

# COMPANY PROFILE



[www.crtsgroup.com](http://www.crtsgroup.com)

# C.R. TECHNOLOGY SYSTEMS PROFILE

Founded in 1985 by Carlo Rovelli

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**Operational Headquarters: Treviglio (BG)**

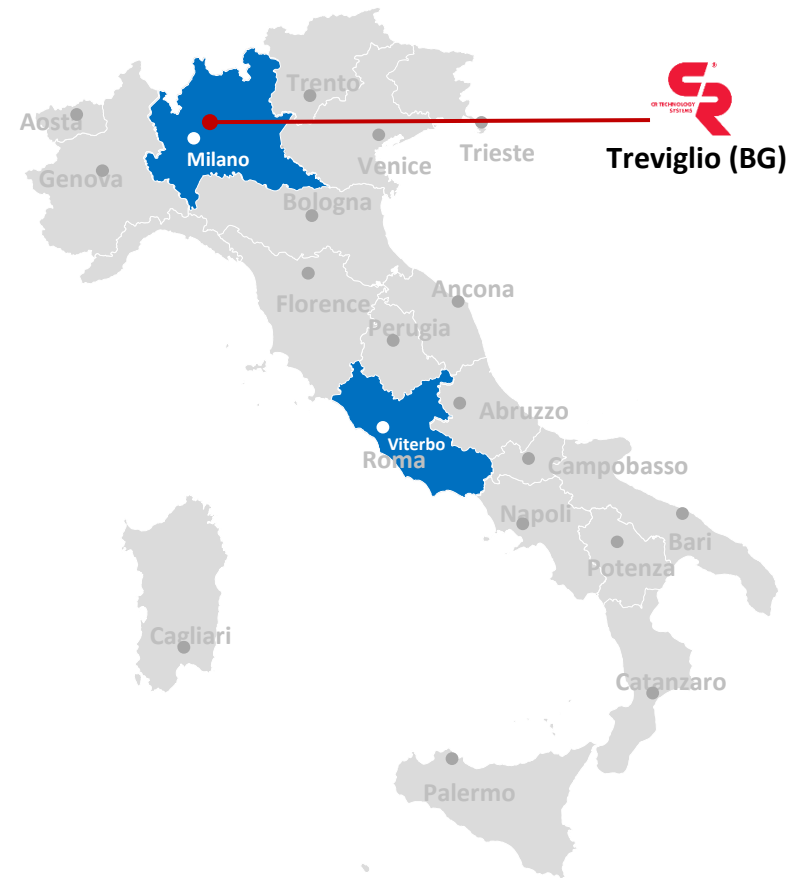
**Headquarters: Viterbo**

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## Core activities:

Innovative solutions for the design and implementations of electrical systems for:

