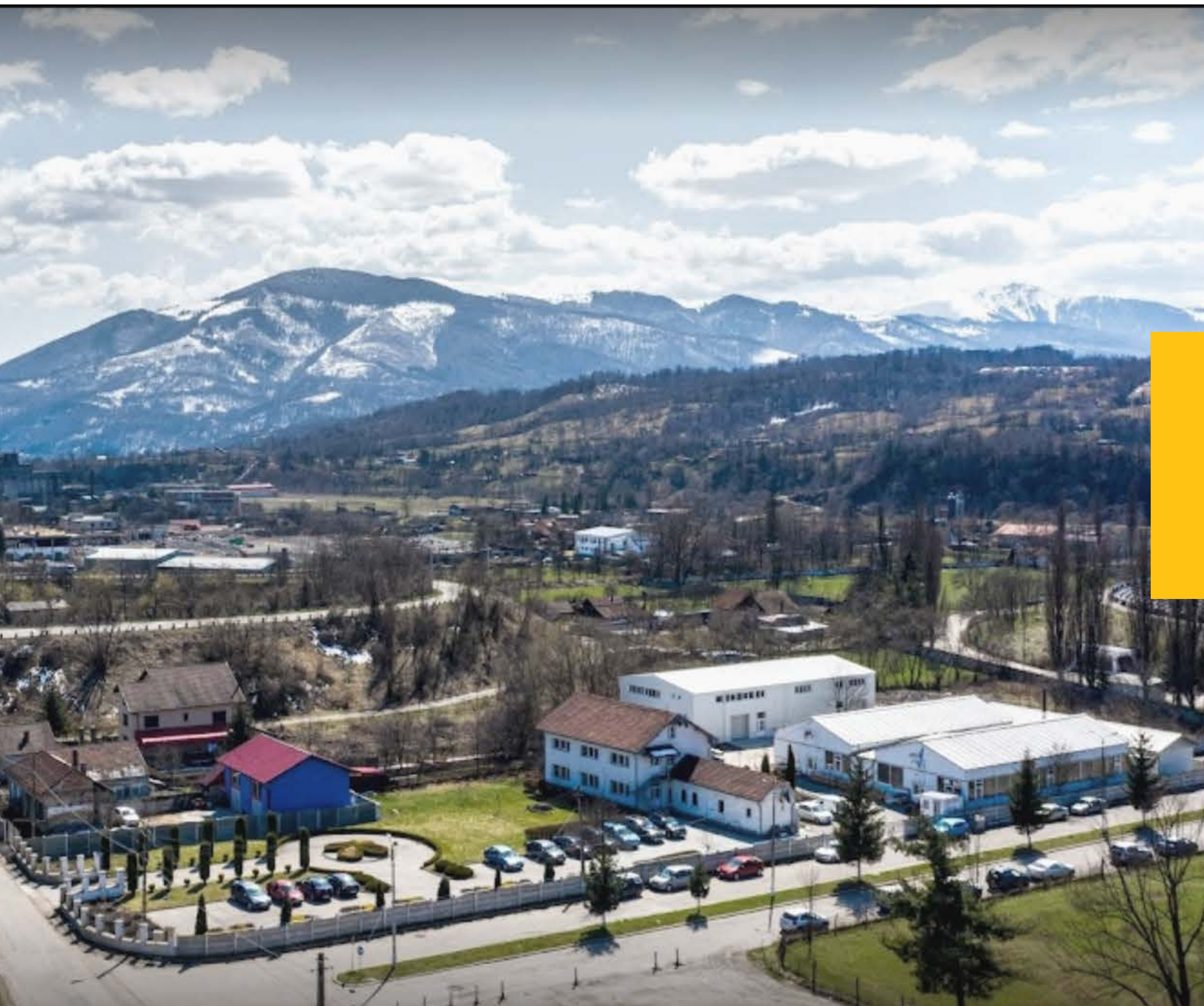
We design and manufacture innovative aviation lighting systems.



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# ABOUT OUR COMPANY

**60**  
employess

**25**  
years in business

**Thousands**  
of happy customers

SIGNALIGHT is a brand developed by the ELECTROMAX and aims exclusively the business line of product and lighting solutions for airports, heliports and obstructions. Our products are made in our production facility in Petrosani, Romania. We use OSRAM certified quality LED lighting, manufactured in-house, together with high quality materials. Our facility is equipped with the latest technologies for lighting design, manufacturing and testing, including electronic design, optical solutions, thermal and mechanical simulations, photometry testing and many more.



Our policies on innovation and development guide us to smarter, safer and more sustainable choices for you.



## INNOVATION AWARD WINNER 2023

GSE Category

<https://www.signalight.com/categories/portable-lighting/>



**POLARIS 2.0**



## INNOVATION AWARD WINNER 2021

GSE Category

<https://www.signalight.com/categories/airport-lighting/>



**VISTA SYSTEM**

## WHAT WE DO



**AIRPORT LIGHTING**



**HELIPORT  
LIGHTING**



**OBSTRUCTION  
LIGHTING**



**PORTABLE  
LIGHTING**

# OUR VALUES

The field of lighting products for airports, heliports and beacons involves compliance with international standards and maximum safety, which is why the values that SIGNALIGHT brand emphasizes are:

**1****QUALITY**

We have developed unique functionalities for lighting products, tested in the most difficult conditions on the Globe.

**2****RELIABILITY**

We ensure maximum efficiency using our products.

**3****DEDICATION**

We provide our clients with full support for choosing the most suitable solutions and integrating our products into their requirements.

**4****RESPONSIBILITY**

The lighting products are designed and made according to the international standards in the field and the testing of each product is extremely rigorous, keeping in mind the fundamental purpose: the safety of people, assets and environment.

**5****INTEGRITY**

is our way of developing successful businesses and solid, long-term partnerships.



# OUR PROJECTS

Having a long professional experience in designing and manufacturing high power LED lighting systems, we developed long term partnership and projects worldwide.







