

ELSEL:

Technologically Advanced Enterprise

ElseL is one of the advanced technological reality in Italy, ISO-9001 certified since 1997, currently ISO-9001 2008, also provided with ISO-14000 2004 and AQAP 2110 certifications, is organized to perform the complex tasks that its customers, the major national and worldwide industrial groups, commit it.

ElseL takes pride of a 25+ years' experience in the field of design, manufacturing, and maintenance ranging from electronic modules to weapon systems.

The design and manufacturing of the equipment is mainly developed on customer's specifications or operational needs, this has meant the acquisition of multidisciplinary experiences into the company and an ability to comply with customer needs.

Directly or through subsidiary companies (Eltrade srl and DUV GmbH), the company also deals in brokerage activity on electronic parts/ mechanical equipment/ chemical materials/ electrical cables/ etc.

Due to the presence of partners in USA/ Germany/ UK/ etc, it is able to find out the best conditions of purchase and availability of materials required for its own equipment and customer needs.



The Company

ElseL is established in a 5000 square meters building in which are located all the departments required to ensure a modern functionality.

Besides the design and assembly areas, administrative and management offices, a warehouse of more than 500 square meters and conference rooms, the company has laboratories to perform:

- environmental testing
- shock and vibration testing
- wind tunnels testing
- underwater testing
- vacuum molding
- silicon potting
- RF analysis and measurements (up to 20GHz)

ElseL staff is composed of 35 employees divided in different business areas.

Most of the staff members are electronics and mechanical engineers working in:

- research and development
- manufacturing and testing

The commercial department is organized to support and follow customers worldwide



ELSEL s.r.l.

Via Fontevivo 21/M, 19125, La Spezia (Italy).

Tel: +39-0187-518555

Fax: +39-0187-563501

E-mail: elsel@elsel.it

Web: www.elsel.it

Products

Elasel has developed a wide range of products designed to operate in harsh environments such as the military (land, sea and air) and railway ones. In its factory the company has test equipments to submit its products to environmental testing (fast thermal room, vibrating table, etc.).



The main Elasel products and services are:

Defence (Navy/ radar /avionics)

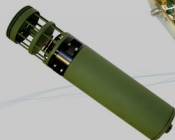
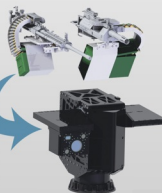
- Power supplies /battery chargers/inverters for UPS systems for Navy units
- Rotary frequency converters for Navy units
- Monitoring system of environmental conditions for VLS launcher
- Equipment for radiation monitoring
- Equipment for synchro signals amplification and distribution
- Cables supply
- RCS and attenuation measurements on waveguides and cables up to 20GHz
- Air drying equipment for waveguides
- Management and distribution system for video signals
- Power supplies for radars
- Power distribution units
- Antenna Motor Drive Unit for civil and military ATCR antennas
- Distribution and video conversion system for EH101 helicopters
- Special cabling
- Electronics boards for MU90 torpedo rudders control
- Underwater cables
- Equipment for torpedo testing
- Harnesses for Black Shark torpedo
- UPS unit for MEADS system
- Spike missile wiring and assembly
- De-icing systems

Defence (Army)

- Dual weapon Remotely operated weapon station
- Optronic head with daylight camera, IR camera, LRF
- Infrared Night vision rifle scope
- Tactical vehicles power packs, wiring and dashboards
- Vehicles upgrade and conversion kits
- Special vehicles
- Ballistic computer
- Weather sensor for ballistic correction
- Sensors for TURMS fire control systems installed on main battle tanks
- Control panels
- Tilt sensors
- Special power supplies
- Power distribution units
- Servo control units
- Telemetry transmitters
- Guided projectiles telemetry
- Special wiring

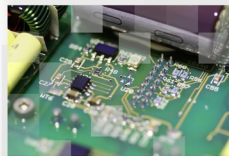
Railway

- Transponder for railway signaling (Eurobalise)
- TX-RX Antenna for train subsystem
- RF Transmitter for train subsystem
- Eurobalise programming tool
- Most of these devices are part of ERTMS system
- Power supply / battery charger for locomotives
- De-icing systems for railway switches



Design

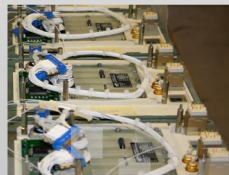
Computer aided electrical and mechanical design, specialized simulation tools, and company database support and optimize the design process. Special care is given to the accuracy of supplied documentation, that is fully computer managed and delivered in the most common file formats.



Manufacturing

The manufacturing covers a 1000 square meters area. The well-established cooperation with the major industrial groups has improved the professional skills covering a great variety of different technologies required to manufacture high performance products.

- The main activities are:
- Electrical-Electronic-Mechanical equipments assembly
- Special wiring / Special cables manufacture (also for underwater applications)
- Electronic boards assembly
- Functional tests



Portfolio

- Selex-ES
- OTO Melara
- MBDA
- WASS
- CSDG
- Ansaldo STS
- GE Transportation
- Bombardier
- BAE-Befors
- Rafael
- Lockheed Martin
- Pindad