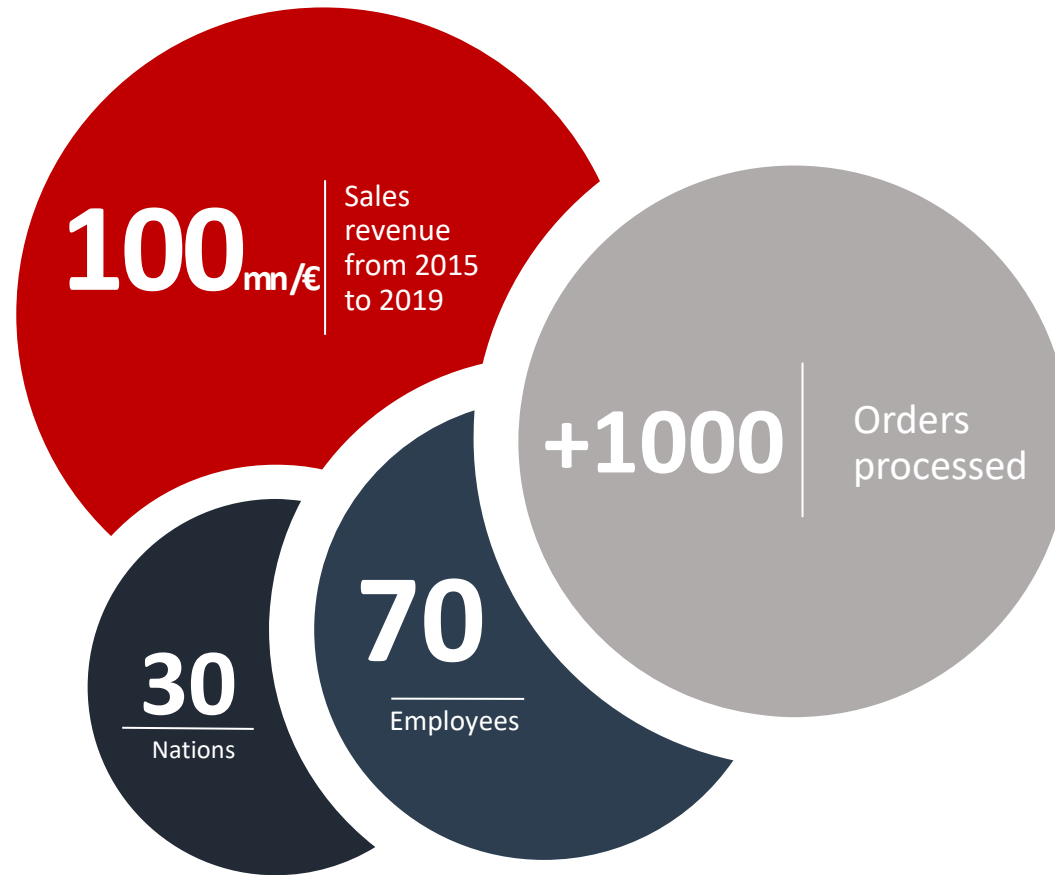
- ▶ **production**
  - ▶ **transformation**
  - ▶ **distribution**
- of electrical energy



