

Year	Client/Contractor	Project	Description
2022	Geomonitoraggi Service S.r.l. Pozzuoli (NA), Italy	Capodichino Tunnel Napoli, Italy	Supply of ABS inclinometer casing, digital tiltmeters, DEX-S digital borehole sensors, H-Levels, vibrating wire crackmeters, electric load cells and vibrating wire strain-gauges.
2022	TECHNOFALAK CONTRACTING EST. Jeddah, Saudi Arabia	Makkah service tunnel project Saudi Arabia	Supply of digital H-Level, digital tiltmeters, inclinometer casing, BRAIN systems, WR-Log.
2022	GEOMOTION (AUSTRALIA) Pty Ltd. Malaga, Australia	Sydney Metro West Australia	Supply of electric load cells.
2022	GeoTec-GS a.s. Praha, Czech Republic	Tunnel Pohurka Czech Republic	Supply of vibrating wire strain-gauges and vibrating wire pressure cells.
2022	GeoTec-GS a.s. Prague, Czech Republic	Karlovy Vary Railway embankment Czech Republic	Supply of LT- Inclibus, MD-Profile gauges and WR-Logs.
2022	TMH INSTRUMENTATION, LDA Arcozelo, Portugal	Águas Santas Tunnels, A4 highway Portugal	Supply of vibrating wire piezometers and borehole extensometers.
2022	GeoTec-GS a.s. Prague, Czech Republic	Prague Metro Czech Republic	Supply of vibrating wire strain-gauges.
2022	FREYSSINET MENARD SAUDI ARABIA LTD. Riyadh, Saudi Arabia	Neom Tunnel TAAF Project (CRCC) Saudi Arabia	Supply of horizontal BRAIN system.
2021-22	METRO LINEA 1 (China Harbour Engineering Company Limited y XI'AN Rail Transportation Group Company Limited) Bogotá, Colombia <i>via SISGEO LATINOAMERICA</i>	Bogota Metro Colombia	Supply of settlement gauges, BRAIN system and vibrating wire piezometers.
2021-22	APPLUS PORTUGAL, LDA SIXENSE PORTUGAL SERVIÇOS Portugal	Porto Metro Portugal	Supply of B.R.A.IN. systems, Tilli portable tiltmeter, borehole extensometers, pressure cells, vibrating wire crackmeters and vibrating wire strain-gauges.
2021-22	CEMENTYS S.A.S./SOCOTEC MONITORING France <i>via SISGEO FRANCE</i>	Thung Thi Tunnel Expressway Project Vietnam	Supply of vibrating wire piezometers, casagrande piezometers, water level indicator, digital BH-Profiles, BRAIN system, vibrating wire strain-gauges and borehole extensometers.
2021-22	LPC LATINA Aparecida, Santos - Brasil <i>via SISGEO LATINOAMERICA</i>	Sao Paulo Metro Brasil	Supply of tiltmeters, vibrating wire strain-gauges, vibrating wire piezometers and readout unit.
2020-22	CEMENTYS S.A.S./SOCOTEC MONITORING France <i>via SISGEO FRANCE</i>	Grand Paris Metro Line no. 16 France	Supply of borehole extensometers, vibrating wire strain-gauges, H-Levels, electric load cells and electrical piezometers.
2020-22	ZENSOR NV Bruxelles, Belgium	Bruxelles Metro Belgium	Supply of vibrating wire strain-gauges, borehole extensometers, water level indicator, H-level gauges and WR-Log.



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2020-22	SOLETANCHE POLSKA sp zoo Warsaw, Poland	Swinoujscie Road Tunnel Poland	Supply of vibrating wire piezometers, pressure cells, vibrating wire strain gauges, digital BH-Profile and OmniaLog.
2019-22	OFITECO Perù <i>via SISGEO LATINOAMERICA</i>	Lima Metro Perù	Supply of BRAIN system, water level indicators, vibrating wire stain gauges, pressure cells, TILLI portable tiltmeters and readout unit.
2018-22	FONDASOL SIXENSE MONITORING CEMENTYS GEOCENTRE <i>via SISGEO FRANCE</i>	Grand Paris Metro Line no. 15 France	Supply of inclinometer casing model S131/S143 and quick-joint, BRAIN inclinometers system, DEX/DEXs probes, digital IPIs, digital BH-Profiles, H-levels, digital tiltmeters, borehole extensometers, MEXID extensometers, vibrating wire strain-gauges, pressure cells, creckmeters, electric load cells, piezometers and transducers, Omnia dataloggers and WR-logs.
2018-22	ANALYSIS & SOLUTIONS CONSULTANTS Los Angeles, California	Los Angeles Subway Project Purple Line Extension California, USA	Supply of digital BH-Profiles, vibrating wire and electrical piezometers, borehole extesometers, H-Level systems, vibrating wire strain-gauges, portable readout and datalogger.
2018-22	CONSORCIO ANTIOQUIA AL MAR/CONSTRUCCIONES EL CÓNDOR S.A. Colombia <i>via SISGEO LATINOAMERICA</i>	El Toyo Tunnel Antioquia, Colombia	Supply of PVC tubing, electric load cells, borehole extensometers with displacement transducers.
2007-22	METRO C S.p.A. Rome, Italy	Rome Metro C line Rome, Italy	Supply of vibrating wire strain gauges and piezometers, Tell-tale crack monitors, standpipe filter units, digital BH-Profiles, pressure cells, electric load cells, PVC tube, pressure and displacement transducers, electrical and vibrating wire crackmeters, vibrating wire piezometers, ABS and quick-joint inclinometer casing, In-place inclinometers, borehole extensometers, water level indicators, digital depth gauge, inclinometer systems (also with BRAIN), spiralmeter probe, Miniloggers, RDS systems, dataloggers, thermometers, biaxial digitized & MEMS tiltmeters, tilt-beam sensors, H-levels, pendulums, TEL-310 telecoordinometers, WRlogs, ADK-10, ADK-100 and Omnia acquisition systems.
2017-22	FIELD S.r.l. Lallio, Italy	A22 Brennero Highway Italy	Supply of flush inclinometer casing, vibrating wire strain-gauges, vibrating wire piezometers, electric cells, thermometers, BH-profile and MiniOmnia.
2021	SOLETANCHE POLSKA Warsaw, Poland	Railway Project Lodz, Poland	Supply of pressure cells, vibrating wire strain-gauges, vibrating wire crackmeters, MEXID extensometers and readout units.
2021	C.M.C. DI RAVENNA Argentina Branch <i>via SISGEO LATINOAMERICA</i>	Rsl Túnel-Partidos De Quilmes Y Lomas Argentina	Supply of borehole and Mexid extensometers, vibrating wire strain-gauges, inclinometer casing and pressure cells.



