

Geological Engineering

Expertise Tunneling, Geotechnical Engineering

Education Bachelor of Science (Geological Engineering), 2001
Universidad Politécnica de Catalunya - Universidad de Barcelona, Spain

Professional Experience

2010 – Present *Itasca S.A., Santiago de Chile, Geomechanics Engineer*

2010 *CYE Consult SPRL, Barahona, Dominican Republic, Tunnel Engineer*

2008 – 2009 *Independent Consultant, Barcelona, Spain*

2007 – 2008 *Fomento de Construcciones y Contratas (FCC), Barcelona, Spain
Tunnel Engineer*

2006 – 2007 *Consultec SL, México DF, Mexico, Geotechnical Engineer*

2005 – 2006 *Sondeos Inyecciones y Trabajos Especiales S.A.(SITE), Barcelona, Spain
Production Engineer*

2004 – 2005 *Auditorías e Ingenierías S. A. (AUDING), Barcelona, Spain
Engineer*

2002 – 2004 *Euro Geotécnica S.A., Barcelona, Spain, Geotechnical Engineer*

2001 – 2002 *Ingeniería Geotécnica, Proyectos y Servicios (IGPS), Barcelona, Spain
Geotechnical Engineer*

2000 *Ministerio de Obras Públicas (MOP), San Salvador, El Salvador
Training Engineer*

Project Experience

Tunneling: Designed tunnels (excavation and support) in Spain and Mexico using two- and three-dimensional numerical models. Monitored geological and geotechnical data for tunnels in Spain and Dominican Republic. Evaluated rock mass properties, convergence and support design.

Slope Stability: Conducted a stability analysis on large landslides in Andorra. Participated in the European project ROCKFOR regarding rock fall risk. Completed a specialist report on the large mudflow event in Ibiza, Spain.

Civil Engineering: Supervised field exploration campaigns. Inspected, supervised and executed control of micropiles, micropile umbrellas, piles, anchors, rockbolts and grout injections.