

COMPANY PROFILE



www.crtsgroup.com

**"THE ENERGY TRANSITION IS NOW:
GREEN FUTURE FOR THE NEXT GENERATIONS"**



WHO WE ARE



+4.8 GW
PV
connected



1400
Projects
completed



+5 GW
BESS
connected



220
Locations in
the world

- BORN IN **1985**
- MECHANICS APPLIED TO ELECTRICITY
- **70** EMPLOYEES
- INNOVATION, TECHNOLOGY, DIGITALIZATION
- REFERENCES IN **30** COUNTRIES

Watch our [Corporate video](#)

OUR HISTORY

Trading, Rome
1985



Tunisia quarter
2012



New renewable
solutions
2016



Production Hub in
Zanica (BG)
2022



New production Pole in
Crema Elemech
2025



2000
Engineering Hub



2015
Treviglio (BG)



2019
Product-oriented
strategy



2025
New production
and service branch
in Cagliari



PURPOSE

ENABLING ENERGY
ACCESS, THROUGH
TECHNOLOGICALLY
ADVANCED PROJECTS

MISSION

SUPPORTING OUR
CUSTOMERS BY
OFFERING THE BEST
SOLUTION ON THE
MARKET, BOTH IN
TECHNOLOGICAL AND
ECONOMIC TERMS

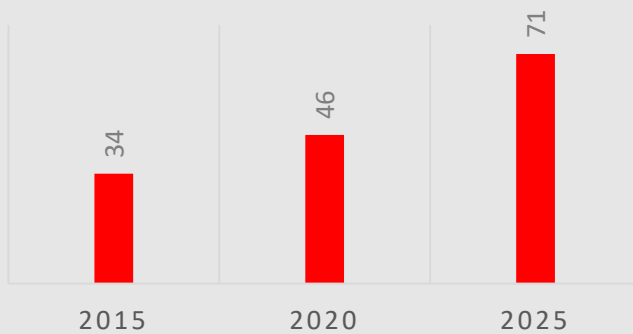
VALUES

- ✓ QUALITY
- ✓ INNOVATION
- ✓ #GREENATTITUDE
- ✓ ENGINEERING
KNOW HOW
- ✓ PIONEERISM
- ✓ MADE IN ITALY

OUR PEOPLE

- Selection of Specialized Professionals
- Dynamic and young Team
- Cross-functional skills
- Solid Corporate Welfare Structure

