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SELTA

TECHNOLOGIES FOR IMPROVING NETWORKS,  
CONNECTING PEOPLE AND OBJECTS

[selta.com](http://selta.com)





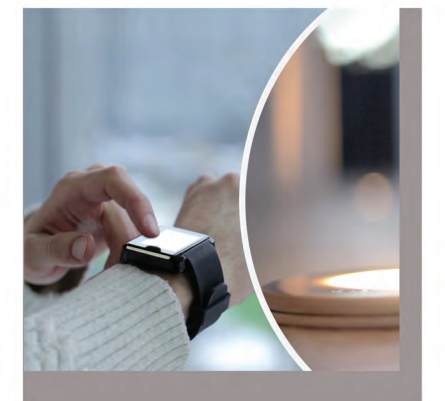
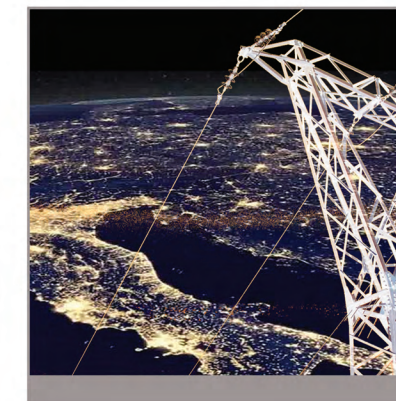
# SELTA, reliability and experience



## LEADERSHIP

SELTA is an Italian technology company active for over 45 years in the innovation of **national critical infrastructures**, from **Electric grid Automation and Smart Grids**, to **Telecommunications, Enterprise Communications and Smart Working, Cyber Security**. The solutions designed by SELTA are targeted at operators in the Energy and Transportation sector, Telcos and Service Providers, private companies of all sizes, institutional bodies and the Public Administration.

With over 170 employees and 2 research centers, SELTA is one of the major Italian technology vendors in its reference markets as well as a recognized European leader in Smart Grid projects and more generally in energy networks automation technologies.



## HISTORY

The history of SELTA begins in **1972**, with the first design laboratory, in Milan, for the development of transmission and automation systems for private networks. After 1980, the year in which all operations were moved to the center in Cadeo (Piacenza), the company also entered the telephone switching and public telecommunications networks market, after having already set itself up with a cutting-edge offer of high performance and low consumption, in the context of electrical networks. In 2011, thanks to an acquisition operation, the company also entered the cyber security sector.

Over the decades it has collected important achievements in both sectors, on the Italian and foreign markets, as well as winning prestigious awards such as the **ANIE Innovation Award** for having developed one of the first hybrid platforms for IP communications.

## INTERNATIONAL ACTIVITIES

In Italy, SELTA operates with 3 reference locations in **Cadeo** (Piacenza), which is also the company's headquarters, **Tortoreto** (Teramo) and **Rome**, offices built according to principles of eco-sustainability with photovoltaic and geothermal plants. SELTA is present internationally with a selected network of commercial partners in **Europe, Africa, Latin America, Middle and Far East**.

## TRACK RECORD

SELTA operates with services, public bodies, companies of all sizes, telecommunications operators, service providers and utilities in over 20 countries worldwide.

Enel and Terna, Telecom Italia, Telefónica de España, Movistar, Wind, Seat Pagine Gialle, Vatican Museums, ENAC, De Longhi, Juventus fc are among the many customers who have trusted SELTA in the Italian and international market over the years. , Sogei, Federal Bureau Revenue Pakistan, Directorate of Public Security.





# SELTA, secure critical infrastructures

## ENERGY INFRASTRUCTURES

SELTA is one of the world's leading interpreters of the transformation of electricity grids and one of the main protagonists in Europe for **Smart Grid** projects. Over the years, the needs of one-way legacy energy networks have changed and today, the increasing complexity, requires strong optimization and intelligent management to which Selta has been able to respond. Smart Grids allow the integration of renewable sources, from large industrial plants to microgrids, requiring a fine ability to adapt operating conditions, as well as an advanced management of services and consumption (Smart Meter).



SELTA is the leading Italian company, protagonist of the evolution of the national high-voltage transport network and medium-voltage distribution network, fielding over 100,000 systems for the **automation** of secondary substations of Enel, the leading energy producer in Italy. For the management and **optimization of the electricity networks**, SELTA was chosen by Terna, the main Italian transmission operator, to ensure maximum network availability, more effective management and a reduction of risks linked to service interruption due to failure or overload.

