



**Name:**

Alireza Foroughi

**Contact details:**

15/71 Victoria Crescent  
Abbotsford, Australia, 3067

E: aforoughi@foundationspecialists.com.au

W: www.foundationspecialists.com.au

P: +61 3 9417 4333



**Areas of expertise:**

Foundation engineering, Geotechnical engineering, Power pole design, Pile design, Retaining wall design, High strain dynamic (PDA) pile testing, Low strain integrity testing (PIT), Stability analyses, Driveability analyses, Driveability Review and Bearing Graphs (GRLWEAP), 2D and 3D modelling (Plaxis)

**Qualifications:**

- B.E. (Civil Engineering), (1997 –2003) Amir Kabir University of Technology, Tehran/Iran

**Career Summary:**

Alireza started his career as a planning and project manager in Peyman Ghadir consulting engineers. The job involved project planning and management using computer software and management tools, regularly visiting multiple project sites for progress tracking and planning control, preparing complete monthly reports including task-based progress status and proposed plan and expected critical milestones in the month ahead for multiple projects. Alireza continued working for Peyman Ghadir consulting engineers before he joined Irsa BonSaz Alborz (IBSA) in 2007 as a senior design engineer.

IBSA is geotechnical consulting company based in Iran which specializes in deep foundations and pile testing. Alireza worked for IBSA as a senior design engineer and was involved in design of deep and shallow foundations, retaining walls, sheet piles and piles, stability analyses of berms and excavations and conducting driveability analyses. He was also responsible for managing the engineering staff working in the office. IBSA was also the only certified company in Iran for undertaking High Strain Dynamic Pile Testing (HSDPT or PDA Testing). Alireza was also involved in multiple pile testing projects which required preparation of the pile for testing, conducting the PDA test and collecting data on site. Alireza continued working for IBSA until early 2012 when he moved to Australia.

After moving to Australia, Alireza started working for Foundations Specialists Group (FSG). The experience he had gained during the foregoing years in the field of geotechnics and pile testing helped him to suitably fill the role of senior geotechnical engineer in FSG.

**Employment History:**

**2012 - Current:**

**Senior Geotechnical Engineer – Foundation Specialists Group, Melbourne**

Senior engineer involved in design and design review of deep foundation elements including piles, retaining walls, power pole footings and sheet pile walls. Stability analyses of berms, retaining walls and excavations. Conducting high and low strain pile testing (PDA and PIT) and Driveability analyses (GRLWEAP). Pile installation review and



analysis. Designing special purpose computer programs to facilitate the design process. Experienced PLAXIS 2D and 3D modeler.

**2007-2012:**

**Senior Design Engineer – Irsa BonSaz Alborz, Tehran/Iran**

Design engineer for different geotechnical projects including design of piles, sheet piles and shallow foundations. Undertaking High Strain Dynamic Pile Testing including test preparation, data collection and data review.

**2005-2007:**

**Project Manager – Peyman Ghadir, Tehran/Iran**

Planning and project management, task-based progress tracking of multiple projects, preparation of monthly report.

**Major Projects:**

**Foundation Specialists Group, 2012-current:**

- Cape Lambert Port B
- Haypoint Expansion Stage 3
- South Road Superway, Adelaide
- Port Hedland Outer Harbour (tender stage)
- INPEX Onshore LNG Facility
- NCIG Coal Export Terminal
- Townville Port Inner Harbour Expansion
- Roy Hill Landside Structure
- M80 Freeway Upgrade, Melbourne
- Wiggins Island Coal Export Terminal
- Fremantle Port Upgrade, WA
- Webb Dock, Melbourne
- Yeppen South Bridges Bypass
- Cape Lambert Transfer Station TS502
- Kalang River – NSW
- Newman Transmission Lines
- Wheatstone Material Offloading Facility

Also involved in the 3 big LNG projects in Gladstone – APLNG, GLNG and QCLNG