PERSONNEL GROWTH IN THE LAST 10 YEARS



WHAT WE DO



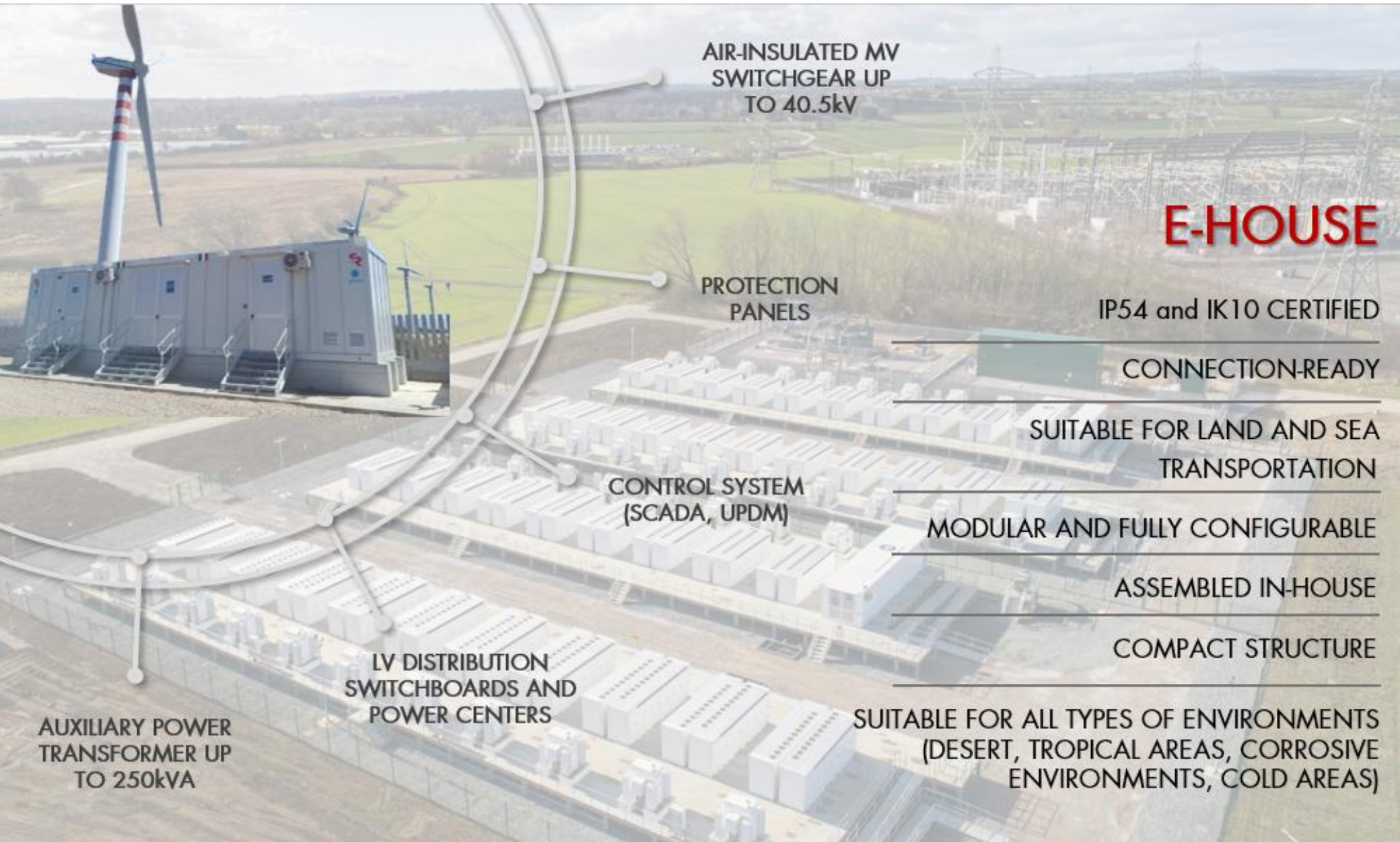
PRODUCTS

- E-HOUSE (SWITCHROOM & CONTROLROOM)
- MV SWITCHGEAR ATR 36/40.5kV
- MV SWITCHGEAR CR POWER 36/40.5kV
- LV SWITCHBOARDS (POWER, PROTECTION & CONTROL, AUXILIARY)

SYSTEMS & PACKAGES

- SERVICE (HV/MV SUBSTATIONS)
- SCADA SYSTEM FOR HV/MV SUBSTATIONS

STEP INSIDE THE **eHOUSE**



AIR-INSULATED MV
SWITCHGEAR UP
TO 40.5kV

PROTECTION
PANELS

CONTROL SYSTEM
(SCADA, UPDM)

LV DISTRIBUTION
SWITCHBOARDS AND
POWER CENTERS

AUXILIARY POWER
TRANSFORMER UP
TO 250kVA

E-HOUSE

IP54 and IK10 CERTIFIED

CONNECTION-READY

SUITABLE FOR LAND AND SEA
TRANSPORTATION

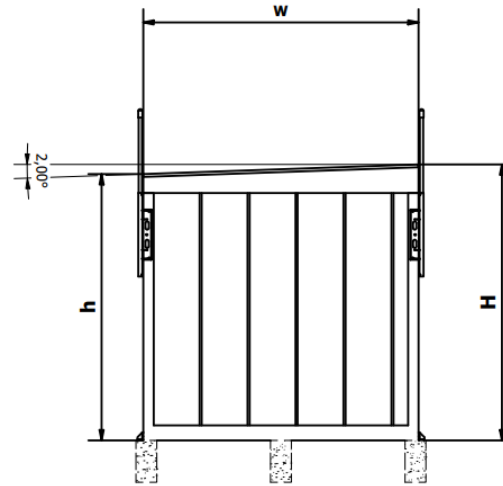
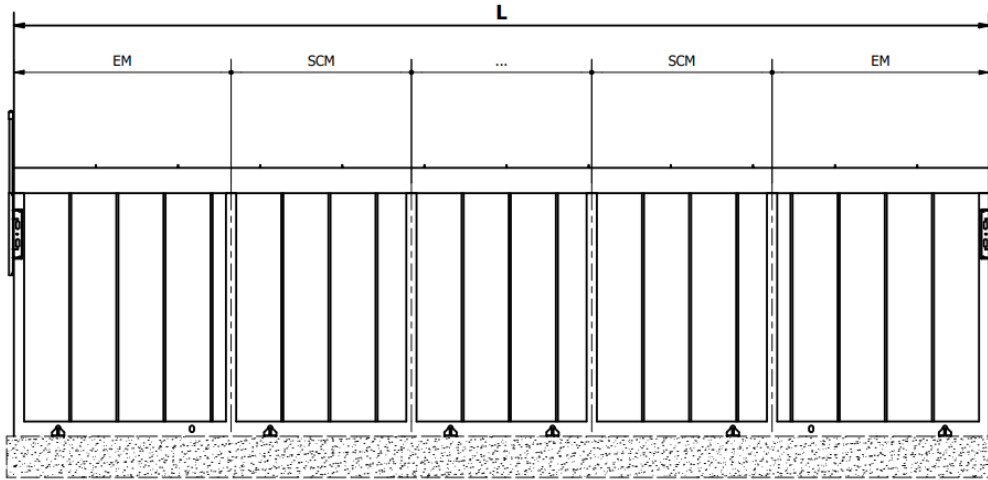
MODULAR AND FULLY CONFIGURABLE