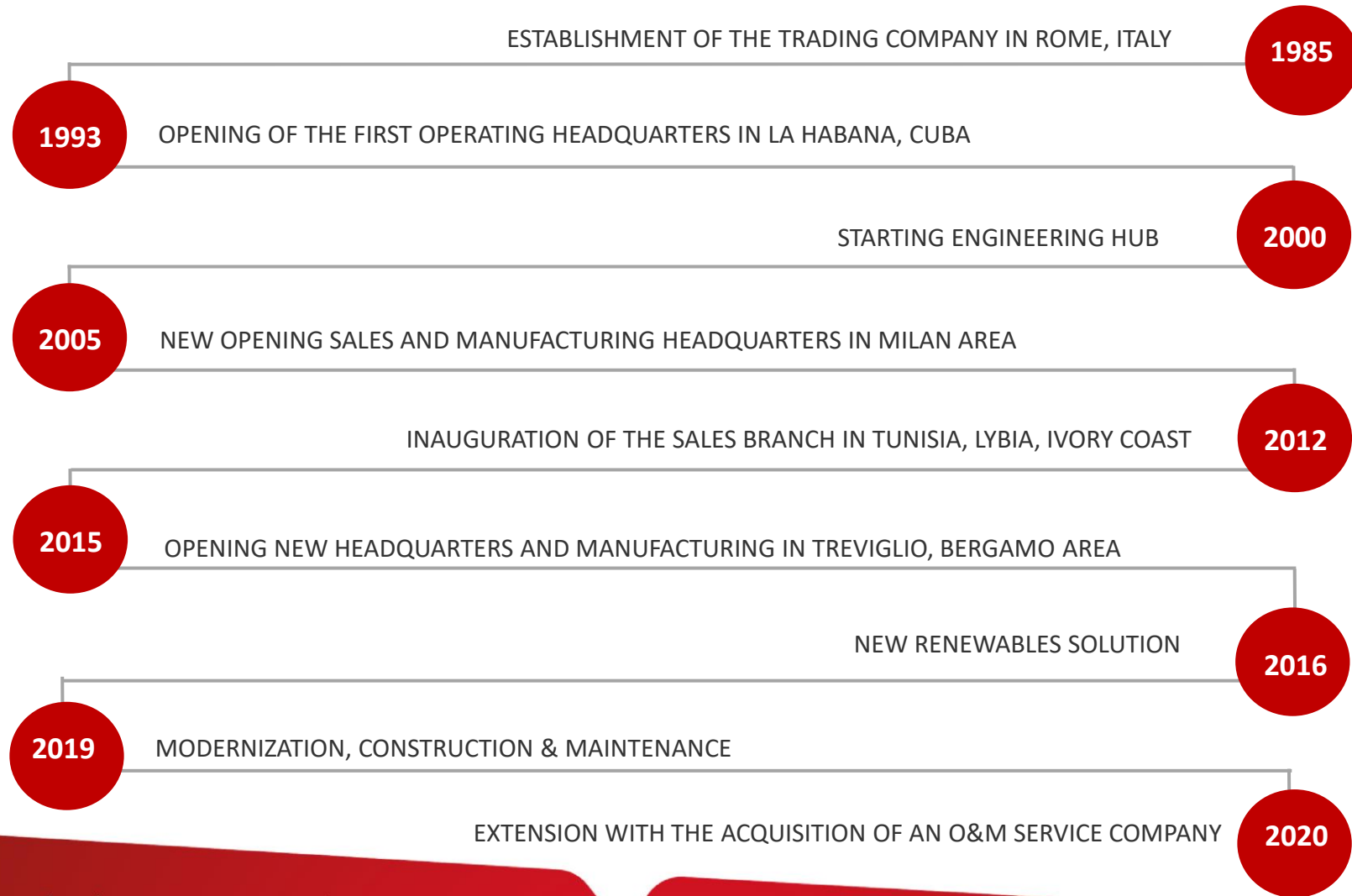
C.R. Technology Systems S.p.A.  
Via Rossaro, 9  
24047 Treviglio (BG) - Italy  
P.IVA 01637141001

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# OUR NUMBERS



# OUR HISTORY



# AREAS OF ACTIVITY



**Production**

**Transformation**

**Distribution**

Our know-how in plant, technological, electrical and hydraulical «**service & maintenance**» allows us to be a **single interlocutor for complex and integrated projects** in the energy production field.

# WHAT WE DO: PRODUCTS AND SOLUTIONS

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- Switchgear MV AIS – Normal Clad
  - Switchgear MV AIS – ATR
  - String-Box
  - High-Voltage Electrical Substation
  - Mobile Substation
  - STC-Box
  - STC – Kiosk
  - ISO Container
  - Photovoltaics
  - SCADA system
  - Retrofit solutions
  - Public lighting
  - Electrical systems
  - Cogeneration plants
  - Mechanical and electrical installations
  - Services and Maintenance
-

