



Thomas Marcher

Civil, Geotechnical and Tunnel Engineer

Italian

February 23, 1968

Languages: German (Native), English (Fluent), Italian (Advanced), Spanish (Basic)

EDUCATION

- 2014 Authorised and Certified Court Expert Advisor
- 2013 ZT Engineering Consultant for Civil Engineering
- 2002 PH.D. in Geotechnical Engineering, University of Stuttgart, Germany.
- 1997 M.Sc. in Civil Engineering, Innsbruck University of Technology, Austria.

SUMMARY OF EXPERIENCE

Specialist Civil-Geotechnical Engineer with 20 years of experience in design and construction of underground projects around the world (Europe, Asia, North America, South America). Senior Geotechnical Expert and Project Manager and coordinator involved in the Pre-Feasibility, Feasibility, Design and Construction teams for Tunnels, Hydropower, Power Transmission and Distribution, Dams and Power Plants projects. Vast experience in structural and geotechnical design of hydraulic plants, road, rail, metro, utility, nuclear storage, and hydroelectric pressure tunnels. Experience in soft soils and rock tunnels design including large cross sections (up to 85 m²) and Caverns. Deep knowledge in drill & blast (SEM/SCL) excavation and tunnel-boring machines (TBM). He has expertise in numerical (2D/3D) simulations in rock and soil tunnel excavations, deep tunnels (overburden of up to 2000 m), stability analysis of dams and flood control for river dykes. Large experience in soil improvement, squeezing ground conditions, permafrost, stability analysis. Experience in permit application designs of tunnels, conceptual studies, seaport development and construction study, environmental Impact studies. Responsible of the design included documents and plans control, team management, time and cost studies. Member of the International Society for Rock Mechanics, Austrian Standardization Institute, German and Austrian Societies of Geomechanics.

WORK HISTORY

- 2014- Present Technical Director for SKAVA consulting LLP US
CEO SKAVA consulting ZT GmbH, Innsbruck, Austria
- 2002 - 2013 Technical Director - Head of Geotechnical Department at ILF Beratende Ingenieure ZT GmbH, Rum bei Innsbruck, Austria
- 1998 - 2002 Assistent Lecturer and Co-worker at Geotechnical Engineering Department, Stuttgart, Germany
- 1997 - 1998 Junior Geotechnical Engineer at BGG geotechnical consultant, Vienna, Austria

MEMBERSHIP IN PROFESSIONAL BODIES

- Austrian Standardisation Institute – Project group EC 7-1 and EC 7-2
- DGGT - Deutsche Gesellschaft für Geotechnik
- OEGG - Österreichische Gesellschaft für Geomechanik
- ISRM - International Society for Rock Mechanics

COUNTRY EXPERIENCE

Albania, Australia, Austria, Azerbaijan, Bangladesh, Bulgaria, Canada, Chile, Czech Republic, Denmark, Georgia, Germany, Greece, Ireland, Italy, Jordan, Kazakhstan, Kuwait, Libya, Macedonia, Namibia, Netherlands, New Zealand, Nigeria, Oman, Pakistan, Peru, Poland, Romania, Russia, Saudi Arabia, Slovak Republic, South Africa, Switzerland, Turkey, United Arab Emirates, United Kingdom, USA

PUBLICATIONS, PRESENTATIONS AND TEACHING PRACTICE

Has given more than 75 lectures for professional societies, as well as for various national and international conferences (list available on request).

Author and co-author of more than 100 papers to professional journals and conferences (list available on request).

Lectures in Geotechnical Engineering Practice at Graz University of Technology Austria, since 2012.