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2021	FIELD S.r.l. Lallio, Italy	S. Cristoforo Project Rails monitoring - MM4 Line Milan, Italy	Supply of RDS gauges.
2021	GEOSINERGIA/ZÜBLIN Chile	Correa Tunnel and mining works Chile	Supply of digital IPIs, vibrating wire piezometers and digital load cells.
2021	HUGGENBERGER AG Horgen, Switzerland	San Bernardino Tunnel Switzerland	Supply of vibrating wire pressure gauges.
2021	CEMENTYS S.A.S. France <i>via SISGEO FRANCE</i>	Grand Paris Metro Sevesc Tunnel France	Supply of horizontal BH-Profiles.
2021	CONCESION COSTERA CARTAGENA BARRANQUILLA S.A.S. Colombia <i>via SISGEO LATINOAMERICA</i>	Tunel De Crespo Cartagena, Colombia	Supply of titanium piezometers and vibrating wire crackmeters.
2018-21	FONDASOL SIXENSE MONITORING MIRE ESIRIS IDF ED <i>via SISGEO FRANCE</i>	Grand Paris Metro Line no. 14 France	Supply of ABS inclinometer casing, BH-Profile, PVC tubing with Casagrande filters, T-Rex system, BRAIN system, borehole extensometers with displacement transducers, vibrating wire strain-gauges, vibrating wire piezometers, vibrating wire crackmeters, pressure cells, readout unit, portable datalogger, Omnia dataloggers and WR-Log.
2018-21	ASTALDI S.p.A. Rome, Italy <i>via FIELD S.r.l.</i>	Napoli Metro Monte S. Angelo connection Napoli, Italy	Supply of flush inclinometer casing, vibrating wire strain-gauges, borehole extensometers and WR-LOGs.
2017-21	SIXENSE MONITORING BOUYGUES TRAVAUX PUBLICS <i>also via SISGEO FRANCE</i>	Eole-La Defense Underground France	Supply of inclinometer casing (ABS and Flush model), spiralmeter, H-levels, digital BH-Profile, borehole mutipoint extensometers with VW displacement transducers, pressure cells, vibrating wire piezometers, vibrating wire strain-gauges, vibrating wire and electrical crackmeters and MEMS tiltmeters.
2015-21	MEDIDOT Advanced Monitoring Technologies Ltd. Netanya, Israel	Telaviv Metro Red Line - Stations and Tunnels Telaviv, Israel	Supply and assistance on installation of PVC tubing, multipoint borehole FG extensometers and Mexid extensometers, vibrating wire piezometers, vibrating wire transducers, vented pressure transducers, vibrating wire strain-gauges, vibrating wire crackmeters, digital inclinometer systems, T-Rex systems, MEMS and digital tiltmeters, readouts, dataloggers, inclinometer casing (ABS and flush type), digital BH-Profile, water level indicators, Omnia and miniOmnia dataloggers, WMS.

Year	Client/Contractor	Project	Description
2014-21	METRO BLU SCRL Milan, Italy FIELD S.r.l. Lallio, Italy	Milan Metro MM4 Line Italy	Supply of inclinometer casing, vibrating wire strain-gauges, vibrating wire crackmeters, vibrating wire piezometers, MEMS and digital tiltmeters, electric load cells, borehole extensometers, DEX sensors, digital inclinometer system, T-REX system, RDS system, readout unit and Omnia data acquisition systems.
2020	LIFA A/S Landinspektorer Denmark	Limfjords tunnel Denmark	Supply of digital tiltmeters, vibrating wire crackmeters and Omnia dataloggers.
2020	MEIXNER VERMESSUNG ZT GMBH Wien, Austria	Ubahnbau Metro Wien, Austria	Supply of H-level and tiltmeters.
2019-20	SACYR Colombia <i>via SISGEO LATINOAMERICA</i>	Cucuta-Pamplona 4G Highway Tunnel monitoring Colombia	Supply of of inclinometer casing, MPBX and MEXID extensometers, pressure cells, DEX-S probes, readout and data acquisition system.
2019-20	C.M.C. DI RAVENNA Buenos Aires, Argentina <i>via SISGEO LATINOAMERICA</i>	Rio Subterraneo Tunnel Lomas, Buenos Aires Argentina	Supply of MEXID extensometers, vibrating wire strain-gauges, pressure cells and Omnia data acquisition systems.
2018-20	GEOTECHNICAL & FOUNDATION Bangkok, Thailand <i>via SISGEO ASIA PACIFIC</i>	MRT Orange Line E1 Thailand	Supply of borehole extensometers, inclinometer system, vibrating wire piezometers, MEMS tiltmeters, vibrating wire pressure cells, electric load cells, Tilli portable tiltmeter and readout.
2018-20	CONSORCIO LA LINEA Chia, Cundinamarca Colombia <i>also via SISGEO LATINOAMERICA</i>	La Linea Tunnel Colombia	Supply of borehole extensometers with displacement transducers, vibrating wire pressure cells, vibrating wire strain-gauges, vibrating wire piezometers, optical targets and CRD-400 readout.
2017-20	GEOMOTION (AUSTRALIA) Pty Ltd. Flemington, Australia <i>also via SISGEO AUSTRALIA</i>	Melbourne Metro Early work project Australia	Supply of digital BH-Profiles.
2014-20	HELLAS GOLD SA Greece	Stratoni Mines Greece	Supply of vibrating wire piezometers, water level indicators, barometer Omnia and MiniOmnia dataloggers.
2019	GULERMAK Sp. z.o.o. Warszawa, Poland	Warsaw Metro 2nd Line – stations C4-C5-C18-C21 Poland	Supply of ABS inclinometer casing, BRAIN inclinometer system, digital BH-profile sensors, PVC tubing, H-levels, borehole extensometers, readout, Omnia dataloggers and WR-log.
2019	PALINGEO S.r.l. Carpinedolo (BS), Italy	MM2 Metro Piola/Lambrate line Milan, Italy	Supply and assistance on installation of vibrating wire crackmeters, RDS sensors, digital tiltmeters, pressure transducers, MiniOmnia and Omnia dataloggers.
2019	METROFC S.c.a.r.l. Rome, Italy	Catanzaro Metro Italy	Supply and technical assistance on installation of pressure cells, electric load cells, MEXID extensometers, ABS inclinometer casing, T-Rex system, Tilli portable tiltmeter, portable datalogger, Omnia and WR-Log dataloggers.



