

## Geotechnical Engineer

### *Expertise*

Soil and Rock Mechanics, Numerical Modeling

### *Education*

Engineering diploma (Mechanical Engineering and Design), 2008  
Institut National des Sciences Appliquées, Lyon, France

### *Professional Experience*

2011 - Present

*Itasca Consultants S.A.S., Ecully, France, Geotechnical Engineer*

2008 - 2011

*SOM Group ORTEC, Villeurbanne, France, Mechanical Engineer*

2007

*EDF Septen, Villeurbanne, France, Engineering Intern*

### *Project Experience*

*Numerical Modeling:* Numerical Modeling of underground nuclear-waste disposal facility. Analysis of the mechanical behavior of a nuclear-waste disposal module loaded by a soil layer to optimize the design of the concrete enclosure that contains nuclear waste.

*Design & Study:* Complete design of a lifting platform for the replacement of steam generators in 900 MW PWR nuclear power plants : overall geometry, hydraulic system (with jacks and cables), transport and installation in the reactor building (congestion), handling of steam generators (interactions with other structures).

Various studies on the overall operation of a PWR nuclear power plant, including the study of the operation of gas distribution networks and the development of a methodology for monitoring wear on steel pipes.