



Complete solutions for electrical domain:

- Design and Development
- Supplier
- Construction
- Commissioning
- Maintenance
- High Voltage Test



Certifications:

ISO 9001:2015 Quality management systems

ISO 14001:2015 Environmental management systems

ISO 45001:2018 Occupational health and safety

management systems









Certifications:

Design, installation, operation and maintenance of electrical installations used in potentially explosive atmospheres in compliance ATEX Directive 2014/34/EU





Certifications:

- Design of electrical, overhead or underground voltage lines nominal voltages of 0,4 kV ÷ 110 kV, transformer stations with higher nominal voltage maximum 20 kV, medium voltage stations and 110 kV
- Execution of electrical, overhead or underground power lines nominal voltages of 0,4 kV ÷ 110 kV, transformer stations with higher nominal voltage maximum 20 kV, medium voltage stations and 110 kV





Certifications:

- NR 10 SAFETY IN FACILITIES AND SERVICES IN ELECTRICITY
- NR 11 TRANSPORT, HANDLING, STORAGE AND HANDLING OF MATERIALS
- NR 18 WORKING CONDITIONS AND ENVIRONMENT IN THE CONSTRUCTION INDUSTRY
- SECURITY IN THE ELECTRIC POWER SYSTEM (SEP) AND ITS PROXIMITIES







- Installation and commissioning for equipment produced by G&W Electric (Former Tozzi Electrical Equipment)
- Installation and commissioning for equipment produced by SANTERNO
- Installation and commissioning for equipment produced by FIMER
- Installation and commissioning for equipment produced by GoodWe, we are GoodWe PLUS+ Installer (warranty extension to 10 years for all XS, DNS and SDT G2 inverters up to 20kW across Europe)

ENEL Qualifications: Qualified Merchandise Group



• LELE02_RO

Overhead lines up to 150kV (material, installation and tensioning) - ROMANIA

• LEII15_RO

PV plant installation (BOP) & maintenance - ROMANIA

• LELE05_RO

Works on MV/LV plants - ROMANIA

LESC02_RO

Electrical stations - electrical and electromechanical

installations - ROMANIA

LESC01_RO

Complete primary cabins (civil and electrical works) -

ROMANIA

LELE07_RO

HV underground cable lines (with solid or liquid

insulation) - ROMANIA



ENEL Qualifications: Evaluation in progress Merchandise Group

FEST06_RO

LEII06_RO

LEII15_IT

SPPT27_IT

LEII01_RO

FEIN12_ROROMANIA

FECA02_ROROMANIA

EPC Electrical Power Stations MV/HV - ROMANIA

Construction of PV plants - ROMANIA

PV plant installation (BOP) & maintenance - ITALY

ENGINEERING and REAL ESTATE SERVICES - ITALY

Electric vehicle recharge stands - works - ROMANIA

Automatic LV switches for measurement units

HV cables insulated with elastomers up to 170 kV -

Partners & suppliers





















Partners & suppliers





















We use local workers guided by our experienced engineers:

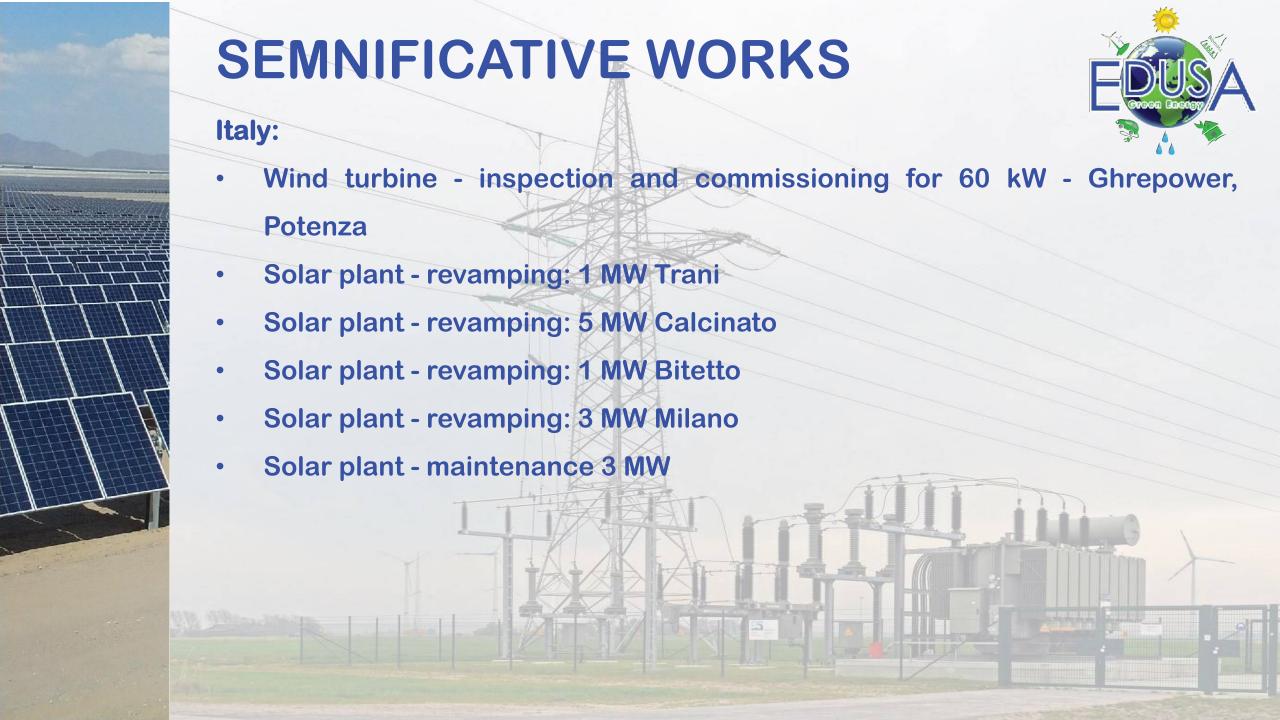
- 18 Engineers in Romania including collaborators
- 2 Engineers in Mexico
- 2 Engineers in Brazil
- 1 Engineer in Grece
- 1 Engineer in Chile
- 1 Engineer in Italy