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2019	CPB John Holland JV-Sixense Australia <i>via SISGEO AUSTRALIA</i>	West Gate Tunnel Project Australia	Supply of digital BH-Profiles and electric load cells.
2019	SIXENSE SOLDATA Dubai Branch <i>via SISGEO FRANCE</i>	Riyadh Metro and other projects Saudi Arabia	Supply of vibrating wire and electrical crackmeters, MEMS tiltmeters, vibrating wire strain-gauges and electric load cells.
2019	CONSORCIO MAR 1 - SACYR CONCESIONES COLOMBIA <i>via SISGEO LATINOAMERICA</i>	Tunel Occidente Fernando Gómez Martínez Medellín, Colombia	Supply of borehole extensometers with displacement transducers, pressure cells, vibrating wire strain-gauges and readout unit.
2019	SMT Denmark ApS Kobenhavn S, Denmark	Cityringen Sydhavn Metro Copenhagen, Denmark	Supply of ABS inclinometer casing.
2019	BESSAC ECUADOR <i>via SISGEO LATINOAMERICA</i>	Microtunnel Linea Impulsadora Gayaquil, Ecuador	Supply of inclinometer casing, piezometers and readout unit.
2019	FADEP S.r.l. Napoli, Italy	Capo Calava Tunnel Mazara Del Vallo, Italy	Supply of pressure cells and readout.
2019	LPC LATINA Brasil <i>via SISGEO LATINOAMERICA</i>	Fortaleza Metro Brasil	Supply of vibrating wire piezometers and CRD-400 readout.
2018-19	JOINT VENTURE MARTI MEYRIN Moosseedorf, Switzerland	CERN Cavern Switzerland	Supply of Mexid, vibrating wire strain-gauges, electrical crackmeters, readout and Omnia data acquisition systems.
2017-19	AMBERG TECHNOLOGIES AG Regensdorf, Switzerland	Gubristunnel Switzerland	Supply of Mexid extensometers and DEXs borehole sensors.
2016-19	CONSORCIO CMI - GHELLA SPA <i>via SISGEO LATINOAMERICA</i>	Riachuelo plant Lot 1/3 Argentina	Supply of inclinometer casing flush type, inclinometer systems, vibrating wire strain-gauges, PVC tubing, magnetic detector probes, casagrande filters, pressure cells, readouts, dataloggers and Omnia acquisition system.
2013-19	EUROTECH SA Athens, Greece	Panagopoula railway tunnels Peloponnese	Supply of ABS inclinometer casing, vibrating wire piezometers, vibrating wire strain gauges, pressure cells, borehole extensometers, multipoint piezometers, hydraulic load cells, readout unit and Natm stress cells.
2011-19	GULERMAK Sp. z.o.o. Warszawa, Poland AGP METRO POLSKA Warszawa, Poland GEOD Krakov, Poland	Polska Metro Project Poland	Supply and assistance on installation of water level logger system, wire crackmeters, electrical crackmeters, biaxial tiltmeters, electric load cells, inclinometer systems, ABS/quick-joint/S143 inclinometer casing, PVC tubing, casagrande piezometers, water level indicators, water level loggers, digital tape extensometer, borehole extensometers, MEXID extensometers, vibrating wire strain-gauges, ADK-100 and OMNIA data acquisition systems.

Year	Client/Contractor	Project	Description
2018	APPLUS NORCONTROL PERU' Surco - Lima, Perù <i>via SISGEO LATINOAMERICA</i>	Lima Metro Line no. 1 Lima, Perù	Supply of vibrating wire strain-gauges, pressure cells and inclinometer system.
2018	GEIE-TBM/FIELD France <i>also via SISGEO FRANCE</i>	Mont Blanc Tunnel Chamonix, France	Supply of vibrating wire strain-gauges, electrical crackmeters and Omniolog.
2018	GGB - GESELLSCHAFT FUR GEOMECHANIK Rotha Ot Espenhain, Germany	Trimberg Tunnel Germany	Supply of borehole multipoint extensometers with digital depth gauge, pressure cells/transducers and multipurpose readout.
2018	TERRABRIDGE, S.A. DE C.V. Mexico City, Mexico <i>via SISGEO LATINOAMERICA</i>	Atiz-Atla Tunnels Mexico	Supply of borehole extensometers with VW displacement transducers and vibrating wire strain-gauges.
2018	EMPIRICA INGENIEROS S.L. Coslada - Madrid, Spain	De La Canda Tunnel Spain	Supply of vibrating wire pressure cells.
2017-18	ENTEC S.à.r.l. Constantine, Algeria	Algeri metro extension Lot no. 1 Algerie	Supply and technical assistance for installation of vibrating wire strain-gauges, inclinometer system and readout units.
2016-18	MIRE S.A.S. Nanterre, France <i>also via SISGEO FRANCE</i>	Metro Paris Line 11 France	Supply and technical assistance for installation of ABS and flush inclinometer casing, digital inclinometer system, PVC tubing, vibrating wire strain gauges, borehole extensometers, water level indicators, readout units and dataloggers.
2016-18	SIXENSE SOLDATA Nanterre, France	Riyadh Metro Saudi Arabia	Supply of vibrating wire strain-gauges, MEMS tiltmeters and electric load cells.
2015-18	SALINI IMPREGILO FIELD S.r.l. Lallio, Italy	Visnove tunnel Slovakia	Supply of pressure cells, vibrating wire strain-gauges, vibrating wire piezometers, vibrating wire pressure transducers, borehole extensometers, electric load cells, pressure cells and MiniOmnia.
2014-18	AKTOR ATE Greece	Thessaloniki Metro Greece	Supply of electric load cells, pressure cells, borehole extensometers, vibrating wire piezometers, vibrating wire strain-gauges, MEMS tiltmeters, digital BH-profiles, vibrating wire linear transducers, inclinometer systems, biaxial digital IPIs, water level indicator and Omnia data acquisition systems.
2013-18	SINECO/SINA S.p.A. Milan, Italy	Frejus Tunnel Sections from 19 to 24 Italy	Supply of Mexid extensometers, mutibase borehole extensometers, vibrating wire displacement transducers, vibrating wire pressure transducers, pressure cells, vibrating wire strain-gauges and Omnia data acquisition systems.
2017	CTM - AGB & ISR Switzerland	Tunnel de la Tine Switzerland	Supply of electric load cells.



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2017	SIXENSE INC. Canonsburg, USA	Los Angeles Purple Line USA	Supply of digital BH-profile, borehole extensometers, vibrating wire piezometers, vibrating wire strain-gauges and MEMS tiltmeters.
2016-17	LLC "GEO COMMERCE" Moscow, Russia	St. Petersburg Underground Bolshoy Prospekt Station Russia	Supply of borehole extensometers, vibrating wire piezometers, flush inclinometer casing, digital IPIs, Omnia data acquisition system and datalogger
2014-17	SOLETANCHE BACHY Doha, Qatar	Doha Metro Red Line North Doha, Qatar	Supply and assistance on installation of ABS inclinometer casing, inclinometer systems, electric load cells, vibrating wire strain-gauges, vibrating wire piezometers, borehole extensometers with vibrating wire linear transducers, H-level system, readout units, Omnia and MiniOmnia dataloggers.
2014-17	SOL DATA Nanterre, France	Rennes Metro France	Supply of ABS inclinometer casing, electrical deformometer, multipoint borehole extensometers with displacement transducers, MEMS tiltmeters, spot weldable vibrating wire strain-gauges, vibrating wire piezometers and readout unit.
2014-17	CERRETO CASINA S.c.a.r.l. Italy FIELD S.r.l. Lallio, Italy	Highway 63 "del Valico del Cerreto" Bocco and Mulino del Vaglio Tunnels Italy	Supply of ABS and flush inclinometer casing, PVC tubing, electric load cells, pressure cells and transducers, vibrating wire strain-gauges, borehole extensometers and Omnia datalogger.
2013-17	ASTALDI S.p.A. BUCHAREST BRANCH Romania	Bucharest Metro Line no. 5 Romania	Supply and technical assistance on installation of pressure cells, vibrating wire strain-gauges, H-level system, RDS system, vibrating wire crackmeters, biaxial Mems tiltmeters, vibrating wire piezometers, MEXID extensometers, aluminum inclinometer casing, horizontal inclinometer system, readout and Omnia data acquisition system.
2016	TECHNOFALAK CONTRACTING EST. Jeddah, Saudi Arabia	Albirkah Tunnel Mekka, Saudi Arabia	Supply of biaxial MEMS tiltmeters, vibrating wire crackmeters, H-level gauges, multipoint borehole extensometers with VW displacement transducers, Mexid, VW piezometers, vibrating wire strain-gauges, Omnia and miniOmnia dataloggers, triaxial geophones with datalogger.
2016	OZGUN INSAAT Tizi Ouzou, Algeria NORUL INSAAT VE TICARET A.S. Tizi Ouzou, Algeria	Tizi Ouzou Tunnel Algerie	Supply of FG borehole extensometers with vibrating wire displacement transducers, vibrating wire strain gauges and datalogger.
2016	TECHNICAL WORLD CO., LTD. Ho Chi Minh City, Vietnam <i>via SISGEO ASIA PACIFIC</i>	Metro Line 1 Vietnam	Supply of Omnia dataloggers.



