



TRINDADE I /TRINDADE II STATIONS

BASE DESIGN AND DETAILED DESIGN (INTERNAL AND RETAINING STRUCTURES); TECHNICAL ASSISTANCE TO THE CONSTRUCTION



Client: Consortiums Normetro / Transmetro

Location: Metro Do Porto, Portugal

Design date: 2001

Construction date: 2004 - 2005

Design by: Design by Daniel Sousa (developed at Viaponte, S.A.)

Services: Base Design and Detailed Design (Internal and Retaining Structures);
Technical Assistance to the Construction

Construction: Soares da Costa, S.A. / Impregilo S.P.A.

Summary:

Two stations (underground and surface) of the Oporto Metro network with 4 500 m² total deployment area.



The project included the design and development of the structural project, excavation projects and retaining systems, several additional studies, and construction monitoring. These stations were designed by the famous architect Eduardo Souto Moura. These were particularly demanding underground structures because of its geometry, size, spans and also because of its location inside an urban area, a very heterogeneous solid mass and full of underground water.

Construction cost: 20 000 000 €

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