ASSEMBLED IN-HOUSE

COMPACT STRUCTURE

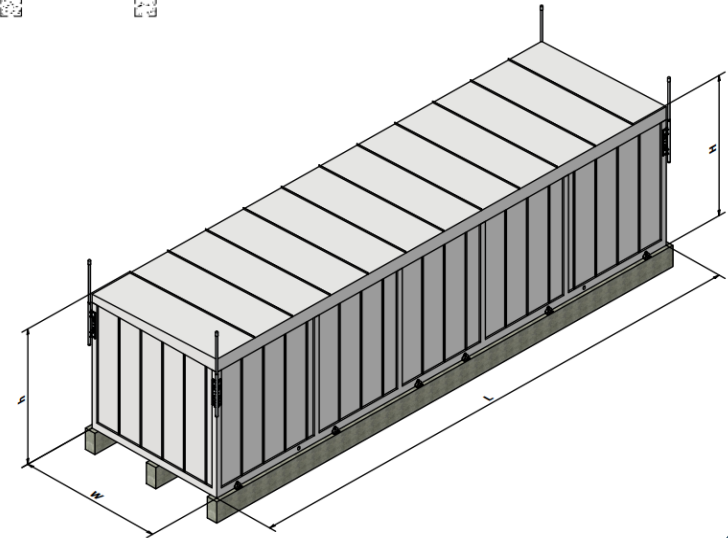
SUITABLE FOR ALL TYPES OF ENVIRONMENTS
(DESERT, TROPICAL AREAS, CORROSIVE
ENVIRONMENTS, COLD AREAS)

SWITCHROOM LAYOUT AND DIMENSIONS

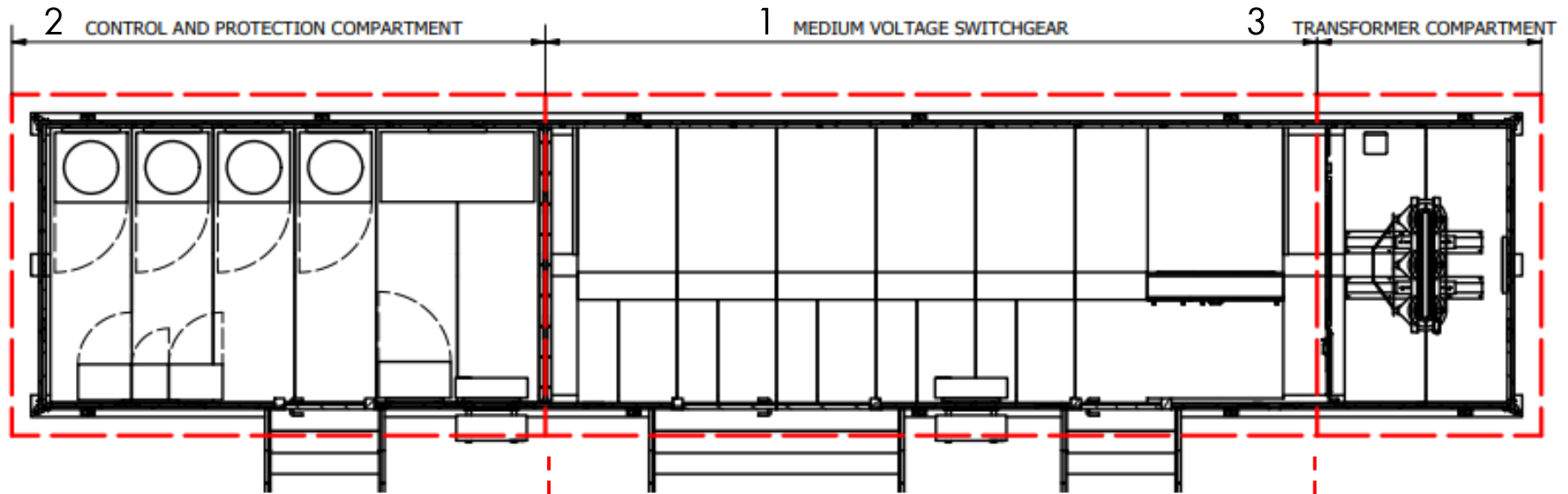


EM = End Module (2650mm)
SCM = Standard Central Module (2200mm)

