



FIELD

MONITORING SYSTEM ENGINEERING

CONSULTANCY
MONUMENTS

DESIGN

TESTS AND MEASUREMENTS

aida

LANDSLIDES

DAMS

ENGINEERING

BUILDINGS

TUNNELS

RAILWAYS

VIADUCTS

DATA MANAGERMENTS

WHO WE ARE

FIELD IS AN ENGINEERING SERVICES COMPANY SPECIALIZING IN GEOTECHNICAL AND STRUCTURAL MONITORING.

FOR OVER 25 YEARS, FIELD HAS SUCCESSFULLY OPERATED IN ITALY AND ABROAD, PROVIDING ITS CLIENTS WITH INTEGRATED SPECIALIST SERVICES RANGING FROM THE DESIGN AND ENGINEERING OF MONITORING SYSTEMS, TO THE SUPPLY AND INSTALLATION OF THE MOST SUITABLE INSTRUMENTATION, UP THROUGH ADVANCED DATA MANAGEMENT.

THE COMPANY RELIES ON AN IN HOUSE TEAM OF HIGHLY QUALIFIED PROFESSIONALS: ENGINEERS, GEOLOGISTS, SURVEYORS AND SKILLED TECHNICIANS.

FIELD OPERATES UNDER A QUALITY MANAGEMENT SYSTEM CERTIFIED TO ISO 9001:2015.



DESIGN

FIELD DESIGNS, IMPLEMENTS, INSTALLS AND MANAGES
GEOTECHNICAL, STRUCTURAL AND HYDROMETEOROLOGICAL
MONITORING SYSTEMS, EVEN THOSE OF HIGH COMPLEXITY

ENGINEERING

WE ALSO PROVIDE TECHNICAL SUPPORT TO
COMPANIES AND CONSULTANTS FOR EXISTING
MONITORING SYSTEMS IN TERMS OF MAINTENANCE,
MODIFICATION, RE CONFIGURATION AND EXECUTION.

CONSULTANCY

OUR NATIONAL AND INTERNATIONAL EXPERIENCE,
TOGETHER WITH APPLICATION OF THE PRINCIPAL INDUSTRY
STANDARDS, MAKES US THE IDEAL PARTNER IN THE
ENGINEERING PROCESS FOR THE DELIVERY OF HIGH
PERFORMANCE MONITORING SYSTEMS THAT COLLECT
ESSENTIAL DATA BOTH DURING CONSTRUCTION AND
THROUGHOUT THE OPERATIONAL LIFE OF THE STRUCTURE.



“DETECT ANOMALIES AT AN
EARLY STAGE”

“MITIGATE RISK”

“OPTIMIZE MAINTENANCE
INTERVENTIONS AND
OPERATING COSTS”





SUPPLY & RENTAL

FIELD HANDLES THE SUPPLY AND/OR RENTAL, IN ITALY AND ABROAD, OF INSTRUMENTATION FOR GEOTECHNICAL, STRUCTURAL AND TOPOGRAPHIC MONITORING.

WE CAN PROVIDE BOTH OFF THE SHELF DEVICES AND FULLY CUSTOMIZED SYSTEMS TAILORED TO THE CLIENT'S REQUIREMENTS.

WE ALSO OFFER COMPLETE TURNKEY SOLUTIONS AS WELL AS INDIVIDUAL COMPONENTS TO BEST MEET OUR CUSTOMERS' NEEDS.

ON SITE SUPPORT

FIELD ASSISTS CLIENTS WITH INSTALLATION, CONFIGURATION, COMMISSIONING AND MAINTENANCE OF MONITORING SYSTEMS AND EQUIPMENT.

MEASUREMENT AS THE PRIMARY OBJECTIVE DRIVES FIELD PERSONNEL TO PERFORM THEIR WORK WITH DEDICATION AND PROFESSIONALISM.

OUR EXTENSIVE EXPERIENCE AND DEEP TECHNICAL EXPERTISE ACQUIRED OVER THE YEARS ENSURE THE BEST POSSIBLE OUTCOMES FOR OUR CLIENTS.

FIELD OVERSEES THE ENTIRE PROCESS:

- SELECTION OF TECHNOLOGIES AND INSTRUMENTATION
- ACCORDING TO PROVIDED SPECIFICATIONS
- CONFIGURATION OF THE EQUIPMENT
- COORDINATION OF ON SITE WORKS
- SYSTEM START UP AND FINAL COMMISSIONING



TEST & MEASUREMENTS

FIELD DESIGNS AND CONDUCTS SPECIAL TESTS ON SOILS, BUILDINGS AND STRUCTURES.

TESTS ARE PERFORMED IN ACCORDANCE WITH APPLICABLE TECHNICAL STANDARDS AND DESIGNED TO THE CLIENT'S SPECIFIC REQUIREMENTS.

THE PURPOSE OF OUR TESTS AND MEASUREMENTS IS TO VERIFY WHETHER THE BEHAVIOR OF A STRUCTURE CORRESPONDS TO THE PERFORMANCE EXPECTED DURING DESIGN.

AVAILABLE TESTS INCLUDE:

- STATIC AND DYNAMIC TESTS AND MEASUREMENTS
- STATIC AND DYNAMIC LOAD TESTS
- STATIC PILE LOAD TESTS
- PILE INTEGRITY TEST (PIT)
- CROSS HOLE TESTS, PULL OUT TESTS AND TDRS
- DEFORMATION MEASUREMENTS
- DYNAMIC CHARACTERIZATION TESTS ON STRUCTURES
- HIGH PRECISION TOPOGRAPHIC MONITORING USING ROBOTIC TOTAL STATIONS, GNSS AND LASER LEVELS
- VIBRATION MEASUREMENTS FOR ASSESSMENT OF POTENTIAL DAMAGE TO BUILDINGS (UNI 9916) OR HUMAN VIBRATION ANNOYANCE (UNI 9614)



DATA MANAGEMENT



THROUGH ITS PROPRIETARY AIDA IOT PLATFORM, FIELD PROVIDES CLIENTS WITH VISUALIZATION, PROCESSING AND MANAGEMENT OF MONITORING DATA FROM A WIDE ARRAY OF DATA ACQUISITION SYSTEMS AND SENSORS.

WITH EXTENSIVE EXPERIENCE IN DATA ACQUISITION AND PROCESSING, FIELD HAS BEEN ACTIVE IN THE DEVELOPMENT OF DATA MANAGEMENT SOFTWARE PLATFORMS SINCE 2010.

20+
YEARS OF EXPERIENCE

250+
PROJECTS WORLDWIDE

100+
ACTIVE CLIENTS

20.000+
INSTRUMENTS MANAGED

TUNNELS



BRIDGES AND VIADUCTS



RAILWAYS AND METROS



DAMS



BUILDINGS AND MONUMENTS



LANDSLIDES



ENVIROMENTAL



SMART CITIES



“EVERY JOB IS A LARGE SCALE EXPERIMENT...”

**“ ... PROVIDED THE OBSERVATIONS WERE RELIABLE AND COMPLETE
ENOUGH TO PERMIT FAIRLY DEFINITE INTERPRETATION”
(KARL TERZAGHI)**





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