

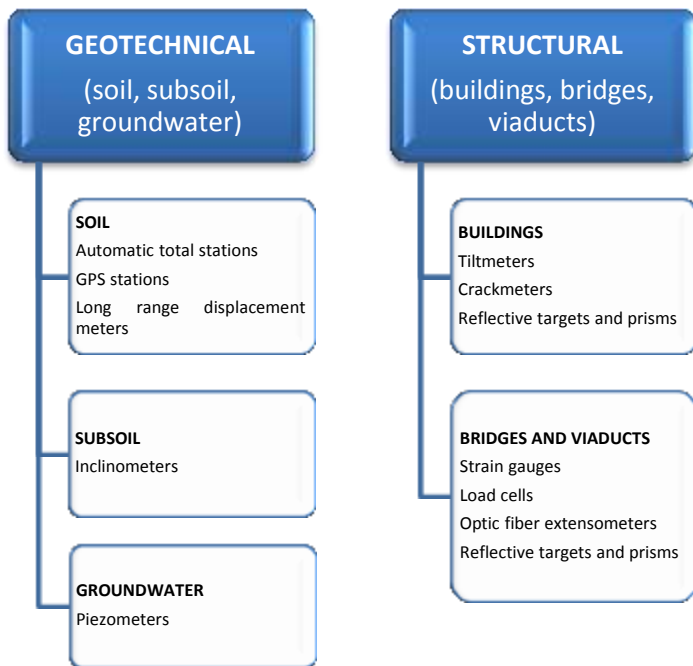
I & C Italia designs and realises systems for landslides monitoring to detect and measure land movements and control buildings and structures nearby the potential unstable slope.

LANDSLIDES MONITORING

Monitoring is an essential tool in areas where landslides and rockfalls occur to control soil and subsoil movements and the structures that can be affected by those phenomena.

The aim of monitoring systems is to learn more about the physical processes that trigger landslides or control their movements for improving prevention and risk management.

Our **monitoring systems** basically consist of two parts:



Strain gauge



Load cell



Inclinometer casing



GPS measurement station



Long range displacement meters

The sensors are used to continuously monitoring the selected geotechnical and structural parameters for a better understanding of the landslides. All of the instruments are attached to an automatic real-time **data acquisition system**.

The datalogger can collect readings and trigger alarms or alerts when the sensors exceed their predefined limits for public safety.



Data acquisition system



Web monitoring on-line portal

Our web portal named “**web monitoring on-line**” allows the client to visualize all the documents related to the project: monitored parameters as graphs or tables, system plots, technical reports and sensors positions and readings on interactive maps. The client can enter a secure dedicated database through our web site www.iecitalia.it simply login with username and password.

I & C Italia offers:

- ✓ design of the system and selection of the appropriate sensors
- ✓ installation of the sensors and data acquisition systems
- ✓ testing of the sensors
- ✓ automatically data acquisition
- ✓ data management on dedicated web portal (Web Monitoring On-line) and interpretation of the data
- ✓ maintenance of the monitoring system
- ✓ drilling for geotechnical instruments installation

Ingegneria & Controlli Italia S.r.l.

Sede legale
Sedi operative

- TORINO - Via Donati, 14
- TORINO
Interporto Sito km 20+500 Tang. Sud - Prima Strada, 5 - 10043 Orbassano - Tel. 011 3975311 - Fax 011 3493790
- BERGAMO
Via Gramsci, 5 - 24042 Capriate San Gervasio - Tel. 02 92864185 - Fax 02 92864187
- TERAMO
Viale Crispi, 17 - 64100 Teramo - Tel. 0861 411432 - Fax 0861 411442
- ROMA
Via Piave, 15 - 00187 Roma - Tel. 345 53 85 753