

I & C Italia designs and realises systems for structural and geotechnical monitoring of civil, industrial, historical and monumental buildings.

## BUILDINGS Monitoring Systems



Monitoring systems provide reliable data on the actual condition of a building, observe its evolution and detects the appearance of new degradations.

Different type of installed sensors allow the real-time assessment of the structure (integrity and structural performance).

Buildings monitoring systems can be divided into **structural** (monitoring of the structure itself) and **geotechnical** (monitoring of subsoil) methods.

I & C Italia provides services for:

- design and implement of the monitoring system
- installation of the sensors and data acquisition systems
- testing of the sensors and data acquisition systems
- web data management (Web Monitoring Online) through our website [www.iecialia.it](http://www.iecialia.it)
- data analysis and technical reporting
- real-time performance monitoring and regular maintenance

I&C Italia can also drill boreholes to install geotechnical instrumentation.

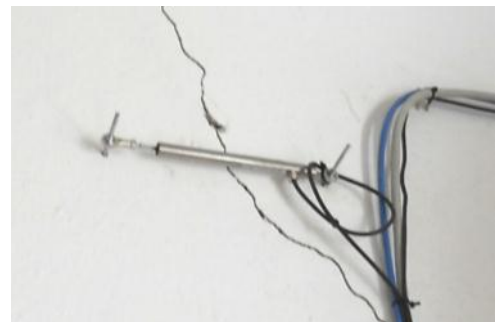


Sensors for **structural monitoring** (static and dynamic):

- Joint or crackmeters
- Tiltmeters
- Liquid settlement systems
- Temperature sensors
- Vibration measurement systems
- Fiber optic sensors
- Reflective targets and prisms
- Total stations



Mini-prism



Crackmeter



Datalogger



Tiltmeter



Vibration measurement system



Web monitoring on-line portal

Ingegneria & Controlli Italia S.r.l.

*Sede legale*

*Sedi operative*

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