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2016	INSTITUT DE RADIOPROTECTION ET DE SURETE NUCLEAIRE France	Tunnel de Boutinenque Tournemire, France	Supply of wire crackmeters, water level loggers, barometer, embedment thermistor, MEMS tiltmeters, miniOmnia and Omnia dataloggers.
2016	IMPLENIA SCHWEIZ AG Zurich, Switzerland <i>via SISGEO INTERNATIONAL</i>	Bozberg Tunnel Switzerland	Supply of electric load cells with readout unit.
2016	MIRE S.A.S. Nanterre, France	Frejus Tunnel France	Supply of vibrating wire pressure gauges, flat jacks and Omnia data acquisition systems.
2015-16	CARLOS BERTSCHI S.R.L. Buenos Aires, Argentina	Riachuelo tunnel Argentina	Supply of vibrating wire strain-gauges, flush inclinometer casing and digital inclinometer systems, PVC tubing, casagrande filters, water level indicators, datalogger and readout units.
2015-16	TECNIS S.p.A. Italy FIELD S.r.l. Lallio, Italy	Palermo Metro Rail circuit Italy	Supply of flush inclinometer casing, DEXs borehole sensors, electrical crackmeters and Omnia data acquisition systems.
2014-16	YAPI MERKEZI INSAAT AS Turkey	NATM tunnel project Turkey	Supply of borehole extensometers, vibrating wire pressure cell, displacement transducers and tell-tale crack monitors.
2011-16	J&P AVAX-OLYMPIA JV Greece	Platamonas Tunnel PATHE motorway Greece	Supply of vibrating wire strain-gauges, vibrating wire and multipoint piezometers, pressure cells, pressure transducers and NATM stress cells.
2010-16	AEGEK CONSTRUCTION S.A. - ATHINA ATE OLYMPIA J/V - VINCI CON. GRAND PROJECTS Greece	Tempi Tunnel Greece	Supply of vibrating wire strain-gauges and piezometers, pressure cells and transducers, borehole extensometers and readout units.
2015	F.I.S. IMPIANTI INTERRATI S.r.l. Credaro, Italy	Milan MM2 Metro Piola/Lambrate tunnel Italy	Supply and technical assistance on installation of pressure transducers, electric anchor load cells, thermometers, vibrating wire crackmeters and Omnia data acquisition system.
2015	GEOSINERGIA- INGENIERIA Y MEDIO AMBIENTE LTDA Las Condes - Santiago Chile	Costanera tunnel Chile	Supply of biaxial IPIs and Omnia data acquisition system.
2015	OFICINA TECNICA DE ESTUDIOS Y CONTROL DE OBRAS SA (OFITECO) Spain	Riyadh Metro Saudi Arabia	Supply of digital inclinometer systems and CRD-400 readouts.
2015	SPG - Sistemas de Perforación y Geotécnia S.A.C Miraflores - Lima Perù	Lima Metro Perù	Supply of hydraulic and electric load cells, vibrating wire piezometers, PVC tubing, water level & temperature indicators, casagrande piezometers, digital inclinometer system, Tilli portable tiltmeter and readout unit.



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2015	HYDRODIAGNOSTICS LTD. Tbilisi, Georgia	Jhinvali Tunnel Georgia	Supply and technical assistance on installation of Mexid extensometers, vibrating wire piezometers and Omnia data acquisition system.
2015	POYRY SCHWEIZ AG Zurich, Switzerland <i>via SISGEO INTERNATIONAL</i>	Abula Tunnel Lot 110 Switzerland	Supply of multipoint borehole extensometers, Mexid extensometers, T-rex system, inclinometer casing flush model and readout unit.
2014-15	SPIE FONDATIONS Cergy Pontoise Cedex France	Frejus Tunnel France	Supply of borehole extensometers with displacement transducers, flat jacks, vibrating wire pressure gauges, electric load cells, datalogger and Omnia data acquisition systems.
2014-15	ENVIRONMENTAL MECHANISMS TRADING ESTABLISHMENT Riyhad, Saudi Arabia	Riyadh Metro Saudi Arabia	Supply of ABS inclinometer casing, inclinometer system, vibrating wire piezometers, vibrating wire crackmeters, pressure cells, Tilli portable tiltmeters, borehole extensometers, tell-tales, vibrating wire strain-gauges, MEMS tiltmeters, water level indicator and CRD-400 readout units.
2014-15	GD TEST S.r.l. Torino, Italy	Paris Metro Line no. 14 France	Supply of flush inclinometer casing, T-Rex removable extensometer, vibrating wire strain-gauges and 3D borehole sensors (DEX).
2014-15	SOLDATA SAS NANTERRE Bucharest, Romania	Sighisoara tunnel project Romania	Supply of pressure cells, vibrating wire strain gauges, vibrating wire piezometers, digital tape extensometer, inclinometer system and borehole extensometers.
2013-15	TREVI S.p.A. Cesena, Italy	Algeri Metro Ext. C Algeria	Supply of inclinometer casing - flush model.
2014	TREVI S.p.A. Cesena, Italy	Rome Metro San Giovanni Station-A Line Soil consolidation monitoring with the freezing technique Rome, Italy	Supply of H-level system, thermometers and Omnia data acquisition system with data transmission, elaboration a validation on WEBGIS WMS platform. Technical assistance for installation and system startup.
2014	METRO FORLANINI S.c.a.r.l. Milan, Italy	Milan Metro New Station Forlanini Milan, Italy	Supply and assistance on installation of RDS system and Omnia datalogger.
2011-14	GD TEST S.r.l. Torino, Italy	Brennero Tunnel Italy	Supply of vibrating wire strain gauges, pressure cells and pressure transducers, borehole multibase extensometers, Mexid extensometers, inclinometer casing flush model, T-rex system and dataloggers.
2011-14	ASTALDI S.p.A. Rome, Italy	Milan underground MMS-A Line Milan, Italy	Supply and assistance on installation of beam clinometers, VW strain gauges, CRD-400 multipurpose readout, hydraulic and electric load cells, MEMS surface clinometers.