Romania:

- Photovoltaic plant development (including authorisations) and construction 30 MW for Talesun, 3R Energia
- Hydropower station commissioning 700 kW for HIDROVLADENI
- Medium voltage cells TOZZI, G&W, Imequadri Duestelle and Boffetti construction, commissioning, maintenance for 30 High Voltage Station
 Cogeneration station inspection and commissioning for 3 MW Station
- Home photovoltaic systems 120 projects 500kW "Casa Verde" AFM
- 3 Projects for ENEL, Dobrogea, Muntenia and Banat, 257 kW of photovoltaic panels and 403 kWh of batteries, part of a pilot program to reduce the carbon footprint of 110kV substations
- Solar plant revamping: 1MW Banloc Timis







Polonia

Medium voltage cells SIEMENS - commissioning for 7 MW LOTOS
 Petrobaltic drilling rig

Mexic:

 Solar plant Villanueva - 828 MVA AC~1200 MVA DC - site manager and commissioning for inverter, power line and substation - FRIMER & Enel Green Power

Brazil:

Solar plant Sao Goncalo - Construction 400 MW SANTERNO inverter for
 TOZZI LATAM & Enel Green Power









Compensation system for own technological consumption from renewable solar energy sources











Compensation system for own technological consumption from renewable solar energy sources











Solar plant Sao Goncalo







Solar plant Sao Goncalo





Solar plant Sao Goncalo





Cogeneration station









Romania construction







Romania construction





"Casa Verde" AFM Mestecănești Rădăuți Bălţi Satu Mare Baia Mare Suceava oBotoşan Moldova Debreţin Zalău olnoca Bistriţa Oradea Chişinău a Piatra Neamt Cluj-Napoca Tiraspol Vaslui Bacău Giulao, Târgu Mureş Miercurea Ciuc ghedin Onești Bârlad Sighișoara Arad Alba Iulia Білгород-Дністро Deva Sibiuo România Timişcara Focşani Becicherecu Mare Galati Зрењанин" Brăila Ізмаїл Buzău Tulcea A Belgrad Београд Semendria Смедерево Călăr Serbia Mangalia Čačak Pyce Dobrici Kruševac Чачак Крушевац Добрич Plevna Плевен

LOTOS Petrobaltic drilling rig











Italy Revamping



Revamping calcinato 1MW Italy









Air inspection DJI Mavic 2 Enterprise Dual

Work area: 6000 m

Maximum time flying: 31 min

Satellite positioning: GPS +

GLONASS

Visual Camera

4056×3040 (4:3)

4056×2280 (16:9)

video: 4K: 3840×2160 30p

Thermal Camera

Pixel pitch: 12 μm

Spectral band: 8-14 µm

640×480 (4:3); 640×360 (16:9)