## SVALBARD AIRPORT

The most northern airport in the world with scheduled public flights.

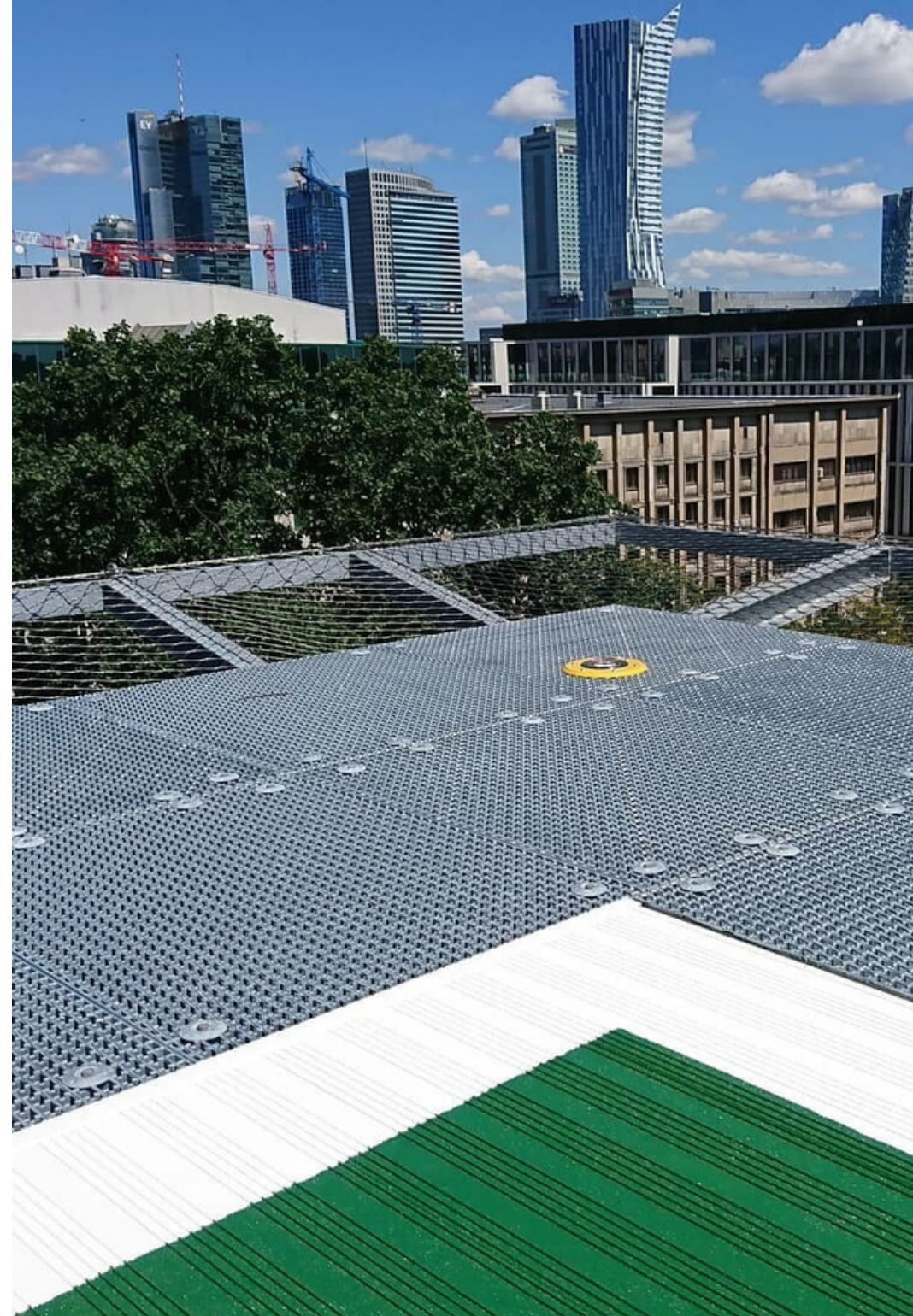






## HOSPITAL KLINICZNY DZIECIĄTKA JEZUS

Hospital Kliniczny Dzieciatka Jezus is a hospital & health care company based in Warsaw, Poland.







## High voltage network pylons

This system includes a medium intensity light, type B, on top of the pillar and two low intensity obstruction lights on the arms of the pillar.

The lights are powered in 12 V from a solar system. The client requested the solar system to be redundant so we have two separate solar systems, each one with a battery of 30 A and a photovoltaic panel of 50 W. There is an electronic measuring battery voltage and switching between the batteries depending on charging level.



