



Thomas Marcher

Univ. Prof. DI Dr. Ing. / 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, Shafts, 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 and Caverns. Deep knowledge in drill & blast (SEM/SCL) excavation and horizontal and vertical tunnel-boring machines (TBM). He has expertise in numerical (2D/3D) simulations in rock and soil tunnel excavations, deep tunnels and shafts (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

- 2018 - University Professor and Head of the Institute of Rock Mechanics and Tunnelling at the Graz University of Technology, Austria
- 2018 - Senior Consultant / Professional Engineer (ZT) SKAVA consulting ZT GmbH, Innsbruck, Austria
- 2014- 2018 General Manager SKAVA consulting ZT GmbH, Innsbruck, Austria
- 2002 - 2013 Technical Director - Head of Geotechnical Department at ILF Consulting Engineers ZT GmbH, Rum bei Innsbruck, Austria
- 1998 - 2002 Assistant Lecturer and Co-worker at Geotechnical Engineering Department, Stuttgart, Germany
- 1997 - 1998 Junior Geotechnical Engineer at BGG geotechnical consultant, Vienna, Austria