- ✓ Modular units, allowing flexibility and scalability
- ✓ Sloped roof, designed to prevent rainwater accumulation
- ✓ Sustainable material selection: Sendzimir, Magnelis
- ✓ IP and IK10 certifications
- ✓ Corrosion-resistant



COMPARTIMENTI FUNZIONALI



Protection & Control room

- LV protection panels
- SCADA system

Medium-Voltage Switchgear compartment

- Metal-enclosed switchgear ATR36/ATR40 up to 40,5kV
- Metal-clad switchgear CR POWER 36/40 up to 40,5kV.

Transformer compartment

- Auxiliary Transformer

APPLICATION: PHOTOVOLTAIC SYSTEMS



KEY BENEFITS

- Infrastructure & Integration → primary substation, grid connection, efficient modular design
- Control & Digitalization → customized software for monitoring and control
- Sustainability → green energy, emission reduction, long-term investment
- Application Flexibility → rooftop PV, ground-mounted, floating, agrivoltaic, photovoltaic greenhouses

APPLICATION: E-HOUSE FOR BATTERY ENERGY STORAGE SYSTEMS (BESS)



KEY BENEFITS

- Connection-ready solution → fast installation, minimal on-site work
- Continuous supply of renewable energy → guaranteed availability at all times
- Energy autonomy → independence from grid fluctuations
- Energy efficiency → storing surplus production instead of feeding it back into the grid

AUTOMATION AND DIGITALIZATION



SCADA SYSTEM

- Control system for remote monitoring and supervision of electrical substations
- Fault and outage detection for improved energy management in smart grids
- User-friendly thanks to an efficient and customizable HMI interface
- Digitalization of the solution reduces the environmental impact of the substation and enables up to 80% copper cabling savings

ATR – MV AIR-INSULATED SWITCHGEAR



KEY BENEFITS

- Secondary distribution, also suitable for primary distribution
- Designed for indoor use
- Can be equipped with SF₆ or air load break switches or disconnectors, depending on the configuration



CR POWER – MV AIR-INSULATED SWITCHGEAR



KEY BENEFITS

- Air-insulated switchgear (AIS) with metallic compartment segregation
- Withdrawable main components
- Available in standard or internal arc-resistant versions
- High level of operator protection
- Special versions:
 - 40.5kV for future Terna (TSO) connections
 - Protection rating up to IP65 for mining applications
 - Duplex and Double busbar system versions available



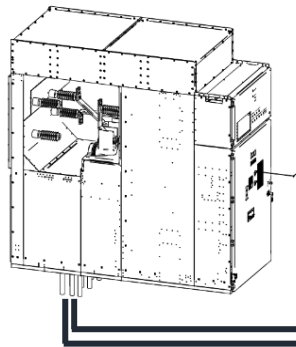
READY FOR 40.5kV CONNECTION (36kV SERVICE VOLTAGE) FUTURE DEVELOPMENT PLAN OF THE ITALIAN GRID

Future Terna connections for new generation plants up to 100MVA will require a 36kV service voltage.

We are official TERNA (Italian TSO) providers, with our MV Normal Clad switchgear 40.5kV, CR Power 40, currently under certification phase.

We provide switchgears for plug-in solutions, intended for the connection to our pre-fabricated metallic eHouse, equipped with MV 40.5kV switchgears, in compliance with Terna TSO standards.

TERNA SUBSTATION



Connection to eHouse



NEW QUARTER – CISERANO (BG)

OPENING SOON



RESEARCH & DEVELOPMENT

- **RESEARCH** of new products and technologies
- Sensors and software aim at improving **PREDICTIVE MAINTENANCE** processes
- Focus on **RESISTANT** and **SUSTAINABLE** solutions and materials



OUR SUSTAINABILITY

#Greenattitude

SOCIAL / ETHICAL

- Training of personnel and clients
- Internal welfare
- Support to charity projects and to Orobica Women Football team

ENVIRONMENT

- Plastic Free project & Save the Paper
- Headquarter fed by photovoltaic pannels and manged by domotic systems

ECONOMIC / PRODUCT SUPPLY CHAIN

- Study of eco-friendly materials with excellent value performance, cost, LCA at low emission rate
- Territoriality of the supply chain
- Glocal (acting locally, delivering globally)



OUR CERTIFICATIONS



H70093

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



**CR TECHNOLOGY
SYSTEMS**

CONNECTING THE POWER

www.crtsgroup.com