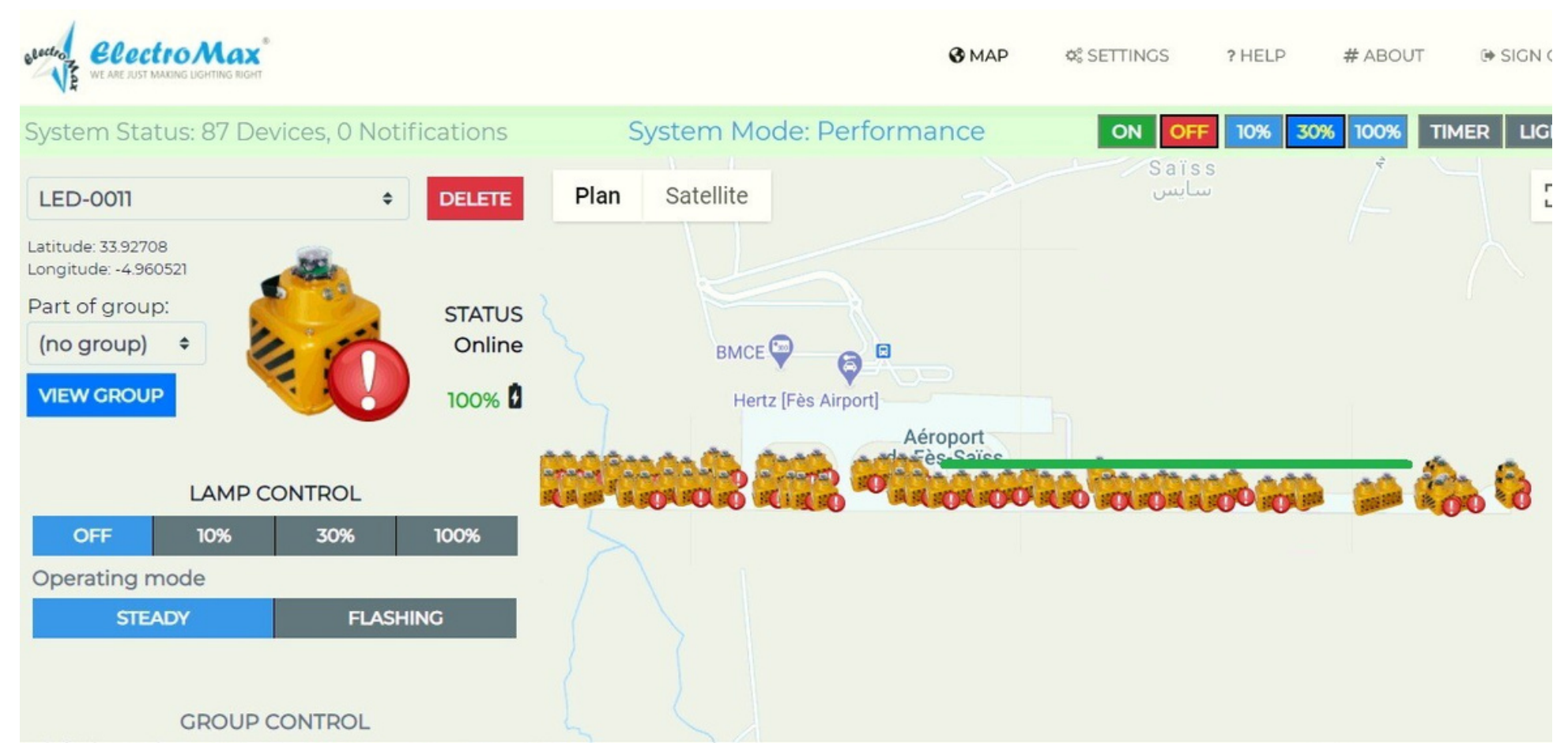




## Portable Lights System Fès–Saïs Airport Morocco

Fez Saïss Airport (IATA: FEZ, ICAO: GMFF) is an international airport serving Fez, the second largest city in Morocco after Casablanca.

We used 130 solar powered portable light for the runway edge, threshold and end light.







## Lac La Biche Airport

A complete VISTA system was delivered for Lac La Biche Airport.

We are proud to bring innovation to our clients through our Vista system awarded with Innovation Award at Inter Airport Europe.

The system is made with low intensity lights powered in constant current, in a serial circuit.







## SERENA DEL MAR HELIPORT COLOMBIA

Located on the north coast of Cartagena, Serena del Mar is a new planned city designed by the world's leading urban planners, architects and landscapers.





