

SERVICES PROVIDED

Feasibility Studies

- Planning
- Economic analysis, tunnel cost estimation
- Tender document preparation
- Conservation of evidence

Project Management

- BIM projects
- GIS projects
- Client representatives

Consultancy

- Insurance claims expert witness advice
- Expert qualifying advice
- DRB assistance
- Arbitration and dispute resolution

Geotechnical monitoring

- Monitoring plans
- Vibration monitoring plans
- Process controlling

Detailed Design

- Segmental lining design
- Steel fiber design
- Rock support and final lining design
- Portal and shafts design

Construction supervision

- Works engineering supervision
- Expert assistance
- Tunnel rehabilitation

Geological and Geotechnical assessment

- Field investigation
- Face pressure computations
- Settlement analysis
- Ground treatment definition

TBM selection

- Construction method and equipment selection
- Technical specification for mechanised tunnelling
- TBM commissioning

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**TUNNEL
CONSULT**
Engineering for tunnels

Tunnelconsult Engineering SL is a private, service oriented consulting and engineering firm in underground works, integrated by experienced professionals carrying a broad spectrum of expertise covering geotechnical, structural, hydrological and construction aspects in conventional and mechanised excavation. Registered in 2004 as a professional company, the firm was converted to a limited company in 2014 in order to better cope with the steady company growth.

Tunnelconsult consulting services are tailored and directed at other Engineering firms, private and public entities, Governmental Agencies and Construction Companies. Skilled team of engineers from various fields give our Company the ability to provide a wide range of consulting and engineering services in the field of tunnel engineering management, tunnel design and tunnel consultancy, including a valid support in underground works execution.

Our firm is actually involved in rail, metro, highway and water conveyance projects on international basis. Our services range from the initial stages of a project at feasibility study to the final stages of implementation and works commissioning, including construction methods, equipment selection, temporary and permanent works detailed and final design, methods statements, and auxiliary facilities for logistic management.



Torito Hydroelectric Project



Istanbul Metro Line-Üsküdar-Ümraniye-Çekmeköy



Caltanissetta highway tunnels Sicily



Barcelona Metro - Line 9



Aked Tunnel N1