Year	Client/Contractor	Project	Description
2013	ASTALDI SPA SUCC. ROMANIA Bucarest, Romania	Bucarest Metro - Line 5 Romania	Supply and technical assistance on installation of pressure cells, vibrating wire pressure gauges and vibrating wire strain-gauges.
2013	GABI SHOEF LTD. Yavne, Israel	Tel-Aviv Metro Line TBM "launching shafts" monitoring Israel	Supply and technical assistance for the installation of Tell-tales, PVC tubing, displacement transducers, Tiltmeters, digitized IPI, vibrating wire strain-gauges and WMS monitoring.
2013	GEOSINERGIA LTDA Santiago, Chile	Santiago Metro Chile	Supply of pressure cells with multipurpose readout and inclinometer system with digital probe.
2013	AMBERG TECHNOLOGIES Regensdorf-Watt Switzerland	Tunnel Choindez Switzerland	Supply of vibrating wire strain gauges, pressure cells and Omnalog datalogger.
2013	TECNIS S.p.A. Tremestieri Etneo, Italy	Tunnel Saida Mannoubi Tunisie	Supply of ABS inclinometer casing, T-Rex system, electric load cells and tiltmeters.
2013	GEOSINERGIA LTDA Santiago, Chile	Tinguiririca tunnel monitoring Chile	Supply of vibrating wire piezometers, electrical crackmeters and OMNIA data acquisition system.
2013	INTERMETRIC GmbH Hessisch Lichtenau Germany	Tunnel Hirschhagen Germany	Supply of multibase borehole extensometer with digital depth gauge and extenso-inclinometer casing.
2013	FUGRO PENINSULAR SERVICES CO. Doha, Qatar	Doha Metro Major station-AGI Doha, Qatar	Supply of multipoint piezometers and MiniOmnia dataloggers.
2012	CIPGI Pte Ltd Singapore	MRT LINE Contract 923A, 925, 925A Singapore	Supply of beam sensors, vibrating wire piezometers, inclinometer system, readout unit and ADK-100 data acquisition system.
2012	STS INSTRUMENTS Co.Ltd Bangkok, Thailand GEOTECHNICAL AND FOUNDATION ENGINEERING Co. Ltd Bangkok, Thailand	MRT Blue Line Extension Contract 1-3-4 (STS) Contract 2 (GFE) Bangkok, Thailand	Supply of vibrating wire rebars, vibrating wire strain gauges, vibrating wire piezometers, inclinometer casing, inclinometer systems, borehole rod extensometers, TILLI portable tiltmeters, DSM settlement system, beam sensors, surface tiltmeters, crackmeters, load cells and datalogger.
2012	SISGEO ZEMIN Istanbul, Turkey	Uskudar-Cekmekoy metro Turkey	Supply of digital tape extensometers, multipoint borehole extensometers, Natm stress cells, hydraulic load cells, ABS inclinometer casing, inclinometer system and readout units.
2012	CBGEO PROGETTI S.r.l. Civitella d'Agliano, Italy	La Spezia tunnels monitoring Italy	Supply of multipoint FG extensometers, pressure cells, vibrating wire strain-gauges, electrical piezometers, PVC tubing and casagrande filters.
2012	TECNIS TUNISIE Tunisi, Tunisie	Saida Mannoubia Tunnel Tunisie	Supply of ABS inclinometer casing, inclinometer system, waterproof clinometers and readout unit.

Year	Client/Contractor	Project	Description
2011-12	MONITORIZA S.A. Ciudad de Panama	Panama Metro Panama	Supply of pressure cells, vibrating wire strain gauges, inclinometer systems, electric load cells, waterproof clinometers and readout unit.
2011-12	SI.GEN.CO. S.p.A. Catania, Italy	Catania metro Italy	Supply of NATM pressure cells, vibrating wire strain gauges and readout unit.
2011-12	STS INSTRUMENTS Co.Ltd Bangkok, Thailand LEO JOVIAN THAI ENGINEERING Co.Ltd Bangkok, Thailand	MRT Purple Line Bangkok, Thailand	Supply of Tilli portable tiltmeters, beam sensors, vibrating wire piezometers, inclinometer system, readout unit and ADK-100 data acquisition system.
2011-12	AKTOR ATE Athens, Greece	Platanos Railway Tunnel Greece	Supply of ABS inclinometer casing, multipoint borehole extensometers, pressure cells and hydraulic load cells.
2008-12	GARBI LINEA 5 S.c.r.l. Roma, Italy	Milan Underground MM5 Line Milan, Italy	Supply and technical assistance on installation of ABS inclinometer casing, inclinometer system, RDS system, CRID system, vibrating wire strain gauges, DSM system, clinometers, Tilt-beam accelerometers, electric load cells, direct pendulum, TEL-310S telecoordinometer and ADK-100 automatic data acquisition system with Multilogger software.
2007-12	CONSORCIO LINEA II METRO LOS TEQUES Venezuela	Los Teques Metro Line 2 Venezuela	Supply of ABS inclinometer casing, BRS tube, PVC blind tube, vibrating wire piezometers, waterproof clinometers, multibase borehole extensometers, standpipe filter units, hydraulic load cells, NATM stress cells, repressurizing hand pump, inclinometer system, water level indicator, digital tape gauge, readout units, magnetic detector probe, Tilli portable tiltmeter and ADK-100 data acquisition system with Multilogger software.
2002-12	EUROTECH LTD Athens, Greece	Kallidromo Rail Tunnel Greece	Supply of multibase extensometers, NATM stress cells and vibrating wire surface strain-gauges
2011	LLC "GEO COMMERCE " Moscow, Russia	SPB Tunnel Russia	Supply of flush inclinometer casing, biaxial in-place inclinometers, wire crackmeters, electrical crackmeters and ADK-100 data acquisition system.
2011	CONSTUTORA NORBERTO ODEBRECHT S.A. Panama	Chanis Balboa Tunnel Panama	Supply of inclinometer system, ABS inclinometer tubing, BRS tubing and magnetic detector probe.
2011	GEOTEST BRNO Brno, Czech Republic	Tunnel Dobrovskeho Czech Republic	Supply of ADK -100 data acquisition systems.
2009-11	AKTOR ATE Greece	Apion-Diakofto Tunnels Greece	Supply of vibrating-wire strain gauges, pressure cells, electric load cells, borehole extensometers, vibrating wire transducers, digital depth gauge, NATM stress cells and vibrating wire piezometers.

Year	Client/Contractor	Project	Description
2009-11	EMPIRICA ENG. S.L. Madrid, Spain	Tunnel monitoring. High speed railway line to north/northwest. Valladolid-Burgos, Cabezón de pisuerga-San Martín de Valvení stretch Valladolid, Spain	Supply of borehole rod extensometers, displacement transducers, pressure cells and readout unit.
2009-11	EMPIRICA ENG. S.L. Madrid, Spain	Pajares high speed railway tunnel, section 5 Asturias, Spain	Supply of vibrating wire pressure cells and vibrating wire strain gauges.
2009-11	EMPIRICA ENG. S.L. Madrid, Spain	Tunnel monitoring. High speed railway Madrid - Zaragoza - Barcelona - French Border. Borrassa-Figueres stretch Gerona, Spain	Supply of borehole rod extensometers, displacement transducers and pressure cells.
2009-11	EMPIRICA ENG. S.L. Madrid, Spain	Road tunnel monitoring. New access to San Mamés Vizcaya, Spain	Supply of borehole rod extensometers, displacement transducers and pressure cells.
2009-11	EMPIRICA ENG. S.L. Madrid, Spain	Railway tunnel and bridge monitoring. High speed railway, Atlantic link. San Vicente de Cerponzons-Pontevedra. Pontevedra, Spain	Supply of surface clinometers, borehole rod extensometers, displacement transducers, pressure cells and vibrating wire piezometers.
2009-11	EMPIRICA ENG. S.L. Madrid, Spain	Railway tunnel monitoring. Valladolid Railway Network. East section Valladolid, Spain	Supply of borehole rod extensometers, displacement transducers and pressure cells.
2009-11	EMPIRICA ENG. S.L. Madrid, Spain	Railway tunnel monitoring. High speed railway line Vitoria-Bilbao-San Sebastián. Mondragón – Elorrio stretch Guipuzcoa, Spain	Supply of pressure cells.
2009-11	EMPIRICA ENG. S.L. Madrid, Spain	Hydrogeological monitoring of Pajares high speed railway tunnel, section 3 Asturias, Spain	Supply of electrical piezometers.
2008-11	AKTOR S.A. and PANTECHNIKI S.A. JV Greece	Lianokladi-Domokos Tunnels Greece	Supply of multipoint borehole extensometers, electric load cells, vibrating wire strain-gauges, vibrating wire piezometers and NATM stress cells.
2010	SISGEO HOLDING S.A. /MUTTONI & BEFFA Lugano, Switzerland	Ceneri Tunnel Alp Transit Lot no. 853 monitoring Switzerland	Supply of borehole extensometers, displacement transducers and ADK-100 data acquisition system with Multilogger software.
2009-10	OMRAN MAROON Co. Iran	Abivard Tunnel Iran	Supply of vibrating wire linear transducers, pressure cells, vibrating wire strain-gauges, vibrating wire piezometers.