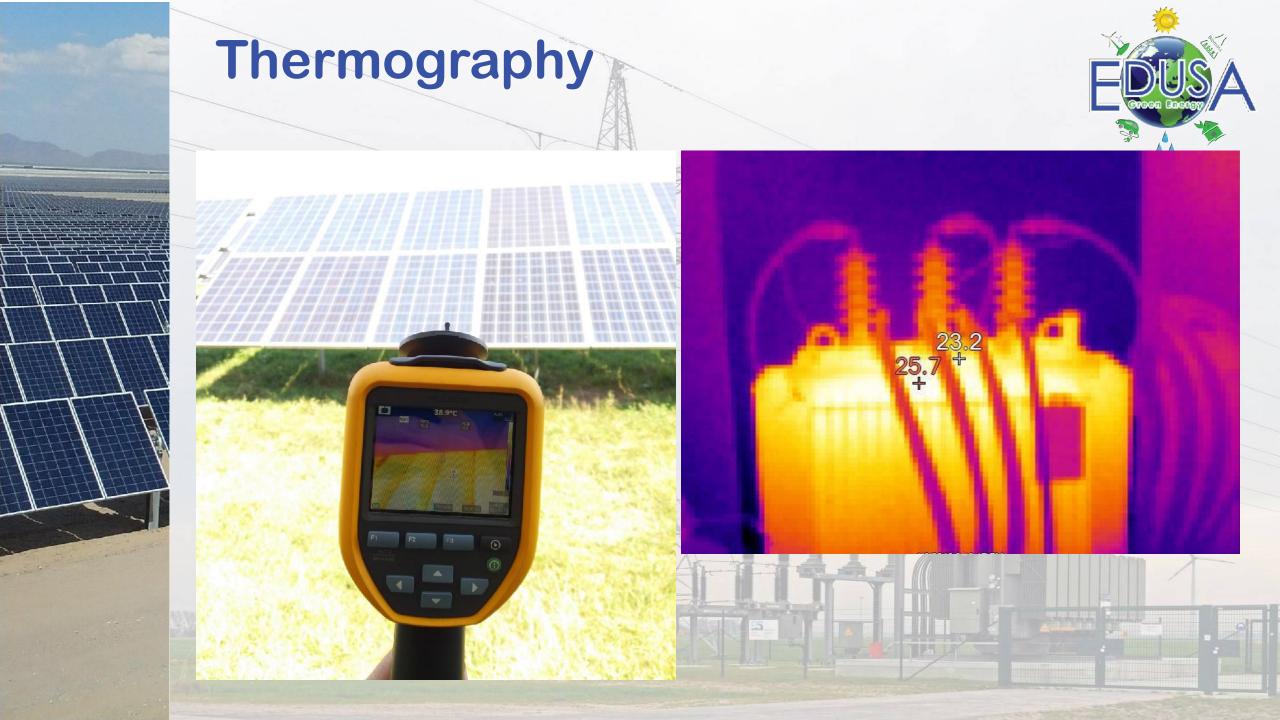
Thermal interval:

High Gain: -10° - 140°C;

Low Gain: -10° - 400°C







High voltage test

Equipment

Output voltage

- AC 0 80 kVrms
- DC 0 to ±110 kV

Output current (continuous)

- AC 14 mArms
- DC ±5 mA

Short-circuit current

- AC 30 mArms
- DC ±17 mA





Measurement equipment



Equipment	Technical characteristics
Hight Voltage Test Set, BAUER GmbH, PGK 110 HB	0kV-110 kV 0-10mA
Megohmeter MEGGER MIT 525	5000V 10TΩ
Megohmeter METREL MI 3200	0,12-ΜΩ-10ΤΩ
SCHLUMBERGER GP 3050 three-phase current-voltage kit	320 Vca f=50Hz 100 Aca f=50 Hz
EuroSMC PTE-100-C Current-voltage kit	Generation: 350Vcc; 250 Vca; f=50Hz; 100 Aca; f=50 Hz Measuring: 250 Vca f=50 Hz; 20 Hz-2000 Hz
Megohmeter FLUKE 1587	0,01-ΜΩ-2GΩ

Measurement equipment



Equipment	Technical characteristics
FLUKE 1587 Multimeter	100 Vcc 1000 Vca f=50 Hz 400 mAcc 400 mAca f=50 Hz 50 MΩ
METREL MI2124 Earth Ground Tester	0,11Ω-19,99kΩ
Megohmeter FLUKE 1507	0,01ΜΩ-10GΩ
FLUKE 1621 Earth Ground Tester	0,15Ω-1999Ω
NEUMANN KPG 25Kv High voltage kit	0-25 kVcc
FLUKE TiS20 Thermovision camera	-20 +350 °C
MEGGER MIT 525 megohmeter	10 kΩ-10 TΩ

Virtual headset

KIBER HELMET

Kiber Helmet capabilities:

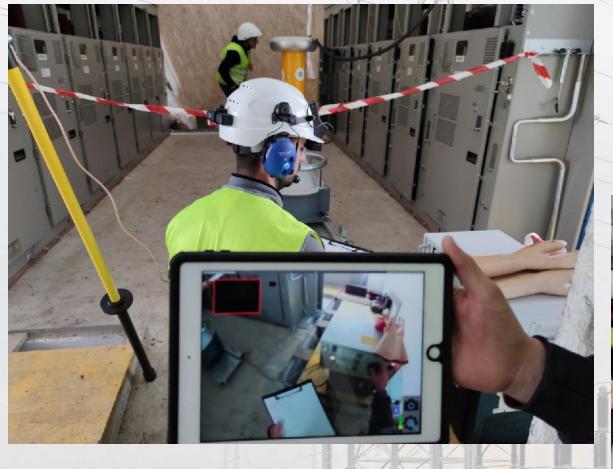
- allows engineers and inspectors to see what the person wearing the helmet is seeing in real time
- enables high-resolution image capture and real-time mark-up of images
- supports easy document share
- permits multiple people support sessions, with video recording and playback





Virtual headset









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