

## Short CV

Surname and name: **NEUENSCHWANDER Matthias**

Date of birth: 29.11.1960

Nationality: Swiss

Studies and title: Federal Institute of Technology, Zurich (ETHZ), Switzerland  
M.Sc. (Civil engineering) 1985  
  
Mediator SCCM

Position: Owner and Managing Director, Neuenschwander Consulting Engineers Ltd., Bellinzona, Switzerland  
  
Member, Albert Square Mediation Team, London, UK  
  
Door Tenant and Arbitrator, Thomas More Chambers, London, UK

Professional associations: Swiss Society of Engineers and Architects SIA  
Swiss Association of Consulting Engineers USIC

- Swiss International Experts, member of the Steering Committee

Swiss Tunnelling Society STS (member of the committee 2006-2018)  
International Tunnelling and Underground Space Association ITA-AITES:

- Animateur of Working Group 3 (Contractual Practices)
- Chair, joint FIDIC-ITA Task Group 10 "Form of Contract for Underground Works"

Swiss Chamber of Commercial Mediation SCCM  
International Society for Rock Mechanics ISRM  
Dispute Resolution Board Foundation DRBF  
Dispute Board Federation DBF  
Italian Tunnelling Society SIG  
Order of Engineers and Architects of Ticino, Switzerland OTIA  
Association of Ticino Engineering and Architecture Firms ASIAT  
Swiss Blasting Society SVS

Languages: German mother tongue  
Italian fluent  
French fluent  
English fluent  
Spanish fluent

## Positions held

- Since 2014: Owner and MD, Neuenschwander Consulting Engineers Ltd., Switzerland.  
Adjudicator, Arbitrator and Mediator.
- 2012–2014: Managing Director with Lombardi Engineering, Ltd., Switzerland.
- 2004–2011: Member of the board with Lombardi Engineering, Ltd., Switzerland.
- 1999–2005: Resident Engineer, Gotthard Base Tunnel, Bodio Sector, Switzerland.
- 1995–1999: Partner, NN INGEGNERI SA, Consulting Engineers USIC, Bellinzona, Switzerland.
- 1989–1995: Project manager with Losinger Ticino SA, Bellinzona, Switzerland.
- 1989: Engineer with Losinger (USA), Inc., Bellevue (WA), USA.
- 1988–1989: Project manager school constructions with SWISSAID-Chad, Africa.
- 1986–1988: Engineer with "Projet Comportement des Sols au Niger" (ETHZ/SDA), Africa.
- 1985–1986: Assistant with the Geotechnical Institute, ETHZ, Switzerland.

## Teaching activities

- 2000–2010: Professor, Project management, University of Southern Switzerland, Mendrisio, Switzerland.
- 1996–2000: Professor, Project management, University for Applied Sciences, Lugano, Switzerland.
- 1985–1988: Engineer and scientific assistant, Federal Institute of Technology, Zurich, Switzerland.

## Selected projects

### **Expert, Agua Negra Tunnel (Argentine-Chile, 2017-ongoing)**

Expert advisor to the Employer (Entidad Binacional Túnel Agua Negra EBITAN) for the drafting of the Tender Documents for a 13 km long twin tube road tunnel across the Andes, including a ventilation shaft and adit. Portals at 3'600 and 4'000 m.s.l. respectively, overburden >1'500m. Application of the concepts of the FIDIC-ITA Emerald Book. Client: Interamerican Development Bank.

### **Expert, Hi Luminosity LHC Project (Switzerland-France, 2017)**

Expert advisor to the Construction Department for the design of the construction contracts according to the new FIDIC Form of Contract for Underground Works. Client: European Center for Nuclear Research CERN.

### **Coordinator, new motorway connection A2/A13 Bellinzona-Locarno (Switzerland, 2015-ongoing)**

Coordinator of the executive committee for the general design. Length: 13 km, planned investment: 1.3 billion CHF, mined tunnels 6.5 km, cut&cover tunnel 1.8 km. Client: Department of Territory, Canton Ticino.