Year	Client/Contractor	Project	Description
2009-10	MICHANIKI S.A. Greece	Derveni tunnels Greece	Supply of pressure cells with transducers, NATM stress cells, vibrating wire strain gauges, readout unit and borehole extensometers.
2008-10	AVRASYA METRO GRUBU Uskudar (Istanbul), Turkey	Kartal Kadikoy metro project Turkey	Supply of digital tape extensometers, water level indicator, magnetic probes, ABS inclinometer casing and inclinometer systems.
2006-10	CONSORZIO TRE ESSE Pianoro (BO), Italy	Rome Metro B1 Line Rome, Italy	Supply of ABS and aluminium inclinometer casing, PVC tubing, water level indicators, inclinometer systems, in-place inclinometers, electric load cells, earth pressure cells, borehole extensometers, electrical and spring crackmeters, displacement transducers, miniloggers, vibrating wire piezometers, vibrating wire strain-gauges, dataloggers and ADK-100 data acquisition system.
2005-10	AKTOR-IMPREGILO J/V Athens, Greece	ATHENS-THESSALONIKI National Highway , Agios Kostantinos Tunnels Greece	Supply of multipoint borehole rod extensometers, NATM stress cells, electric load cells and readout units.
2009	CALACATA CRESTOLA S.r.l. Carrara (MS), Italy	Ruggetta mine monitoring Italy	Supply of electrical crackmeters, electric load cells, borehole extensometers, displacement transducers, thermometers and ADK-100 system.
2009	SAD AFZAR Tehran, Iran	Tehran metro Tunnel monitoring Iran	Supply of digital tape extensometers and vibrating wire crackmeters.
2008-09	SURECHEM MARKETING SDN.BHD. Kuala Lumpur, Malaysia	IPOH - Padang Besar railway tunnel project Malaysia	Supply of vibrating wire strain gauges, pressure cells and borehole extensometers.
2006-09	CONSORZIO TRE ESSE Pianoro (BO), Italy	Brescia Metro Italy	Supply of extenso-inclinometer casing, inclinometer system with T-REX removable extensometer, tilt-beam accelerometers, electric load cells, vibrating wire strain-gauges and dataloggers.
2005-09	ARMATEST Ankara, Turkey GAMA NUROL Istanbul, Turkey	Marmaray Project, Turkey	Supply waterproof clinometers, inclinometer casing, BRS tube, magnetic detector probe, inclinometer systems, vented pressure transducers, electrical crackmeters, 3D electric jointmeters, tell-tale crack monitors, ADK-10 System, Natm stress cells, borehole extensometers, displacement transducers, vibrating wire strain gauges, digital tape extensometer, vibrating wire piezometers, electric load cells, vibrating wire spot weldable strain gauges, subhorizontal in-place inclinometers, DSM borehole gauges and readouts.
2005-09	CONSORZIO TRE ESSE Pianoro (BO), Italy	"Grande Raccordo Anulare" Trionfale and Cassia Tunnel monitoring Rome, Italy	Supply of extenso-inclinometer tube, inclinometer system, portable datalogger and Incl-2 software, vibrating wire strain gauges and electric load cells.

Year	Client/Contractor	Project	Description
2005-09	SOMEDA S.c.a.r.l. Trento (TN) AVISIO s.c.r.l. Castelnuovo di Sotto (RE), Italy	Someda Tunnel Moena, Italy	Supply and technical assistance on installation of multipoint borehole rod extensometers, optical targets, electric load cells, vibrating wire strain gauges and piezometers, dataloggers.
2003-09	CONSORZIO TRE ESSE Pianoro (BO), Italy	Napoli underground station, Line 1 Napoli, Italy	Supply and installation of inclinometer casings, PVC tubings, vibrating wire strain gauges and miniloggers.
2008	EMPIRICA ENG. S.L. Madrid, Spain	Pajares high speed railway tunnel, section 3 Asturias, Spain	Supply of vibrating wire pressure cells, vibrating wire strain gauges, water level logger, V-notch weirs and readout units
2008	EMPIRICA ENG. S.L. Madrid, Spain	High speed railway corridor to north-northwest. Amoeiro – Maside – O Carballiño line Tunnel and bridge monitoring Orense, Spain	Supply of profiler, inclinometer casing, portable datalogger, vibrating wire piezometers, vibrating wire strain-gauges, vibrating wire pressure cells and borehole extensometers.
2008	GD TEST S.r.l. Torino, Italy	Torino metro Italy	Supply of DEX 3D borehole sensors.
2008	AKTOR S.A. Athens, Greece	Metsovo Tunnel Greece	Supply of vibrating wire piezometers, vibrating wire strain gauges and pressure transducers.
2008	EMPIRICA ENG. S.L. Madrid, Spain	High speed railway Orense - Monforte - Lugo. San Julian Line Railway tunnel monitoring Lugo, Spain	Supply of tape extensometer, readout units, vibrating wire pressure cells and borehole rod extensometers.
2008	PIZZAROTTI MAROC Rabat, Maroc	Rabat tunnel des Oudayas Maroc	Supply of estenso-inclinometer casing, hydraulic load cells and inclinometer system with T-Rex probe.
2008	EMPIRICA ENG. S.L. Madrid, Spain	New high speed railway access to the east Minglanilla – Contreras Dam line Railway tunnel monitoring Cuenca, Spain	Supply of inclinometer casing, portable datalogger, vibrating wire piezometers, vibrating wire strain-gauges, vibrating wire pressure cells and borehole rod extensometers.
2008	EMPIRICA ENG. S.L. Madrid, Spain	New high speed railway access to the east. Contreras - Villargordo del Cabriel Dam line Railway tunnel monitoring Valencia, Spain	Supply of load cells, readout units, vibrating wire pressure cells and borehole rod extensometers.
2008	EMPIRICA ENG. S.L. Madrid, Spain	Alto de la Venta de La Morcilla tunnel Cantabria, Spain	Supply of inclinometer casing, readout units, vibrating wire strain-gauges, vibrating wire pressure cells and tape extensometer.
2008	EMPIRICA ENG. S.L. Madrid, Spain	New high speed railway Madrid-Eastern Spain. Uclés-Campos del Paraiso line Railway tunnel Cuenca, Spain	Supply of pressure cells, switch boxes and readout unit.
2008	THEMELI S.A. Greece	Kiato-Aigio Project Railway Tunnel Greece	Supply of borehole extensometers, electric load cells and NATM pressure cells.

