

CE2K

Engineering and
Manufacturing

LXS

Innovative LED
Lighting System

OUR COMPANY

Founded in 1988 to meet the needs of the combustion, energy, chemical and petrochemical plant sectors, today CE2K is an **innovative company**, tackling future challenges with experience, technology, and vision.

Every product made by CE2K is designed to integrate perfectly into the most complex industrial systems, **ensuring reliability and excellent performances**.

Through its brand **LUXSOLAR®**, CE2K also offers a complete range of **high-quality** lighting beacon solutions, broadening its product portfolio to meet the diverse needs of modern industry.

HOW WE OPERATE

1

Everything starts with **an intense discussion: ideas take shape**, new prototypes are analyzed, tested, refined.

2

In the design lab, the future comes to life.

Here, CAD drawings define every detail with millimetric precision. 3D printing transforms concepts into prototypes, offering a first tangible look at what is to come.

3

The sales team analyzes data, processes statistics, talks to client. Quotations are defined with absolute precision, **ensuring tailor-made solutions** that meet the real needs of those who choose CE2K. Our goal is not just to sell, but to create lasting partnership based on trust, reliability and innovation.



4

From design to realization:

System engineering is a crucial step.
Every component is optimized and tested.

5

The project takes its final shape.

CE2K's workshop is the productive heart of the company.

Under the hum of machines, every component is carefully assembled.
Systems are wired with precision, tested and verified to **ensure maximum efficiency.**



6

Every product is ready to depart - destined to **revolutionize an industry, improve a plant, bring innovation.**

OUR VALUES

The beating heart of CE2K is its team. Everyone contributes with their knowledge and experience, to the creation of cutting-edge solutions.

OUR CORE BUSINESS

CE2K S.r.l.

In critical industrial environments, reliable ignition and precise flame detection are fundamental.

CE2K S.r.l. develops **high-energy and high-voltage ignition solutions** to ensure safe and efficient operations.

Flame detectors, using ionization, UV, and IR technology, respond accurately to process variations.

Electronic components in hazardous areas are protected by **ATEX**, **IECEX**, **TrCu**, and **INMETRO** certified enclosures, to withstand extreme conditions.

Every CE2K solution is driven by innovation, safety, and efficiency.

FLARE IGNITION

HAZARDOUS AREA



High Energy Ignition
and Flame Detection



FFG certified
Spark Plug



Portable ignitors



Skid

ACCESSORIES



Ignition probe



HE tips



Cables



HE modules



HT transformers

FLAME DETECTION

HAZARDOUS AREA



Flame Scanner
IRIS500 series



Flame Scanner
S55X series

SAFE AREA



Flame Relay
600-IFD-140-SRS SIL 2



Flame Scanner
U2 ALL-IN-ONE

Ex ENCLOSURES

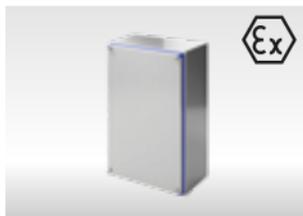
HAZARDOUS AREA



Instrument box
Stainless steel IIC



Ex d IIB+H2 and IIC
enclosures



Ex e IIC - Ex junction
box and terminal box



Control stations IIC

OUR CORE BUSINESS

Luxsolar®

LUXSOLAR® designs and manufactures **Aircraft Warning Light systems** for **obstacles to air navigation, heliports, marine applications, and wind turbines**, compliant with ICAO and FAA standards for **Safe Area** and **Hazardous Area**. Light intensities from 32cd to 200,000cd ensure optimal visibility even in extreme conditions.

Solutions for heliports include **TLOF lights and floodlights** for safe and effective illumination.

For **offshore platforms**, reliable obstruction lights withstand the harshest marine environments.

LUXSOLAR® always thinks about tomorrow's environmental expectations. **Dark sky policy goals**, air safety and energy consumption optimization can coexist: **LED Aircraft Warning Light systems with ADB-S control** for **wind turbines** activate only in the presence of aircraft.

AIRCRAFT WARNING LIGHTS

SAFE AREA



Low Intensity
Obstruction Lights



Low Intensity Obstacle
Lights Solar Powered



Medium Intensity
Obstruction Lights



High Intensity
Obstruction Lights

HAZARDOUS AREA



Low Intensity
Obstruction Lights Ex



Medium Intensity
Obstruction Lights Ex

HELIPORT, HELIDECK AND VERTIPORT LIGHTS

SAFE AREA



Perimeter Lights
TLOF FATO



Touchdown Positioning
and Circle Lighting



Perimeter Lights FATO
ELEVATED



Approach Lights
Steady Burning Type



Lighted Windssock

HAZARDOUS AREA



HMS Helideck
Monitoring System
Repeater Status Lights

IALA MARINE AIDS

SAFE AREA



Primary Beacons
Night Mode
15nM / 10nM



Auxiliary Beacons
Night Mode
5nM / 3nM



Lighthouse
Lights



Red Lighthouse
Lights

HAZARDOUS AREA



Primary Beacons
Ex Night Mode



Auxiliary Beacons
Ex Night Mode
5nM / 3nM

AERONAUTICAL BEACONS

ICAO



Follow Me Lights
Low Intensity



Identification Beacons



Aerodrome Beacons



"CIRCLING" Guidance
Lights

FAA



Airport Lights Beacon



ODALS / RAIL

AWL FOR WIND TURBINES



HELHOIST Lights



DUAL Medium
Intensity AWL



Medium Intensity AWL

"OREI" SAR activity

CAP764

"OREI-W" SAR activity

OUR SERVICES



Post-sales support



AWL installation



Maintenance



Commissioning and
start-up spare parts



Engineering support

OUR PRIORITIES: SAFETY AND QUALITY

— ISO 9001: 2015

— ISO 14001: 2015

— ISO 45001: 2018

— ATEX QAR

— IECEx QAN



OUR CONTACTS

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Every day, CE2K builds the future.