

## **ENT – Empresa Nacional de Telecomunicações, S.A. Company Profile**

ENT is a company established within the EFACEC Group, created in June 1997, which develops, industrializes and supplies telecommunication equipments and solutions for the national and international markets. ENT is an ISO 9001:2000 certified company.



ENT positions itself in the telecommunications market in order to develop, industrialize and sell:

- Telecommunication solutions for Telecom Operators' access network;
- Integrated Solutions for Operation Support for Utilities, in the transport (railways, metros and highways), energy and water market segments. These customised solutions can include transmission, videosurveillance, public information, clock distribution and the operation and management platform.

ENT aims to be an innovative and competitive company in the national and international telecommunication markets, making significant investments in internal R&D, superior to 1 M€ annually. ENT has a significant portfolio of equipment developed internally, focusing in the creation of scientific and technical competencies through partnerships with several universities.

ENT focuses in a high level of competencies in engineering and technical skills of its human resources and has an experienced and highly trained team, with several PhD and MsC, to perform the project, deployment and commissioning of telecommunication networks and services.

Despite being a young company, ENT has already several important references:

- Digital transmission and vide-surveillance system included in the Traffic Management System for the Brisa highways network (approximately 1000 km), in Portugal;
- Integrated solution for the operation support for the Metro of Oporto - Portugal, consisting in 70 stations (including SDH/PDH transmission, vide-surveillance, public information, ticketing, private and emergency telephone sub-systems and the integrated operation and management platform);
- Transmission network for SCADA application for distribution area of Algiers - Algeria (connecting more than 500 places, using different technologies: microwave links, WLL, UHF, etc.);
- Integrated Solution for the Operation Support for the Bursa Light Rail System - Turkey, including the SDH/PDH transmission, vide-surveillance, public address, clock distribution sub-systems and the integrated operation and management platform through Siemens VTW (Germany);
- Telecommunications operation support systems for the most important railway lines in Portugal, including the SDH/PDH transmission, public information, clock distribution, private and emergency telephone, radio network, data network, and power supply systems and technical maintenance;
- Digital multiplexing and cross-connect systems for Telemar and Brasil Telecom (Brazil), using internally developed equipments.



ENT will continue its investment in the creation of strong technical competencies and the development of advanced products, in order to fulfill the needs of its Clients.