Year	Client/Contractor	Project	Description
2008	EMPIRICA ENG. S.L. Madrid, Spain	High speed railway Madrid - Zaragoza - Barcelona - French Border. Railway tunnel. Cornellá del Terri - Vilademuls line Gerona, Spain	Supply of vibrating wire pressure cells and borehole rod extensometers.
2008	EMPIRICA ENG. S.L. Madrid, Spain	Barajas Airport Access tunnel to the power station Madrid, Spain	Supply of anchor load cells, vibrating wire pressure cells, vibrating wire strain gauges and inclinometer casing.
2008	EMPIRICA ENG. S.L. Madrid, Spain	Metro of Madrid Construction of power station and lifts in the Pacifico Station Spain	Supply of inclinometer casing and servo clinometers.
2007-08	LEO JOVIAN THAI ENG Bangkok, Thailand	MWA Main Water Tunnel Bangkok, Thailand	Supply of Natm stress cells and BRS magnetic settlement system.
2006-08	GULERMAK-DOGUS J.V. Istanbul, Turkey	Otogar-Bagcilar light metro Istanbul, Turkey	Supply of inclinometer casing, vibrating wire piezometers and strain gauges, vibrating wire pressure gauges, datalogger, reference bolts, optical targets, digital tape extensometer, borehole extensometers, Natm stress cells, clinometers, flush inclinometer casing and inclinometer system with T-REX removable extensometer.
2001-08	EUROTECH LTD Athens, Greece	Athens Metro Lines: Sepolia-Peristeri, Agios Dimitrios-Elliniko, Egaleo-Haidari, Monastiraki-Egaleo Stations: Agia Paraskeyi, Holargos, Agios Antonios Greece	Supply of vibrating wire pressure gauges and piezometers, vibrating wire strain gauges, inclinometer casing, inclinometer systems, T-REX removable extensometer, borehole extensometers, vibrating wire linear transducers, V-notch weirs, electric load cells, Natm stress cells, pressure transducers, vibrating wire indicator, optical targets, DSM level gauge, thermometers, ADK-10 data acquisition system, water level indicators, dataloggers and readout units.
1999-08	EUROTECH LTD Athens, Greece	Egnatia Odos Road – Greece Veria, Lefkopetra, Driskos, Dodoni, Koumaria-Agia Anastasia, Anthohori Tunnels, Ag. Nikolaus Tunnel, Anilio Tunnel, Arachthos Tunnel, Malakasi Tunnels, Panagia-Gravena Tunnels, Metsovo Bridges.	Supply of multipoint borehole extensometers, hydraulic and electric load cells, NATM stress cells, convergence bolts, optical targets, tape extensometer, inclinometer system with Nadir readout unit, vibrating wire pressure cells and strain gauges, vibrating wire piezometers, magnetic detector probe, ADK-100 dataloggers.
1998-08	METROGENOVA S.c.a.r.l. Milano, Italy	Genova Underground Station Grazie-Sarzano-De Ferrari Line Genova, Italy	Supply and installation of the instrumentation network for monitoring building and soil movements during the construction of the metro station and during tunnel excavation by TBM: DSM settlement system, borehole extensometers, in-place tiltmeters, electrical crackmeters, inclinometer-settlement tubes and ADK-10 dataloggers.
2007	ARS ENGINEERING LDA Cascais, Portugal	Tunnel do Rossio Portugal	Supply of DSM system, ADK-10 data acquisition system with Multilogger software.



REPRESENTATIVE PROJECTS

Tunnels and underground works

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Year	Client/Contractor	Project	Description
2007	STT ELECTRONIK KONTROL LTD. STI., Ankara, Turkey	Kismak excavation Project Turkey	Supply of borehole extensometers, electric load cells and digital tape extensometer.
2007	CONSORZIO TRE ESSE Pianoro (BO), Italy	A1 High speed motorway Pozzolatico Tunnel Italy	Supply of electric load cells and vibrating wire strain gauges.
2007	GEOMESSTEC Bernried, Germany	Achrain tunnel Austria	Supply of borehole extensometers, displacement transducers and readout unit.
2007	AGT SYSTEMS Moscow, Russia	Tunnel convergence monitoring Russia	Supply of removable crack-gauge and tell-tale crack monitor.
2004-07	NOVATECH CONSULTING S.r.l. Catania, Italy	Madonna Del Tindari Tunnel, Messina, Italy	Supply of PVC slotted tube, aluminium inclinometer casing, in-place inclinometers, pressure transducers, vibrating wire surface strain-gauges, multipoint borehole rod extensometers, displacement transducers, ADK-10 data acquisition system with Multilogger software and dataloggers.
2006	SAD AFZAR Tehran, Iran	Isfahan-Shiraz railway tunnel Iran	Supply and installation of load cells, borehole extensometers and data acquisition system.
2006	IRCON INTERNATIONAL LTD. New Delhi, India	Pir Panjal Tunnel New BG Railway Line India	Supply of vibrating wire piezometers and strain gauges, repr. radial pressure cells, multipoint FG extensometers, displacement transducers, electric load cells, reference bolts, removable optical targets with adaptors and dataloggers.
2006	EMPIRICA ING. S.L. Madrid, Spain Client: FCC Construcción	Madrid Metro Line no. 8 extension Barajas - Airport Terminal 4 sect. Madrid, Spain	Supply of inclinometer casing, inclinometer probe, vibrating wire strain-gauges, vibrating wire pressure cells and electric load cells.
2006	GEOTECNIA Y CIMENTOS SA (GEOCISA) Madrid, Spain	Pajares high speed railway tunnel Leon, Spain	Supply of inclinometer casing and vibrating wire pressure cells.
2006	ASTALDI S.p.A. Wilaya De Jijel, Algeria	Tunnel construction Jijel River Wilaya de Jijel, Algeria	Supply of steel lining pressure cells, vibrating wire strain-gauges and readout units.
2006	TOTO S.p.A. Chieti (CH), Italy	"Strada dei Parchi" Carestia Tunnel Teramo, Italy	Supply of vibrating wire strain gauges, pressure cells and readout unit.
2005-06	AEGEK SA Athens, Greece	Kamena Vourla Tunnels Greece	Supply of vibrating wire strain-gauges, pressure cells, pressure transducers, NATM stress cells, electric load cells and multipoint borehole rod extensometers.
2005-06	AKTOR SA Atene, Greece	Ag. Kostantinos tunnel Greece	Supply of borehole extensometer, NATM stress cells, electric anchor load cells and water level indicator.

