

CURRICULUM VITAE

SHUHUA ZHOU

Mr. Zhou is a Geotechnical Engineer with over 23 years of experience in the field of infrastructure projects. From 2000 to 2014, he was working at the front project: proposals, detailed engineering, project management, procurement, execution of work and claims mainly for water transfer projects, water treatment plants & conveyance systems, road tunnels, underground caverns, hydropower projects and open pits and underground mines. He has operated in Canada, North Africa, Asia and France. From 2005 to 2014, he has been involved in the construction of major infrastructure projects and was responsible of multidisciplinary design and construction professionals. From 2014-2017, he has been involved particularly in the management combining Engineering and Construction, contract management, business development and client development. From 2017-2018, he was working in the Africa's tallest Tower construction project in Morocco as project manager. From June 2018 to December 2019, he worked in Montreal's REM project as senior EoR geotechnical engineer. Since October 2019, he begun STM's subway blue line extension project as director of Geotechnical and Environment. Mr. Zhou is fluent speaking and writing English, French and Chinese, and is the author of various technical papers.

Mr. Zhou has strong ability to manage different operations and develop a team internally, a proven ability to establish and maintain client relationships with different cultures by carrying out a close follow-up and quality work in short time, an effective communication and interpersonal skills, and has a highly developed project management experience including in project budgeting, cost forecasting, schedule etc.

Position Title	Last positions: Team leader, Project Manager, Contract Manager, EoR Senior Eng., Geotechnical Engineer
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Education:

Date and Institution	1997, Blaise-Pascal University, Clermont-Ferrand, France
Degree	Ph.D. Geotechnical and Mechanical Engineering

Date and Institution	1993, Pierre and Marie Curie University, Paris School of Mines (Ecole des Mines de Paris) and National College of Bridge and Road (École des Ponts et Chaussées), Paris, France
Degree	DEA (a diploma of M.Sc. in France) in Geotechnical Engineering

Membership in Professional Associations:

- Professional Engineer (P.Eng) Registered with OIQ in Quebec
- Member du CIP, OIQ from 2007 to 2016
- Canadian Engineering Council, Member of FC21 Work Group from 2001 to 2002

Adequacy for the Assignment:

No.	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
1	Name of assignment or project: SNC LAVALIN - project PLB Year: since 10/2019 Location: Montréal Client: STM Main project features: The Blue Line Extension (PLB) project includes 5 new accessible metro stations and 5.8 km of tunnel, 2 bus terminals and 1 park-and-ride lot with 1,200 spaces, 1 underground pedestrian tunnel providing a link to the future Pie-IX BRT, plus 6 auxiliary structures housing operational equipment, 1 power station, 1 metro garage. Positions held: Director of Geotechnical and Environment Engineering team
2	Name of assignment or project: SNC LAVALIN - project REM Year: 06/2018 – 12/2019 Location: Montréal Client: CDPQ NouvLR Main project features: The Réseau express métropolitain (REM) is a new automated light rail network . It includes 26 stations and spans the greater Montréal area with 67 km of tracks with 5 bridges, 25 viaducts (around 500 piles-caisson) and 3.5 km of tunnel. Positions held: Senior EoR Geotechnical Engineer

3	<p>Name of assignment or project: CRCC in Algeria Year: 04/2014 to 08/2017 Location: Algeria Client: National Agency of Highways (ANA), OPGI and AADL under the Ministry of Habitat and Urban Planning, Ministry of Public Works, Ministry of Transport Main project features: Close-out, control of key steps and contract following of EPC contract: Unique Centre lot - 169 km of Est-West expressway project, project of 100 km of expressway connecting to Bejaia port, project of 142 km of Est-West expressway road refection, project of 13 km of expressway connecting to Ghazaouet port, and 6 lodgement building projects. Positions held: Consultant and Director of Contract</p>
4	<p>Name of assignment or project: SNC Lavalin in Algeria Year: 2013-2014 Location: Algeria Client: National Agency of Highways (ANA), Ministry of Public Works, Ministry of Transport Main project features: Director of Engineering (Office in Algeria) and project manager of 2 APD study projects : project of 110 km of expressway connecting to Djen Djen port, project of 160 km of expressway connecting to Tissemsilt. Positions held: Director of Engineering Team</p>
5	<p>Name of assignment or project: SNC Lavalin in Montreal, Construction division – Project of Matala Year: 2011-2013 Location: Montreal, Canada Client: Empresa Nacional de Electricidade – Public Enterprise - E.N.E-E.P, Ministry of Energy, Angola Main project features: project of rehabilitation of the Matala Dam : EPC contract for the repair of Matala dam and bridge, including also upgrading of the 36 existing flood spillway and the addition of eight others. Positions held: Director of Coordination and support to construction</p>
6	<p>Name of assignment or project: Koudiat Acerdoune Drinking Water treatment Plant and Water Supply Year: 2008-2011 Location: Algeria Client: ANBT (National Agency of Dams and Water Supply), Ministry of Water Resources Main project features: EPC contract for construction of a water treatment plant of capacity of 460,000 m³/day and an iron pipe network 73 km long, for various cities. The project includes also construction of four (4) pumping stations, five (5) reservoirs, and access roads. Positions held: Director of Engineering, Deputy Project Manager</p>
7	<p>Name of assignment or project: Twin tunnels of Algeria East-West Highway project – 169 km Centre Year: 2008-2010 (part time) Location: Algeria Client: National Agency of Highways (ANA), Ministry of Public Works Main project features: The tunnels are part of EPC contracts including 169 km of highway project (Lot Centre). The project includes also construction of roads, bridges, viaducts, exchangers and all accessory works. The tunnels are excavated in soft rock with very bad geological conditions. Position held: Consultant and tunnel expert</p>
8	<p>Name of assignment or project: Taksebt: Drinking Water Treatment Plant and Water Supply Year: 2005 – 2008 Location: Algeria Client: National Agency of Dams and Water Supply (ANBT), Ministry of Water Resources Main project features: EPC contract for a water treatment plant of capacity of 605,000 m³/day and iron pipe network 97 km long (Ø1800 to Ø2000 mm) to the city of Algiers. The project includes also construction of a 7 MW pumping station, four tunnels (dia. 2,5 m) totalling 11.5 km excavated with 2 TBMs, 3 reservoirs (22,000 m³ to 50,000 m³), access roads and other related structures. Positions held: Key design Engineer and Resident Engineer of Tunnels lot</p>
9	<p>Name of assignment or project: Different projets of engineering Year: 2001 - 2005 Location: Montreal, Canada Positions held: Project Geotechnical Engineer (Employer: SNC-Lavalin)</p>

Academic positions:

2000-2001 Post-doctorate Researcher at Laval University, Quebec, Canada
1993-1994 Research Assistant at Paris School of Mines, Paris, France

International Experience

Canada, Algeria, France, Morocco, China.

List of Technical Papers available upon request