# OUR QUARTERS IN THE WORLD

From Italy we have reached the world



**Operational HQ** Treviglio

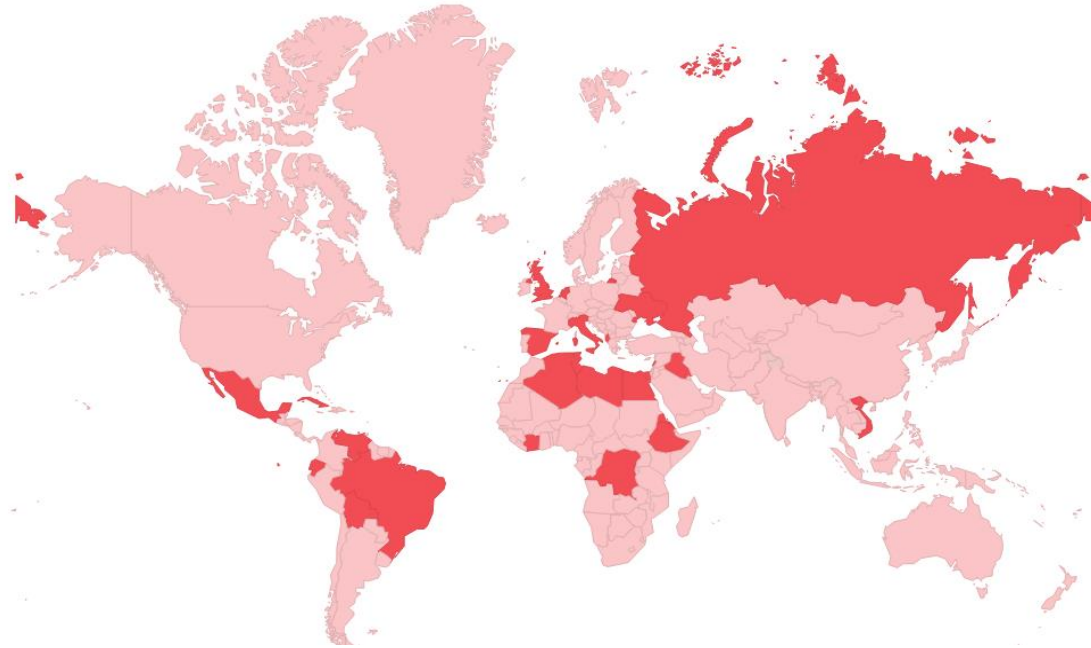
**HQ** Viterbo

**Permanent sales offices:** Tunisia, Cuba and Ivory Coast

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# OUR PROJECTS IN THE WORLD



Years of activity



Switchgears



Mobile and fixed  
substations



Orders processed



Continents



Nations

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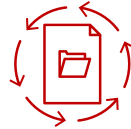


# OUR STRENGTHS



## TAILO-MADE

Customized products and solutions



## 360° SERVICE

Product service system



## QUALITY

Certified high-quality products



## ITALIAN DESIGN

Made in Italy (local supply chain)



## INNOVATION ENGINEERING HUB



## TRAINING AND UPDATING

Customer and personnel continuous training



## EXPERTISE

In export

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# C.R. TECHNOLOGY SYSTEMS ATTITUDE

“ Listen. Understand. Act.

The **value** that has characterised us for over 35 years of activity is our ability to **listen** to both the **market**, the **client**, in the **environment** where we interact (territory and people).

”



**Riccardo Rovelli**  
*Direttore Generale*

# OUR STRATEGY

## Open

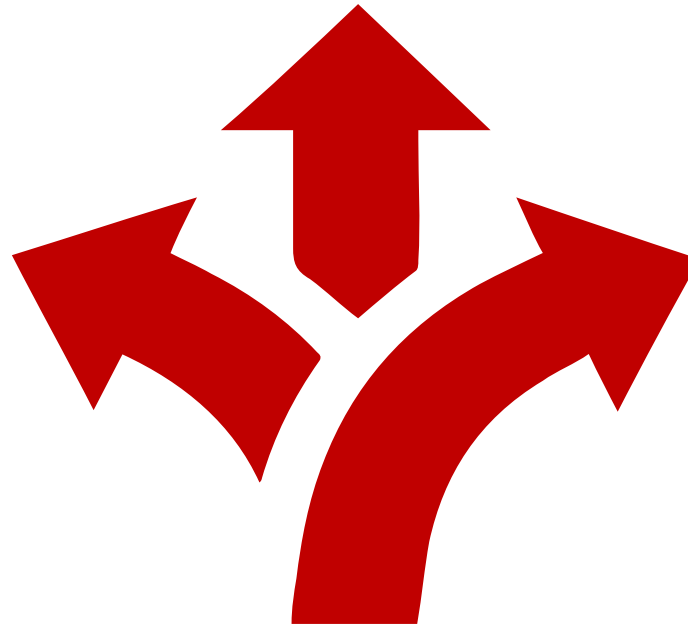
New markets in Europe (Italy, Spain, Albania, The Netherlands, Ukraine), Sub-Saharan Africa (Ivory Coast, Eritrea, Ethiopia) and Asia (Iraq, Russia)