## OFFSHORE PLATFORM HELIPORT, BLACK SEA





# OUR EQUIPMENTS

## PICK&PLACE



## TURNING



## PRESSING



## PAINTING



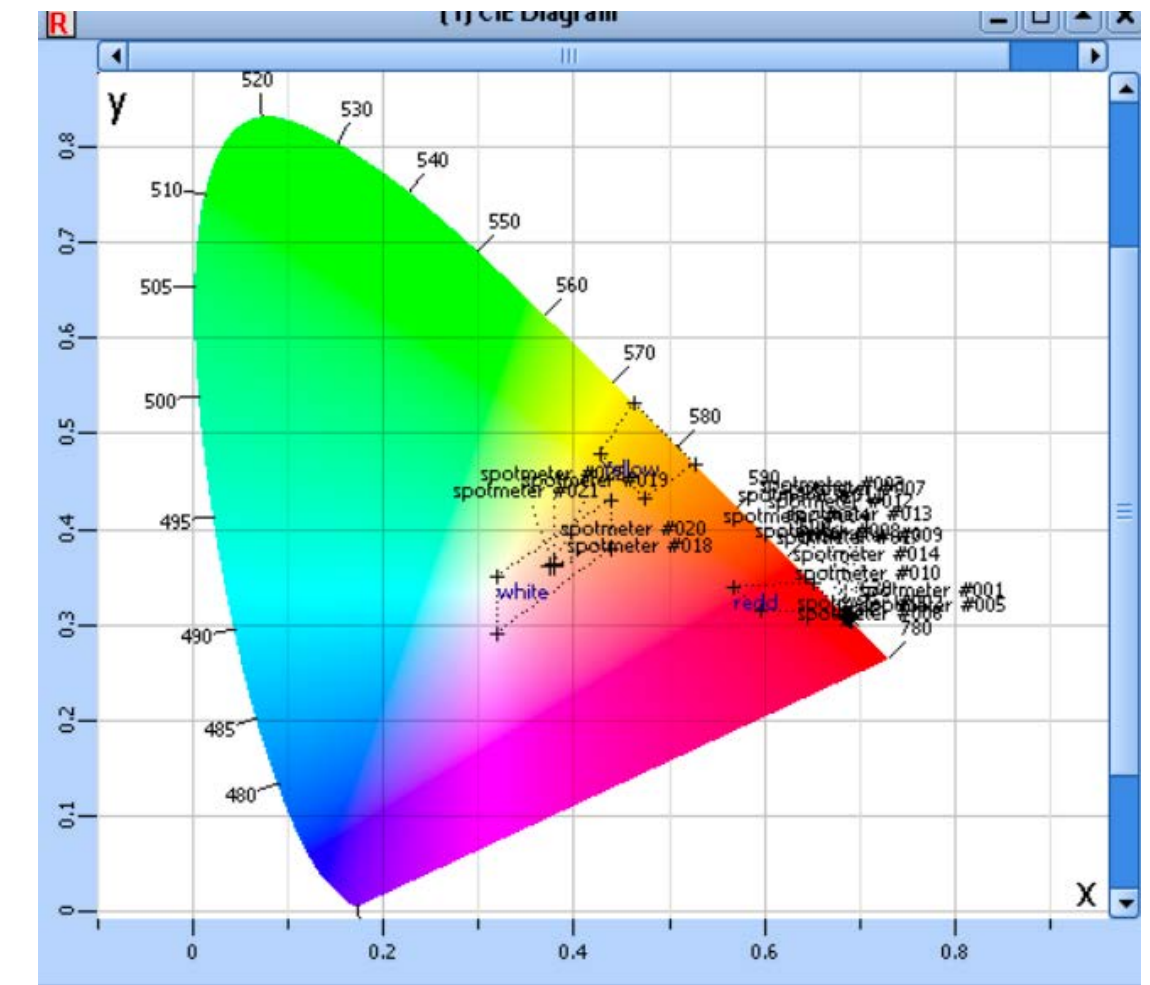
## CUTTING





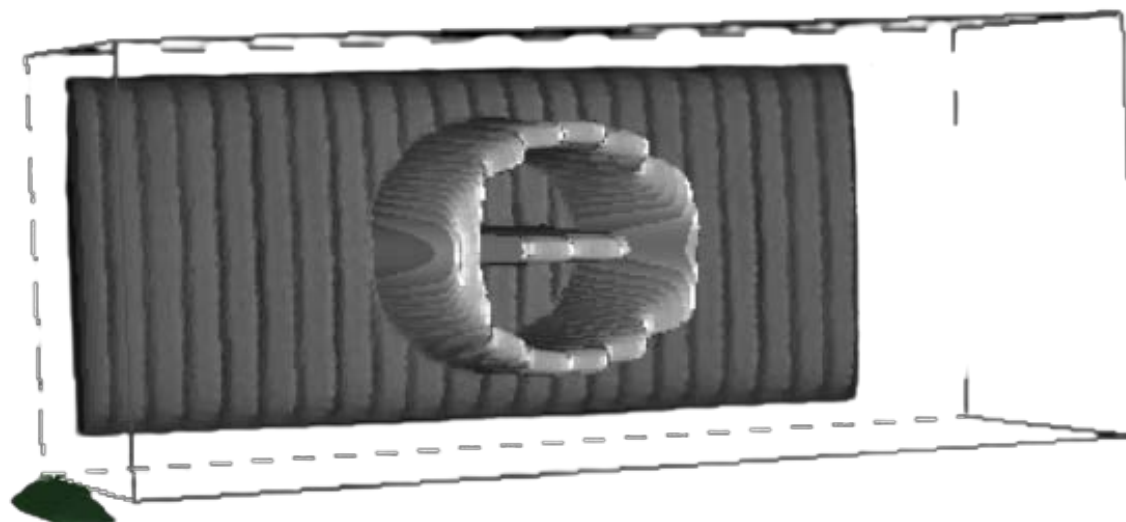
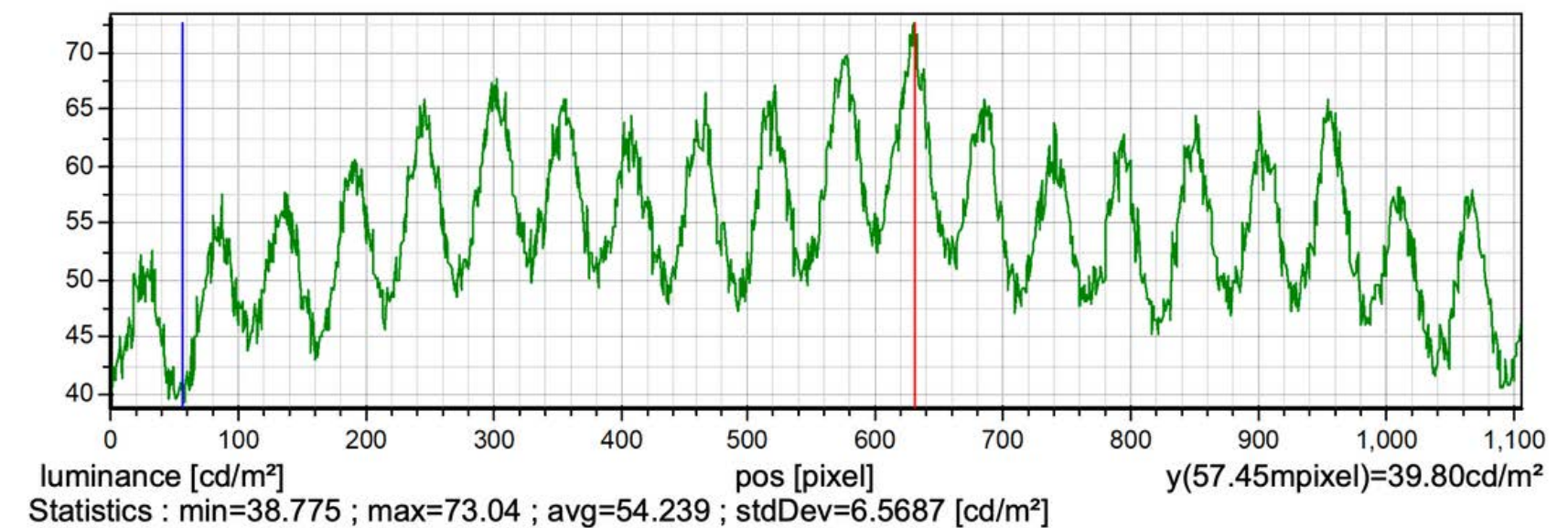