### **Marti vs. Canton Audit of the update of the budget of the project of Swiss radioactive waste repository (Switzerland, 2015-2016)**

Member of the advisory team, lead, risk analysis.. Client: NAGRA.

### **Adjudicator, Belchen motorway tunnel (Switzerland, 2015-ongoing)**

Member of the Dispute Adjudication Board for the „Belchen Refurbishment Tunnel“, Highway Tunnel (l=3.2 km) across the Jura in limestone formations with swelling ground and Karst. Contract Parties: Federal Road Office FEDRO (Employer), JV Marti Belchen AMB (Contractor), Switzerland.

**Adjudicator, Road refurbishment Monte Ceneri (Switzerland, 2015-2016)**

Ad-hoc adjudicator in a dispute between the Ticino Road Authority (Employer) and the JV Monte Ceneri (Contractor) regarding a claim of over 2 Mio CHF.

**Chair, Task Group 10 FIDIC-ITA "New Form of Contract for Tunnelling and Underground Works" (International, 2014-ongoing)**

Chair of the multinational and pluridisciplinary joint task group of the *International Federation of Consulting Engineers* (FIDIC) and the *International Tunnelling and Underground Space Association* (ITA-AITES) for the drafting of a new FIDIC Form of Contract for Tunnelling and Underground Works.

**Risk, Technical and Contracts Expert, CEVA, new rail link Geneva-Annemasse (Switzerland-France, 2014-ongoing)**

New rail link Geneva central station - Annemasse (France). 16 km railway line in urban area, of which about 10 km new line. Commissioning scheduled for 2019, investment: 1'600 Mio CHF.

Expert advisor to the Employer for risk management, underground, civil, rail works and for contracts. Employer: Swiss Federal Railways and Canton Geneva, Switzerland.

**Auditor, Swiss Federal Road Authority FEDRO (Switzerland, 2015-ongoing)**

Auditor of large infrastructure projects on behalf of the FEDRO inspectorate of finances. Client: FEDRO, Switzerland.

**Ogliastrillo-Castelbuono tunnel (Italy)**

Final design of a twin-tube railway tunnel in Sicily (l=10 km). Project director. Client: Toto Spa., Chieti, Italy, on behalf of RFI (Employer).

**Tunnel T48 (India)**

Preliminary/Final Design and Supervision, railway tunnel (l=10.2 km) with service tunnel on the Udhampur-Srinagar line in Jammu-Cashmere. Project director. Employer: IRCON, N. Delhi, India.

**New motorway connection A2/A13 Bellinzona-Locarno (Switzerland)**

Feasibility study in participation methodology for a new motorway connection in Ticino. Coordinator of the political project directorate. Client: Canton Ticino, Switzerland.

**Oudayas tunnel, Rabat (Morocco)**

Road tunnel underneath the historical Oudayas fortress in Rabat. Project coordinator for underground works. Employer: Agence pour l'Aménagement de la Vallée du Bouregreg, Morocco.

**Vedeggio-Cassarate tunnel (Switzerland)**

Road tunnel in urban area (l=2.63 km). Owner's engineer. Employer: Canton Ticino, Switzerland.

**AlpTransit, Gottard base tunnel (Switzerland)**

Twin tube railway tunnel across the Alps (l=57 km) with high overburden, total length of tunnel system: 155 km. Resident engineer Bodio (2000-2005); Expert for risk management (2006-2014); Project Director (2008-2014). Employer: AlpTransit Gotthard AG, Switzerland.

**Gotthard motorway tunnel, support and refurbishment after tunnel fire (Switzerland)**

Support and refurbishment of the tunnel (l=17 km) after the tragic tunnel fire on 24.10.2001. Support and safety manager. Employer: Canton Ticino, Switzerland.

**Task Force PTL (Switzerland)**

Coordinator of the task force in charge of the evaluation of the "Lugano Transportation Plan" (investment 800 Mio CHF). Drafter of the guideline for the management of large infrastructure projects in the Canton Ticino. Client: Ticino Government, Switzerland.

Bellinzona, July 2018