

## ABOUT SELT

We are an important Italian energy transmission and distribution system operator. We also promote production from renewable sources and telecommunications network development. We have been working across Europe for twenty years to help construct a reliable electricity grid. Beginning with electrical transmission, we have since developed several lines of business to bring efficient solutions to the market.



### ENERGY TRANSMISSION

Thanks to decades of experience in the high-voltage market, SELT plays a major role in Italy as an energy transmission supplier. With our international perspective, we utilize the experience we have acquired through working with companies such as Terna and Enel in order to implement the growth of the electricity network in Europe. Together with our core business in high-voltage work, we have developed our skills in the medium and low voltage sectors so that we can offer our partners a flexible and profit-oriented support. Telecommunications networks, especially optical fiber, complement our ability to connect energy. SELT Energy Transmission is now a solid reality with more than 5,000 km of grid extension created, more than 200 employees involved and works in progress all over Europe.



### GREEN ENERGY

Electricity is the engine of progress and we believe that progress must be sustainable. For this reason, green energy is a strategic way of developing of our business. We have focused mainly on photovoltaic energy and, thanks to this, we were involved in the construction of the biggest park in Europe (San Bellino, IT) with a surface area of 850,000 m<sup>2</sup> (equal to 120 football pitches) and an installed power of 70.5 MW. We also produce electrical-engineering works for wind energy generation. We are among the pioneers in Italy for our number of specialized employees as we continue our commitment to sustainability, acting as a bridge between green energy producers and distributors.



### METAL CARPENTRY

Our headquarters host a steelwork workshop capable of quickly producing and customizing any support for our main business activities. We, at SELT, believe that the ability to adapt and be flexible are key elements to optimize resources and guarantee efficiency to our customers. For this reason, we have invested in the productivity of the metalworking business, which avoids the use of intermediary companies for supplies needed on site, reduces labor costs, improves the quality and increases the speed of execution. Furthermore, our workshop represents a point of reference in the area for the production of metal structures. We work with steel and iron in order to be able to produce all kinds of works, from the simplest to the more complex, including large sporting facilities or industrial structures.

## OUR WORK

Our projects are diverse, just as our working environments and our customers are different. What unites all our ventures is the ability remain focused on the result, in any circumstances.

Our high professional standards, reliability and cost effectiveness make SELT your ideal partner for the development of electrical networks.

## HIGHLIGHTS FROM SELT

### CENTRAL NORWAY

Client: STATNETT

Line: **420 kV**

**250 km** in length

**720** pylons

**6** new transport stations

Removal of **170 km** of pylons

### FRANCE

Client: RTE FRANCE

Line: **63-90-150-225-400 kV**

Adjustment and reinforcement of pylons

Replacement of equipment

Replacement of conductors and shield wires

**1.200 km** of lines restructured

### SAN BELLINO

**70 MW** of power

**850,000 m<sup>2</sup>** of land

Connection to the national photovoltaic network system of **280,000 photovoltaic panels**

**44,000 T** of CO<sub>2</sub> emissions saved annually

## ACTIVITIES

- Transmitting high-voltage, medium-voltage and low-voltage electricity
- High, medium and low-voltage transformer stations and electrical substations
- Industrial electrical systems
- Optical fibre telephone transmission lines
- Photovoltaic parks and wind farms
- Design of high, medium and low-voltage stations and power lines
- Construction of foundations in AC for supports and trellises
- Supply and erection of towers for high-voltage power lines
- Supply and installation of supports for medium and low-voltage power lines
- Design, supply and installation of antennas for telecommunication and telephone lines
- Design, supply and installation of supports and luminaires for public lighting
- Laying and stringing of conductors for high and medium-voltage power lines
- Stringing and tensioning of electricity and telephone cables
- Supply and installation of equipment and electro-mechanical components for substations.
- Construction of high, medium and low-voltage power lines in underground cables
- Urgent interventions on and maintenance of high, medium and low-voltage power lines.
- Demolition of obsolete or damaged existing plants and power lines

## EQUIPMENT

- Motorized winches for the assembly of high voltage lines and for the tensioning of electrical and telephonic conductors, with a pull of between 500 and 18,000 kilos, equipped with power control, suitable for the tensioning of multiple conductors (up to four) at the same time
- Hydraulic brakes for the braked tensioning of electrical and telephonic conductors, with a braking power of between 500 and 18,000 kilos, all equipped with braking power control, suitable for braked tensioning of multiple conductors (up to four)
- Driftway winches and manual hoists for the tensioning of electrical and telephonic conductors, with a maximum pull of 18,000 kilos
- Pulleys for the installation and the tensioning of conductors, both simple and multiple, and of the wire ropes of high and medium-voltage electrical and telephonic lines
- Diesel-electric generators, with a power of up to 500 kVA
- Oleodynamic presses for the junction of the conductors, with pressure up to 200 bar and capacity up to 120 t

- Diesel engine compressors, with a power of up to 30 kVA
- Basket cranes up to 30 m
- Vehicles, including four wheel drive off-roaders and vans
- Trucks with cranes and for transport of materials

## CERTIFICATIONS

- Steelworking Workshop: UNI EN ISO 1090-2:2008 + A1:2011
- Steelworking Workshop: UNI EN ISO 3834-3:2006
- Quality: UNI EN ISO 9001:2015
- Environment: UNI EN ISO 14001:2015
- Safety: OHSAS 18001:2007
- Social accountability: 8000:2014
- Energy management system: ISO 50001:2011
- SOA, for the following categories:
  - OG1 Category II
  - OG3 Category I
  - OG9 Category II
  - OG10 Category IV
  - OS1 Category I

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