At international level, SELTA solutions are used, for example, in the management of plants in the high and very high voltage network in Russia, for the transmission grid nodes in Indonesia, for the management of hydroelectric production plants in Africa, for the modernization of medium and high voltage networks in Pakistan.

## TELECOMMUNICATION NETWORKS, CLOUD AND DATA CENTER

SELTA is the leading Italian vendor of Unified Communications (UCC) and Smart Working solutions, a market in which it has extensive experience and expertise as well as a significant installed base. On the subject of IP convergence, SELTA was a pioneer in Italy with one of the first VoIP platforms and one of the first European manufacturers to be certified by Microsoft Corporation for the integration of its UC solutions.

It has been one of TIM's main suppliers for years. Selta's communications offer includes UCC and Smart Working-oriented platforms, Virtual IP-PBX solutions for public and private clouds, application suites for fixed / mobile convergence, mobile app.



SELTA's solutions for the ultrabroadband have supported over the years the evolution of telecommunications networks in Italy and, even today, they are among the main protagonists of the technological innovation necessary with the spread of smartphones and video services. The solutions are designed for multiple scenarios: from **Carrier Ethernet** multi-service access, to **FTTx** technology using **enhanced vectoring and g.fast**, to **bonding** solutions for the backhaul of mobile networks.

## CYBER SECURITY

SELTA designs and implements solutions for **classified areas of Defense** bodies and organizations that manage critical infrastructures requiring a high level of **ICT security**. SELTA's activity in the sector concerns the consulting and design of secure networks. In addition to cyber security, there are physical and environmental security (access control, alarm and video surveillance systems) and logical security (data and network security, disaster recovery and so on). SELTA team dedicated to Cyber Security, specialized and equipped with specific certifications, conducts the activities within the laboratories according to internationally standards and protocols recognized by the competent authorities.



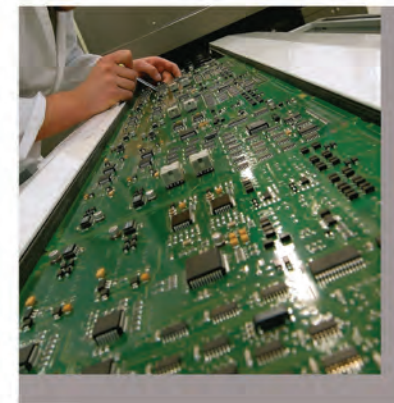


# SELTA, the ideal partner



## INNOVATION AND RESEARCH

Thanks to its ability to innovate, to understand and anticipate the needs of markets and customers, SELTA is today the only Italian company leader in the fields of automation and public and private telecommunications. The optimization in the management of electrical networks through automation and control technologies have been the basis of the great successes of the company since its birth, in 1972. Over the years, the company's laboratories have marked a series of firsts in Italy and in Europe in various sectors, from powerlines to electrical protections, from digital telephony to IP, to broadband.



There are two main **R&D centers**, in Cadeo (Piacenza) and in Tortoreto (Teramo), specialized respectively in automation of electricity networks and in telecommunications networks. Selta works with **prestigious research institutes**, universities and laboratories of international partner companies to ensure constant innovation and the updating of its professionals. Some of the most innovative solutions - from terminals interface to the management of powerline networks - are the result of important academic partnerships. The company also participates in research projects both at national and European level, particularly in the field of Smart Grids.



## SOCIAL RESPONSIBILITY

SELTA engages in **social responsibility** projects ranging from support to people in need, to initiatives in the medical sector, up to cultural, scholastic and sporting ones.

Among the initiatives we can mention the fundraising, managed by the employees themselves in collaboration with Italian non-profit organizations, aimed at realizing special projects in Africa that led to the realization, for example, of wells in the African country Tin Tan.

### Attention for young people

SELTA's attention to young people takes place at all levels. In schools, the company was one of the first to join and actively participate in the **"Support a class"** project, born thanks to the close collaboration between schools, local companies and Confindustria with the aim of creating a close connection between the school and the world of work. This three-year project, then replicated nationally, ended in 2016 and allowed students to learn more directly about the world of work, working closely with technicians, designers and managers. The project took the form of a real "pilot" stage in the context of **school-work alternation**.

### Environmental Sustainability

SELTA is committed to environment care and attention in order to protect future generations and has made it a real value that goes beyond the **directive 20/20/20** imposed by the European Community on energy emissions and their reduction by 2020. With this orientation, SELTA has made its production and management processes compliant to the best environmental sustainability standards (ISO 14001: 200415 certification). Furthermore the company is directly involved in the use of **renewable sources** in its own buildings.

