



Name Harald WAGNER, PhD PE
Profession Consultant for Underground Infrastructures with 40+ years of Professional Experience in Engineering, Design and Consultancy.
Born 19/09/1941
Nationality Austrian

EDUCATION

1974 Technical University Graz / Austria
PhD Degree in Geotechnical Science
1970 Technical University Graz / Austria
Masters Degree in Civil Engineering

OTHER TRAINING

1992 Geomechatronic Center Linz, associated with RISC (Research Institute for Symbolic Computation), JKU University Linz / Austria
1972 Post Graduate Education, Prof. Steinfeld, Hamburg / Germany

AWARDS

2007 ITA Award Winner and Executive Council Expert
2004 ITA-Vice President, elected in Singapore
2002 Upper Austrian Government Economic Award "Pegasus"
2002 ITA (International Tunnelling Association),
Member of Executive Council
2002 Certified Expert at Court for Tunnelling and Foundation Engineering
2001 Government Counselor h.c. awarded by Austrian President of Federal Republic
2000 Austrian State Award for Consulting
1983 Chartered Master Builder of Austria
1980 Chartered Professional Engineer of Austria
1974 Theodor Körner Award from Austrian President of Federal Republic

LANGUAGE & PROFICIENCY

German: mother tongue
English: perfect (read, spoken, written)
Spanish: fluent (read, spoken, written)
Swedish: fluent (read, spoken, written)
French : fair (read, spoken, written)
Slovenian: fair (read, spoken)

MEMBERSHIPS

- Austrian Association of Engineers and Architects
- Austrian Society for Geomechanics
- Austrian Standardization Institute
- ASCE American Society for Civil Engineers
- German Society for Earth Work and Foundation Engineering
- International Society for Soil Mechanics and Foundation Engineering
- International Society for Rock Mechanics
- Austrian National Tunneling Society, Board Member
- International Tunneling Association
- SPET Society of Professional Engineers of Thailand, Member
- TUTG Thailand Underground & Tunnelling Group, Member
- TUST Tunnelling & Underground Space Technology, Editorial Board Member (2010)
- National Academy Research Council, Committee Member on Tunnels & Underground, Washington D.C., USA, (2000 – 2003).
- WTC (World Tunnel Congress) ITA 1997, „Tunnels for People“, Vienna, Austria. Head of 'Underground Consulting Group'.
- Tutor of ITA Working Group 2, “Research and Development”
- Member of ITA Working Group 17, “Long Tunnels at Great Depth” Austrian Federal Chamber of Engineers
- Consultant to the World Bank for more than 15 years.

HONORARY MEMBERSHIPS

Russian Tunnelling Society
Asociacion Colombiano de Tuneles y Obras Subterraneos
Japanese Tunnelling Society
Korean Tunnelling Society
Egyptian Tunnelling Society
Asociacion Francaise de Tuneles et Travaux Souterraine

COUNTRIES OF WORK EXPERIENCE

Austria, Germany, Switzerland, Italy, Czech Republic, France, Hungary, Poland, Cyprus, Canada, USA, Mexico, Puerto Rico, Colombia, Bolivia, Peru, Egypt, Iran, Iraq, India, Nepal, Singapore, Turkey, Vietnam, South Korea, PR China, Japan, Hongkong, South Africa, Thailand, Saudi Arabia.

PUBLICATIONS

“TBM Tunnelling Trends” (Baalkema, 1996); “Tunnels for Tomorrow in Soils, Rock and Water” (Compendium, 2009); More than 150 published scientific papers, concerning relevant aspects in design and construction, engineering, supervision and consultancy of underground infrastructures.

Lecturer for Universities and Professional Organisations (e.g. ITA, AMITOS, ASCE, ISCE, KSE) in Austria, Germany, USA, Japan, Korea, Italy, Colombia, Iran, Thailand, etc.

QUALIFICATIONS

- Unique individual Combination of Scientific & Practical Experience in **Tunnel Construction Contracting** (15 years) and in **Tunnel Consultancy** (25 years).
- **Multicultural Project Experience** in more than 30 countries on 5 continents.

- Combining fundamental Tunnelling Knowledges of Conventional & Mechanized Technologies with **Analytical Capabilities & Negotiation Skills.**
- Talent to achieve **Win Win Solutions** in conflicted contracts leading to successful completion through development of Creative Views & Common Goals,
- **Networking Capabilities** and open mind together with fair sharing of strength and comprehensive understanding of technical issues

EMPLOYMENT RECORD

03/2009 - date

Dr.Harald Wagner Consulting Engineer

Bangkok 10220, Thailand (main office)

Vienna, A 1070, Austria (liaison office)

Infrastructure Consultant & Tunnelling Expert.

Internationally reputation in Conventional (NATM) tunnels and in TBM-driven tunnels in soft soils & hard rock.

1985 – 02/2009

D2 CONSULT Dr. Wagner Dr. Schulter ZT-GmbH

Hirschgasse 32, 4020 Linz / Austria

Position held

Founder, Managing Director, and Senior Partner

Headquartered in Linz /Austria with offices in Beijing / China, Bogotá / Colombia, Prague / Czech Republic, Berlin / Germany, New York / USA and Bangkok/Thailand.

Description of Jobs and Duties

Promoting new and synergetic Tunnelling Technology, combining Geotechnical Engineering of Conventional Tunnelling (NATM) with Mechanized Tunnelling (TBM) of continuous excavation and lining installation during operations using Universal Segmental Linings.

1974 – 1985

Beton- und Monierbau GesmbH / Austria

Bernhard-Höfel-Straße 11, 6020 Innsbruck / Austria

Position held

Manager for Engineering & Design

Description of Jobs and Duties

Geotechnical & Structural Design. Cost estimates of underground construction projects. Work in head office & on construction site.

1972 - 1974

Technical University of Graz / Austria

Department of Civil Engineering, Soil Mechanics and Foundation Engineering, Rock & Mechanics and Tunelling

Rechbauerstraße 12, 8010 Graz / Austria

Position held

Assistant Professor with Prof. Christian Veder

Description of Jobs and Duties

Ph.D. Thesis in Soil Mechanics

University Lecturer “ Soil Mechanics and Foundation Engineering “ for Architects.

1970 - 1972

Geotechnical Laboratory Prof. Steinfeld, Hamburg / Germany,

Alte König Straße 3, 22767 Hamburg / Germany

Position held

Civil Engineer in Prof. Steinfelds Team

Description of jobs and duties

Design and calculations for shallow and deep foundations.