

Project	Algeria, Thenia – Tizi Ouzou
Client	Construction company, Özgün Sirketler grubu (TR)
Consulting services	2009 Geological Investigation, Detail Design
Total cost	€ 50 Mio.
Technical data	Length: T01=201,0m (tunnel Thenia) T02=1513,0m (tunnel Naciria) T03=814,0m (tunnel Tadmaït) T04=307,0m (tunnel D.B.K.)



Description	<p>Track improvement works are planned between the capital of Algeria and O Aïssi. The new railway line will be electrified and extended from one into two tracks with a design speed of 160km/h. The length of the last lot Thenia and Tizi Ouzou is 50km, which includes many viaducts and 4 tunnels.</p> <p>The geology basically consists of marl, which is highly weathered at the surface. In the area of the existing tunnel Thenia made fill and Sandstone is predominant</p> <p>The first existing tunnel has to be enlarged and will be built in cut and cover construction. The second and third tunnels will be constructed with NATM. The fourth tunnel will be built in cut and cover construction.</p>
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