## Rainforce

Existent mrkets in Latin America (Cuba, Perù, Brazil, Venezuela, Mexico) and North Africa (Algeria, Tunisia, Libya)

## Acquire

Other companies in industrial plant engineering and in service and maintenance sectors



# OUR CERTIFICATIONS



**231** MODELLO ORGANIZZATIVO  
AI SENSI DEL  
D.LGS 231/2001



*ISO 14001:2015 / ISO 45001:2018*

*CH-H70094*



*ISO 9001:2015*

*CH-H70093 CH-H52503*

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Ready to  
231/01

# SWITCHGEAR MT AIS – NORMAL CLAD



Protection relay, SF6 gas-insulated or vacuum-insulated circuit-breakers. Customized components



MV Normal Clad switchgears for primary distribution up to 40,5kV

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# SWITCHGEAR MT AIS – NORMAL CLAD



Protection degree from IP4X for indoor applications, up to IP65 for outdoor applications

Simple or double busbar system, double top with two breakers and other customizable configurations available

# SWITCHGEAR MT AIS – ATR



Installation of multi-brand breakers, air insulated or SF6 gas-insulated. Customized components

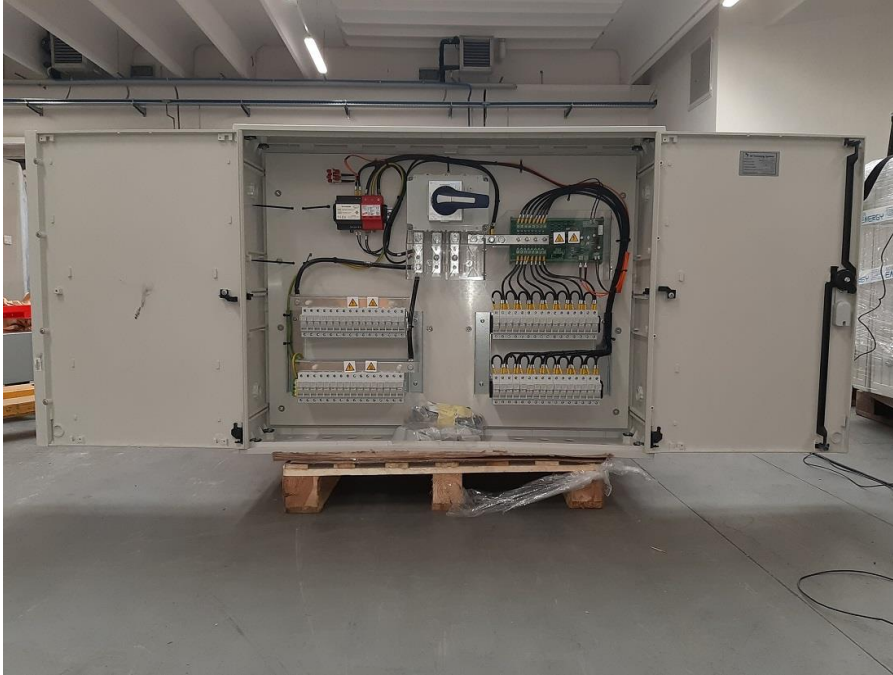


Installation on base frame or on concrete basement

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# STRING-BOX



It monitors string current and parallel voltage, the SPD life status, the internal temperature or other feature sizes on demand, such as the panel field temperature

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# ELECTRICAL SUBSTATIONS UP TO 220KV



Turn-key solution, designed according to the customer's requests. We take the responsibility for whole project, from the analysis of the request to study the best solution up to commissioning and hand-over to the customer.

