

## PRESENTATION

GroutFreezLAB S.r.l. is a spin-off of the University of Milano–Bicocca with the aim to form a centre of excellence in the field of ground consolidation through grouting and freezing processes. It focuses on the development, production and sale of innovative and high technological value products and services.

The company mission is to consolidate the knowledge in the field of the Permeation Grouting and Artificial Ground Freezing (AGF) processes in order to transfer it into the market creating added value in terms of higher understanding of the materials and processes and, through that, allowing better allocation of resources resulting in improved quality and cost avoidance by reducing overengineering.

## PRODUCTS & SERVICES

GroutFreezLAB Sr.l. is supporting its customers both in its own labs within the University and on the field through cooperation projects and services activities in ground consolidation field, on the basis of specific costumers' requests, of University world proposal/request, or of initiative by GFLAB itself moving from the state-of-the-art analysis.

In the field of ground consolidation processes, such as Permeation Grouting and Artificial Ground Freezing, GroutFreezLAB performs:

- Research, design and realization of advanced equipments and numerical modelling targeted on improvement of measurements, tests and checks finalized to enhance the geomaterials and the connected processes;
- Consultancy and services to Civil engineers, designers, geomaterial's producers and construction companies;
- Analysis and reports on data coming from "in situ" geotechnical trials or lab experiments.

### Team

#### Operative team

Riccardo Castellanza (President, Associate Professor in Geotechnical Engineering), Bruno Perra (CEO, Chemical Engineering), Nicola Bavaresco (Engineering Geology, PhD Student), Andrea Galli (Engineering Geology, PhD Student).

#### Co-Founders

Andrea Pettinaroli (Civil Engineer), Sonja Blanc – Sireg Geotec (Geotechnical Industry), Giovanni Crosta (Professor in Engineering Geology at UNI-MIB), Claudio di Prisco (Professor in Geotechnical Engineering at POLIMI), University of Milano–Bicocca, U4I (University For Innovation).

### Support

Management Innovation, U4I, UNIMIB.

### Sector

Geotech, Civil engineering and soil consolidation.

### Contact

e-mail: [info@groutfreezlab.com](mailto:info@groutfreezlab.com)  
tel: +39 0264482045