- Goniometer
- IR sensor
- Colorimetry
- Flickering
- Power Factor
- Luminancemeter
- Luxmeter
- Spectroradiometer
- CRI measurements
- CCT measurements



Luminance Profiles:

profile line #001





# OUR PRODUCTS



**Airport Lighting**



**Heliport Lighting**



**Obstruction Lighting**



**Portable Lighting**



## Legend

- Taxiway
- Approach
- Runway Edge
- Threshold/Runway End
- RTIL
- Runway Guard Light
- PAPI/ APAPI
- ▬ Windcone
- ← A Direction
- A 27 Location and Runway hold position

### • Taxiway



AL 105-02-BL

### • Approach



AL 101-03-WH

### ○● Runway Edge



AL 103-06-WH

### ● Threshold/End

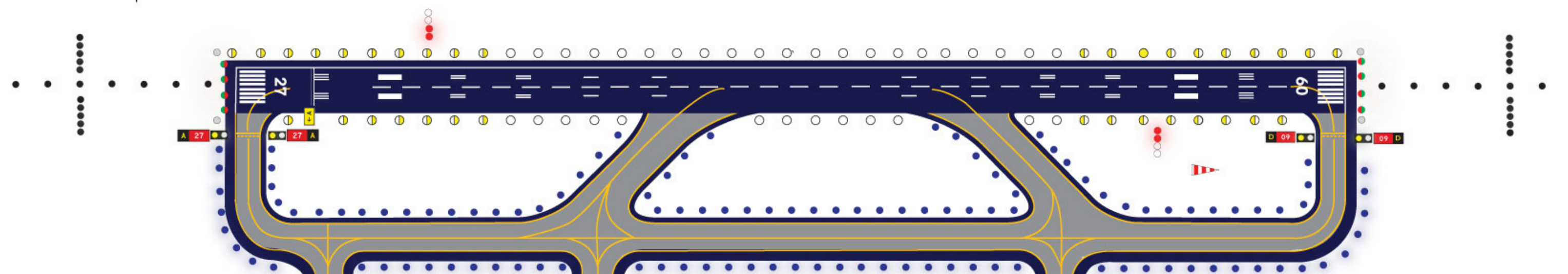


AL 104-04-GR/RE

### ● RTIL



AL-080-24-WH



### ■ Runway Guard Light


AL-026-48-XX  
(XX = RE or AM)

### • PAPI/ APAPI



AL 088-30-WH-RE

### ▬ Windcone



AL-081-XX

### ← A Direction



AL 070-XXX-XX

### A 27 Location and Runway hold position



AL 070-XXX-XX



## Other Products:

### TD/PM Circle-H



### Visual Alignment Guidance



### Flat

#### FATO



AL-071-04-WH-FD



AL-071-04-WH-F

#### TLOF



AL-073-03-GR-FD



AL-073-03-GR-F

#### Alignment



AL-072-03-WH-FD



AL-072-03-WH-F

#### Taxiway



AL-072-03-BL-FD



AL-072-03-BL-F

## Legend

- ⊗ FATO
- TLOF
- ⊘ Alignment

- ⊙ Approach
- Taxiway
- Beacon

- ⚓ Wincone
- ⬢ APAPI/HAPI/GPI
- Floodlights



## Products:

### Elevated

- TLOF
- ⊗ FATO
- Taxiway
- ⊙ Approach
- Aiming
- IR available



### Inset

- TLOF
- ⊗ FATO
- ⊘ Alignment
- Taxiway
- IR available



### Beacon



### Windcone



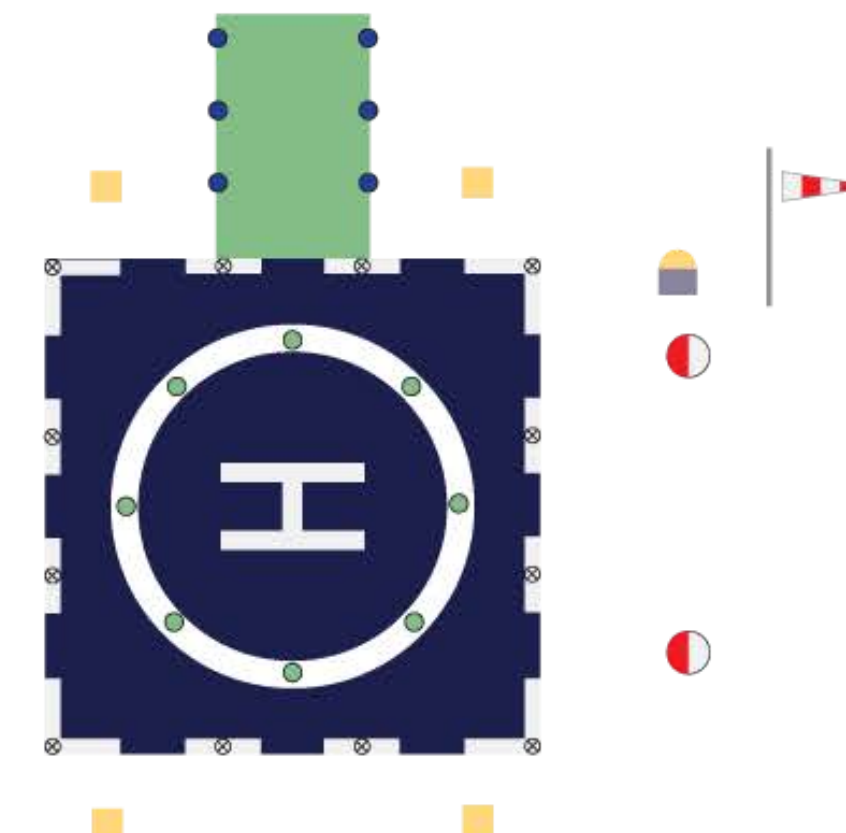
### APAPI/HAPI/GPI

- HAPI - Helicopter Approach Path Indicator
- APAPI - Abbreviated Precision Approach Path Indicator
- GPI - Glide path indicator

