

# GEOTECHNICAL ENGINEERING

egniol



The design of a structure which is safe, economical, durable and has low maintenance costs depends upon a proper understanding of the nature of the ground. This understanding comes from an appreciation of the distribution of the materials in the ground, and their properties and behaviour under various influences and constraints during the construction and lifetime of the structure.

Our engineers are hugely experienced in the application of the principles of soil and rock mechanics to establish the relevant physical/mechanical and chemical properties of the materials in the ground, evaluate the stability of natural slopes and man-made soil deposits, assess risks posed by site conditions, monitor site conditions, and prepare earthworks and foundation design for construction.

## OUR CORE GEOTECHNICAL SKILLS AND SERVICES INCLUDE:

- Environmental geotechnics
- Engineering geomorphology
- Slope stabilisation and ground improvement
- Earthworks
- Foundation design
- Tunnel and bridge design
- Engineering geology & geohazards
- Landfill design
- Geotechnical assessment of quarries

## WE HAVE WORKED ACROSS THE FOLLOWING SECTORS:

- Transportation (Highways and Rail)
- Buildings and Infrastructure
- Waste and Resource Management

Our engineers identify the challenges presented by the ground and develop effective, economic technical solutions.



Dynamic Consultancy