

Consultancy Services for the Implementation of Oporto Underground Network



SENER XTRANSPORTATION / XURBAN TRANSIT / XMETRO / PORTUGAL

CONSULTANCY SERVICES FOR THE IMPLEMENTATION OF OPORTO UNDERGROUND NETWORK

Cliente: METRO DO PORTO, Fecha inicio: enero del

S.A

1994

País: Portugal

Fecha fin: enero del 2005

Technical Assessment to Metro do Porto, S.A for the implementation of the 1st phase of the Oporto Underground Network The consultancy services included the drafting of the technical and economic feasibility studies, drafting of the basic project for the international call for tenders of “Design and Build, Operate and Transfer”, evaluation of bids and subsequent negotiation of the BAFO (Best And Final Offer). Technical Assessment during building and start up phases.

Main technical characteristics:

- Light Rail network initially comprised of four lines with a total length of 68 km (6,5 km tunnel) and 71 stations (10 underground). It serves seven of the nine municipalities of the Metropolitan Area of Oporto, and is connected to the international airport of Pedras Rubras.
- Power supply: 750 VDC.
- Rolling stock: 72 “Eurotram 2000” vehicles.

As leader of the ENSITRANS, AEIE group, Sener was in charge of the Technical Assessment, which included, in the initial stage, the drafting of the technical and economic feasibility studies, drafting of the preliminary design for international call for tenders for “Design and Build, Operate and Transfer”, assessment of bids and subsequent negotiation of the BAFO. In the building phase (as of Mar/99) SENER was in charge of the management and revision of the detailed design, supervision of the manufacture and assembly of the rolling stock, and technical assistance in the system certification process.