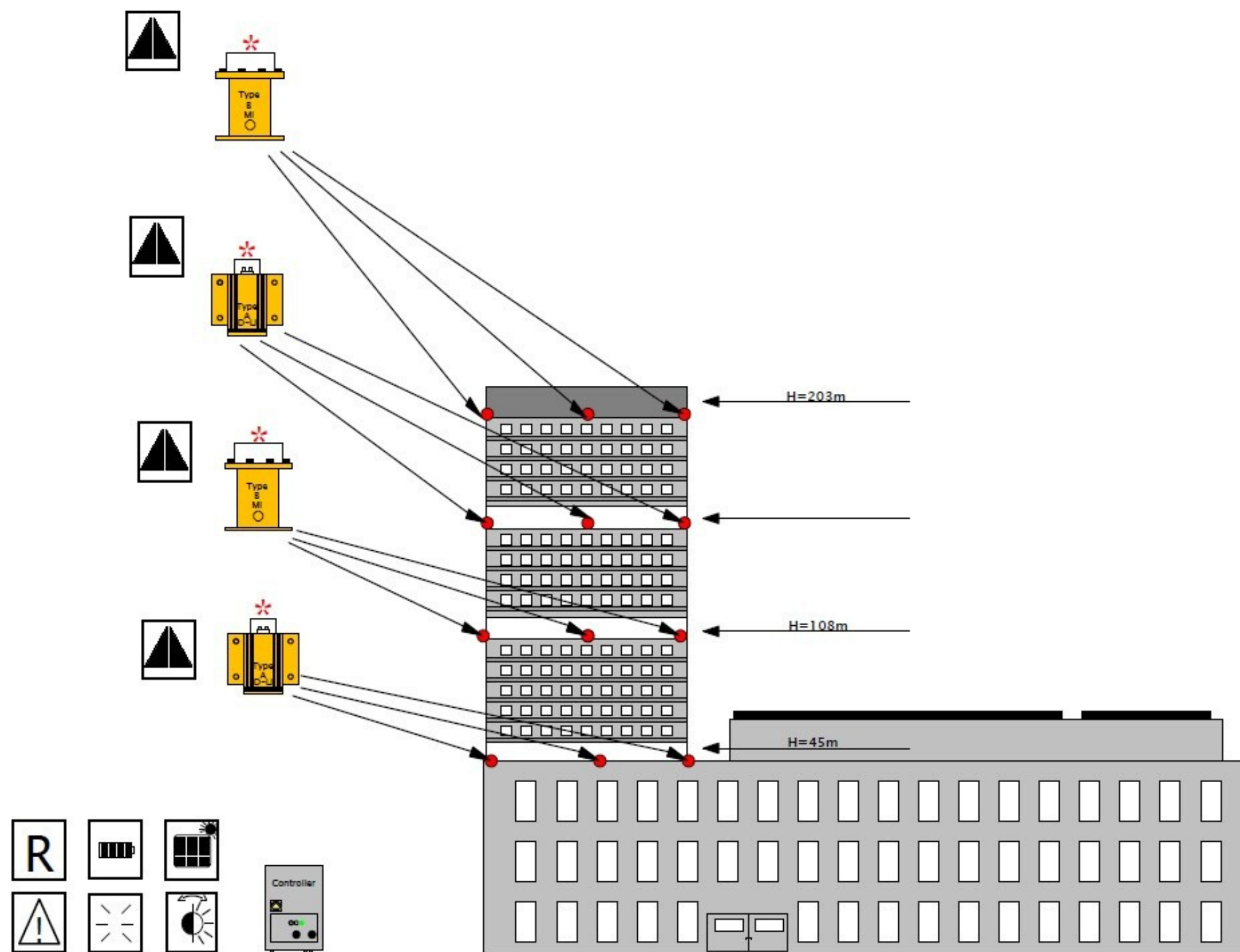


### Floodlights

- 60W
- 20W







*Options:*

-  -Solar charging
-  -Autonomy(min)
-  -Twilight Switch
-  -Flashing
-  - Redundance
-  -Failure alarm
-  -Twin



