

## Tunneling and geotechnics

### Vodole tunnel

**Project type**  
tunnel

**Location**  
Slivnica - Pesnica, Slovenia

**Investment value**  
170.000,00 €

**Year(s)**  
2006

**Services**  
building permit design,  
tender design.

**Investor**  
DARS d.d.



Vodole tunnel is located at the north eastern part of the Slovenia. It is relatively short tunnel, but in some ways very specific. Two for Slovenia completely new approaches have been applied in the aspect of designing and will be used during the construction. This is the first tunnel with a central pillar applied. That means, that primarily the small tube is being excavated, later a central pillar is formed inside, after that two main tubes are being excavated. This method enables two tubes run parallel in a minimal inbetween distance. The other novelty is matrix system at the proces of cost evaluation and work financial balancing. It brings transparency and simplicity, both for investors and constructors.