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# ELECTRICAL SUBSTATIONS UP TO 220KV



Easier identification of possible breakdown,  
due to its outdoor position



Future extension of the scheme is easier  
whenever needed

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# MOBILE SUBSTATIONS UP TO 220kV



Perfect solution to produce one or more transportable line or transformation bays, as all parts are mounted on semi-trailers or skids

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# MOBILE SUBSTATIONS UP TO 220kV



Ideal for temporary power supply and  
in the event of an emergency

Plug & play solution

Easy to transport

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# STC – BOX



Compact structure

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Resistant to elements and hostile environments

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Transportable by sea and land

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Plug & play solution

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Simplified maintenance operations thanks to the access to internal equipment and safety systems



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# STC – KIOSK



Compact and small size structure



Transportable by sea and land

Plug & play solution

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# ISO CONTAINER



RINA certification for sea  
shipment

Compactness

Short installation times

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# ISO CONTAINER



One-piece self-supporting metal structure, with internal separating walls and normalised corner blocks suitable for lifting and positioning



The container is sea-shipping approved, stackable, without any need to disassemble it

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# PHOTOVOLTAIC SYSTEMS



N. 45 plants processed

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Over 180 MWp installed

Remote control of the single string

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Minimum need for maintenance

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Long-term investment



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# SCADA SYSTEM



For the monitoring of electrical transmission and distribution, photovoltaic plants, electrical substations

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User friendly with powerful and customizable HMI

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C.R. Technology Systems designs customized softwares, studying the best engineering solution

# RETROFIT



Extension of the plant's  
lifespan

Waste reduction

Warranty of continuity of service  
during restoring operations

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# PUBLIC LIGHTING



Public lighting of main roads, streets, squares, gardens, railway stations, building walls

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Special motion sensors allow to control the lamps' power, thus reducing consumption

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Lengthening of lamps' life cycle and maintenance optimization through digital management

# PUBLIC LIGHTING



Mounts and light poles designed upon request,  
in order to combine the structural and  
mechanical dimensioning

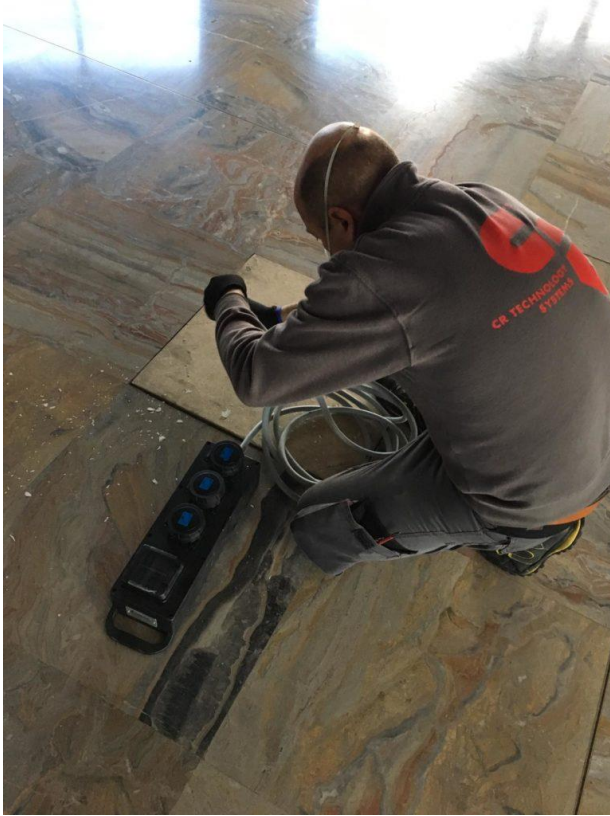


LED components and drivers built in  
conformity with CE, UL, TÜV EMC e  
LVD certificates

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# SERVICE & MAINTENANCE



Site management

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Operation & maintenance

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Tests and commissioning

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Electrical and thermo-hydraulic  
plant engineering



# SERVICE & MAINTENANCE



Installation and commissioning works of electrical plants for the set-up of Covid-19 field hospital, in Bergamo Fair Centre

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# CONNECTING THE POWER

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