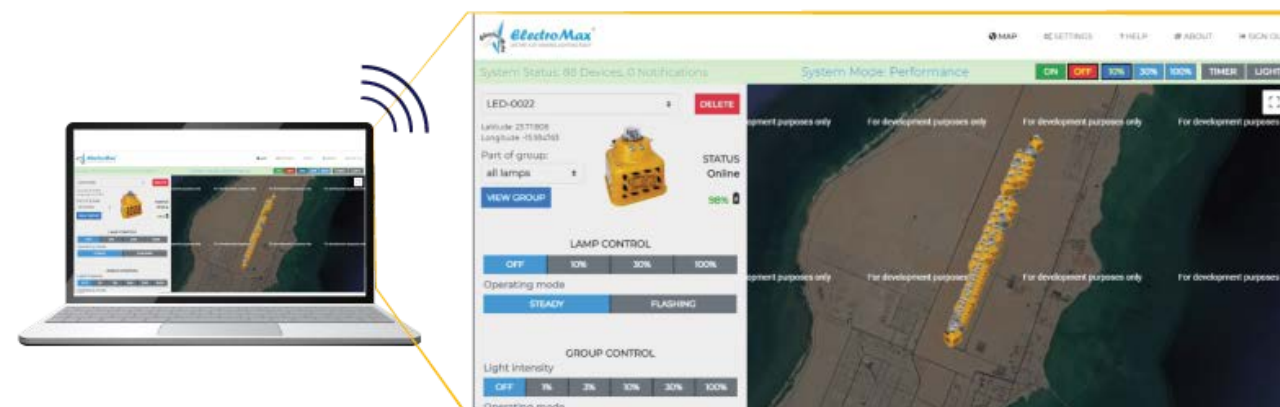


## Polaris- Portable lighting systems



### Control System

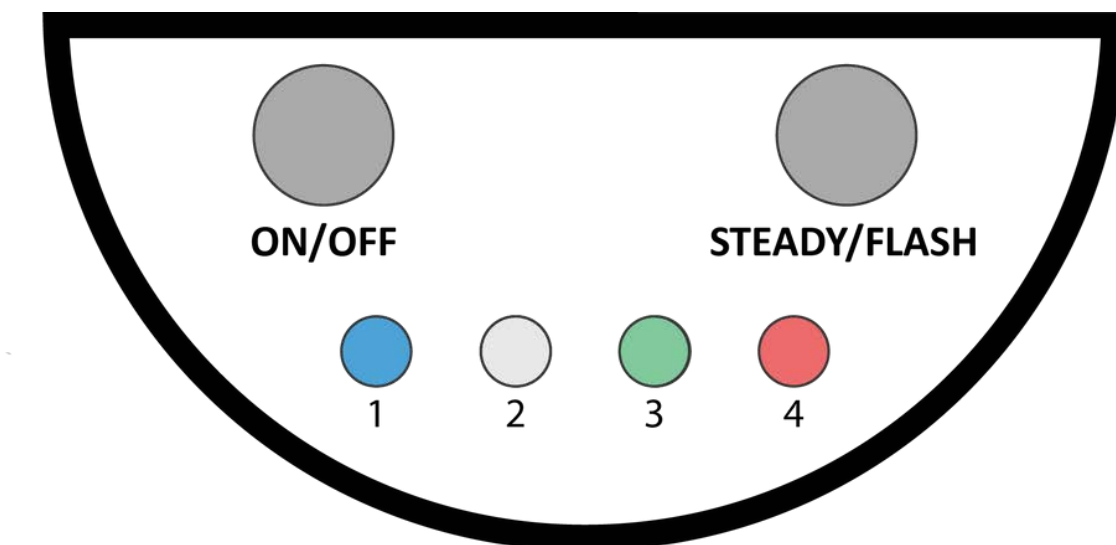
Bidirectional Radio Communication  
10 km range



### Battery Charging



### Battery Monitoring & Charging



1 - 1ST STAGE OF CHARGING  
2 - 2ND STAGE OF CHARGING

3 - FULLY CHARGED BATTERY  
4 - DISCHARGED BATTERY



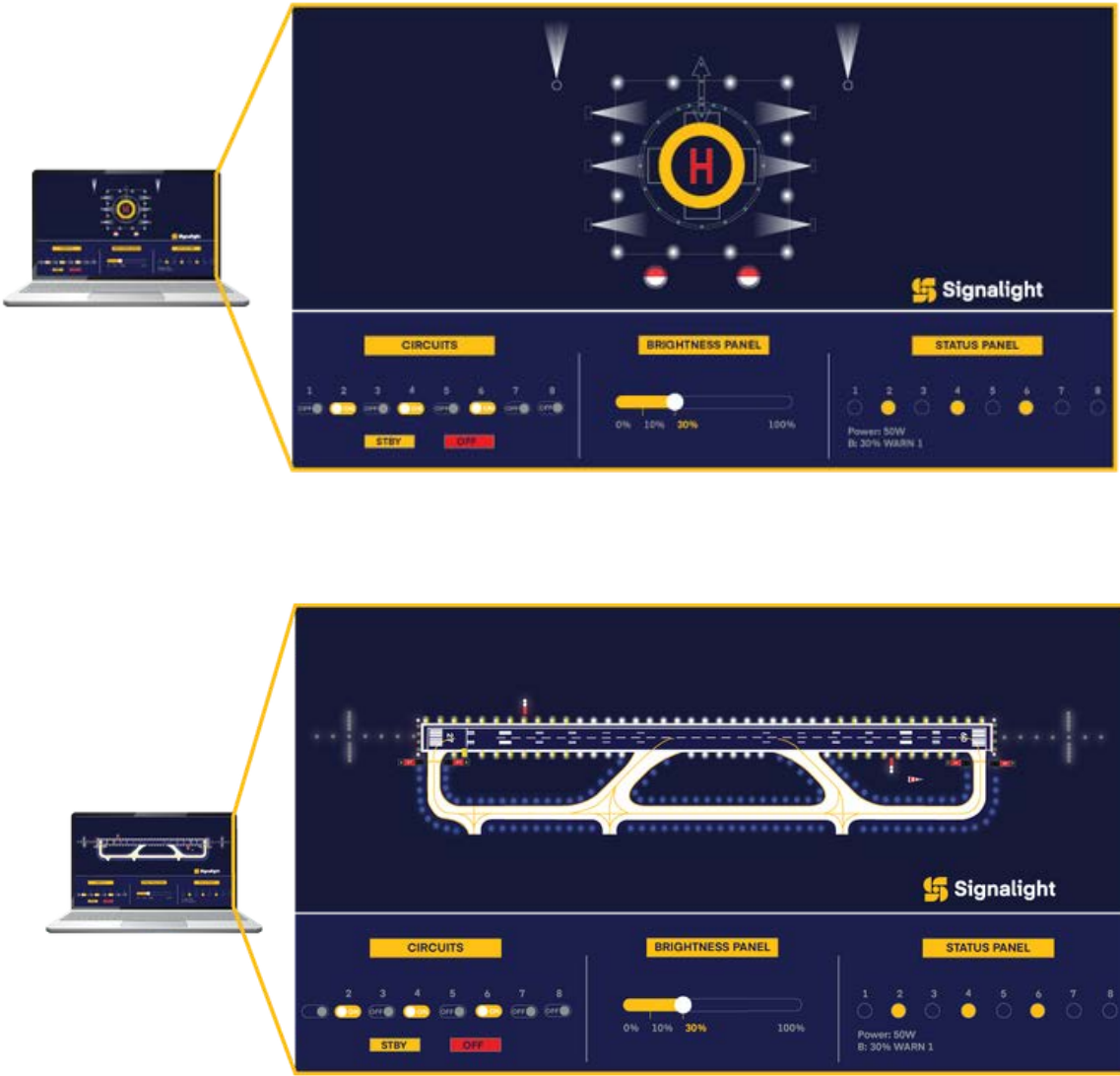
CONTROLLERS

- **Controller V3**  
AL-078-AX



- **Console Controller**  
AL-110-AX
- **Controller V2**  
AL-077-AX
- **Air-to-ground Radio Receiver**  
AL-118-AX
- **Basic Beacon Controller**  
AL-079-AX
- **Beacon Controller**  
AL-076-AX

