



## SANTANA DO CARTAXO VIADUCT

PRELIMINARY STUDY, EXECUTION PROJECT, TECHNICAL ASSISTANCE TO THE CONSTRUCTION



**Client:** REFER, E.P.E. (Portuguese Rail Network)

**Location:** Modernization of the North Railway Line - Segment 1.4: Azambuja – Vale de Santarém

**Design date:** 2004 - 2004

**Construction date:** 2005 - 2006

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

**Services:** Preliminary Study, Execution Project, Technical Assistance to the Construction

**Construction:** Mota-Engil, S.A.

**Summary:**

1300 m long railway viaduct of prestressed reinforced concrete, with a 30 m long standard span, built with movable scaffolding system. The viaduct crosses an alluvial edge along the Tagus river and it is founded 50 m deep in a high seismic risk zone, forcing the adoption of a complex damping system for horizontal actions.

Total length / Span / Height / Width:

1312m / 30m / 12m / 12,3m

**Construction cost:** 11 500 000,00 €

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