SOFTWARE





# TIMELINE

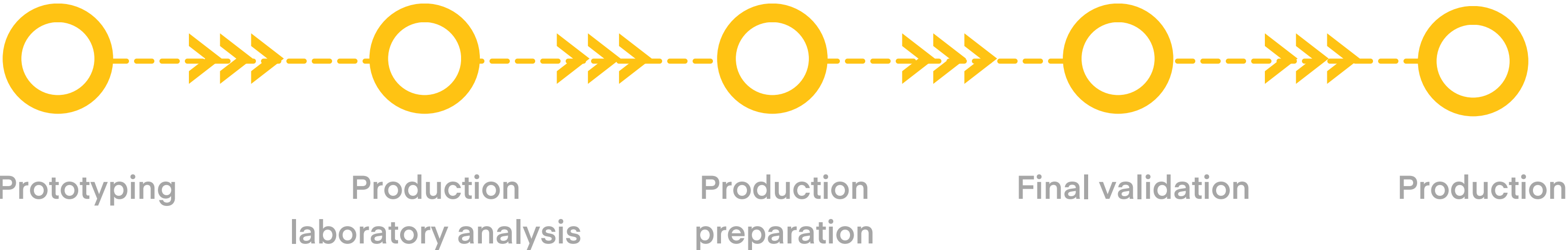
Our 22 years experience and our worldwide presence make us a trustful partner!



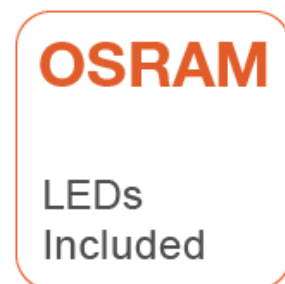


PROCESS

Over 25 years of experience with a full cycle production coverage.



## CERTIFICATIONS & COMPLIANCES



## PARTNERSHIP





**CertRom**  
CERTIFICATION BODY FOR MANAGEMENT SYSTEMS  
231A 13 Septembrie Road, BUCHAREST, ROMANIA, Phone: +40 214 102 589, Fax: +40 214 102 588 SR EN ISO/CEI 17021-1:2015  
E-mail: office@certrom.ro; Web: www.certrom.ro ACCREDITATION CERTIFICATE SM 025



accredited for  
CERTIFICATION

**CERTIFICATE**  
**CertRom**  
certifies the organization  
**ELECTRO MAX SRL**  
ROMANIA, PETROSANI, Lunca Street no. 36, Hunedoara County

which has implemented and maintains a  
**Management System**  
for the activities defined in the annex to the present certificate  
according to the requirements of

**SR EN ISO 9001:2015**

Date of initial certification: 15.11.2016  
Date of current certification: 14.11.2022  
Date of extension/restriction:  
This certificate is valid until: 13.11.2025

This certificate is valid only with the annex no 1 (1 page) and if the CertRom visa is applied to ascertain the accomplishment of the scheduled surveillances.

| SURVEILLANCE | I                  | II                 |
|--------------|--------------------|--------------------|
| DUE ON       | VISA<br>13.11.2023 | VISA<br>13.11.2024 |

Certificate identification data  
Identification code: 139072  
Date of issue: 14.11.2022  
Version: 02

General Manager CertRom,  
DINU Laurentiu-Mihai





**CertRom**  
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Date of current certification: 14.11.2022  
Date of extension/restriction:  
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| SURVEILLANCE | I                  | II                 |
|--------------|--------------------|--------------------|
| DUE ON       | VISA<br>13.11.2023 | VISA<br>13.11.2024 |

Certificate identification data  
Identification code: 418133  
Date of issue: 14.11.2022  
Version: 02

General Manager CertRom,  
DINU Laurentiu-Mihai





**CertRom**  
CERTIFICATION BODY FOR MANAGEMENT SYSTEMS  
231A 13 Septembrie Road, BUCHAREST, ROMANIA, Phone: +40 214 102 589, Fax: +40 214 102 588 SR EN ISO/CEI 17021-1:2015  
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which has implemented and maintains a  
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according to the requirements of

**SR ISO 45001:2018**

Date of initial certification: 15.11.2016  
Date of current certification: 14.11.2022  
Date of extension/restriction:  
This certificate is valid until: 13.11.2025

This certificate is valid only with the annex no 1 (1 page) and if the CertRom visa is applied to ascertain the accomplishment of the scheduled surveillances.

| SURVEILLANCE | I                  | II                 |
|--------------|--------------------|--------------------|
| DUE ON       | VISA<br>13.11.2023 | VISA<br>13.11.2024 |

Certificate identification data  
Identification code: 418134  
Date of issue: 14.11.2019  
Version: 02

General Manager CertRom,  
DINU Laurentiu-Mihai





# MEET THE TEAM



Adrian has over 30 years of experience in lighting, with education in mining and electronics engineering. In his activity, he obtained several certifications from well-known lighting manufacturers such as OSRAM and Phillips. Subsequently, he was granted two international patents for lighting products.

**ADRIAN APOSTU**

General Manager



Driven by a passion for technology, Sebastian brings significant value to our team as an optimizer. Sharing a similar background with Adrian, he contributed to the consolidation of the company, continuously improving its performance to this day.

**SEBASTIAN BIRTOLOM**

Executive Manager



# CONTACT

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