Year	Client/Contractor	Project	Description
2003-06	GRASSETTO LAVORI S.p.A. Tortona (AL), Italy	Casacastalda Tunnel Perugia – Fabriano Italy	Supply and installation of optical targets, NATM pressure cells, pressure transducers, electrical piezometers, vibrating wire strain-gauges, electric load cells, multipoint borehole rod extensometers and readout unit.
2000-06	ROCKSOIL Milano, Italy	Dolonne Tunnel Aosta, Italy	Supply of optical targets, inclinometer casing, borehole extensometers, vibrating wire extensometers, vibrating wire strain gauges, thermometers, electric load cells, pressure transducers and vibrating wire readout.
2000-06	EUROTECH LTD Athens, Greece	Kakia Skala Road Tunnels Greece	Supply of multipoint borehole rod extensometer, NATM stress cells with digital indicator, electric load cells, vibrating wire strain gauges, pressure pads and vibrating wire piezometers.
2005	GHELLA SOGENE C.A. Caracas, Venezuela	Metro de Caracas, 3rd line (TBM line) Venezuela	Supply of inclinometer casing, standpipe filter units, water level indicator, inclinometer probe, T-Rex removable extensometer, portable datalogger, inclinometer software, digital tape extensometer.
2005	GEOCISA S.A. Madrid, Spagna	Madrid Metro Sol Station Spain	Supply of waterproof clinometers and DSM system.
2005	EMPIRICA ING. S.L. Madrid, Spain	Madrid Metro Line no. 5 extension Spain	Supply of water level indicator, inclinometer casing, inclinometer system with Incl-2 software, portable datalogger, vibrating wire piezometers, vibrating wire strain-gauges, vibrating wire pressure cells, electric load cells.
2005	TECNO IN S.p.A Napoli, Italy	Roma Subway Tunnel monitoring Roma, Italy	Supply of vibrating wire extensometers and ADK-10 system with Multilogger software.
2005	GEOCISA S.A. Madrid, Spain	Metro de Sevilla Spain	Supply of inclinometer casing.
2005	GEOCISA S.A. Madrid, Spain	Metro de Madrid line no. 3 Extension Spain	Supply of inclinometer casing and vibrating wire pressure cells.
2005	GEOCISA S.A. Madrid, Spain	Metronorte de Madrid Sanchinarro section Spain	Supply of inclinometer casing and vibrating wire pressure cells.
2005	CONSORZIO TRE ESSE Pianoro (BO), Italy	Carso and Cattinara Tunnels, Trieste, Italy	Supply of electric load cells, inclinometer casing and vibrating wire extensometers.
2005	AMBERG ENG. BRNO Brno, Ceska Republika	Tunnel Valik Highway D5 Ceska Republika	Supply of vibrating wire strain gauges.
2005	AMBERG ENG. BRNO Brno, Ceska Republika	Tunnel Panenska Highway D8 Ceska Republika	Supply of vibrating wire strain gauges.

Year	Client/Contractor	Project	Description
2004-05	TOTO S.p.A. Chieti (CH), Italy	Main Street 47 Valsugana Cantanghel idraulic tunnel, free tunnel and main tunnels Martignano (TN), Italy	Supply and installation of ABS inclinometer casing, removable optical targets, pressure cells, vibrating wire pressure transducers, vibrating wire strain-gauges, DEX-35 in-place fixed extensometers, C800U datalogger, electric anchor and steel lining load cells, ADK-10 system with Multilogger software and vibrating wire datalogger.
2004-05	AUSCULT 9 UTE Barcelona, Spain	Barcelona Metro Line 9 Barcelona, Spain	Supply of vibrating wire piezometers, surface strain gauges, thermometers, electrical crackmeters, hand held indicator, multipoint borehole rod extensometers, inclinometer casing, inclinometer probes and portable tiltmeter.
2004-05	AMBERG ENG. BRNO Brno, Ceska Republika	Klimkovice tunnel, Highway Dalnice D47 Ceska Republika	Supply of electric and hydraulic anchor load cells.
2004-05	MAC-TECH S.A. Lausanne, Switzerland SOROTEC S.A. Castione, Switzerland	Lausanne Metro, Switzerland	Supply of multipoint borehole rod extensometers, displacement transducers, waterproof clinometers, ADR-4 Minilogger and DL-Master software.
2004	COSSI COSTRUZIONI S.p.A. Sondrio, Italy	Nazzano tunnel Nazzano (RM), Italy	Supply of inclinometer casings and vibrating wire piezometers.
2004	ARS ENGINEERING LDA Cascais, Portugal	Vermela Tunnel Portugal	Supply of vibrating wire strain gauges, embedment strain gauges, vibrating wire indicator and strain-meter analyzer.
2004	AMBERG ENG. BRNO Brno, Ceska Republika	The new railway, Tunnel Trebovice Ceska Republika	Supply of vibrating wire strain gauges and vibrating wire rebar.
2004	TECINCO S.A. Barcelona, Spagna	Terrasa Metro, Spagna	Supply of vibrating wire piezometers, inclinometers and portable tiltmeter.
2004	ROMAGNOLI S.p.A. Milano, Italy	Guinza Tunnel Mercatello sul Metauro (PU), Italy	Supply and installation of vibrating wire strain gauges.
2003-04	FARO S.c.a.r.l. Roma, Italy	S. Nicolò tunnel Italy	Supply of borehole extensometers, NATM pressure cells, vibrating wire strain gauges, hydraulic anchor load cells, convergence bolts and optical targets.
2003	SEPARO CO. Tehran, Iran	Deyreh River to Zagross Lake water conveyance tunnel Iran	Supply of borehole extensometers with displacement transducer, digital tape extensometer, NATM stress cells with digital indicator and C800U datalogger.
2003	EUROSCOUT Portugal	Tunel de Portela Vieira do Minho Portugal	Supply of borehole extensometers, pressure pads with pressure transducers, ADK-10 datalogger with Multilogger software and C800U datalogger.
2003	SOLDATA Nanterre, France	Toulouse underground station France	Supply of inclinometer system.
2003	Silver and Baryte Mines S.A. Greece	Mine monitoring Milos Island, Greece	Supply of inclinometer casings and inclinometer system.

Year	Client/Contractor	Project	Description
2003	FIELD S.r.l. Lallio (BG) Italy	S. Martino Tunnel Ancona, Italy	Supply of ABS inclinometer casings, NATM pressure cells, vibrating wire strain gauges, switch terminal boxes, vibrating wire readout and digital indicator.
2002-03	CMC DI RAVENNA MALAYSIA Kuala Lumpur, Malaysia	Penchala Tunnel Malaysia	Supply of optical targets, vibrating wire strain gauges, multipoint borehole extensometers with displacement transducers, vibrating wire piezometers and readout units.
2001-03	IMPREGILO SpA ST. PETERSBURG BRANCH St. Petersburg, Russia	St. Petersburg Metro Line St. Petersburg, Russia	Supply of ABS inclinometer casings, inclinometer system with Nadir datalogger and electrical piezometers, Miniloggers, DSM system for Vodokanal Sewer monitoring with ADK-10 and GSM phone modem for real time monitoring.
2001-03	METRO TRE S.c.a.r.l. Modena, Italy	Torino Underground station Fermi , Paradiso stations and TBM tunnel	Supply and installation of ABS inclinometer casings, optical targets, vibrating wire strain gauges with readout unit , NATM stress cells, DSM settlement system, multipoint borehole extensometers and readout unit.
2001-03	CO.ME.TO S.c.a.r.l. Torino, Italy	Torino underground station Line 1 – Collegno-Torino Porta Nuova and Bernini, Racconigi stations Torino, Italy	Supply of ABS inclinometer casings, vibrating wire strain gauges, optical targets, reference bolts and NATM pressure cells.
1997-03	SOROTEC S.A. Castione, Switzerland	Islisberg Tunnel and anchor monitoring Switzerland	Supply of electrical anchor load cells for several job sites.
2002	LA RUPE s.c.a.r.l. Messina, Italy	Mezzolombardo tunnel Italy	Supply of NATM pressure cells.
2002	GeoTech ENGINEERING CONSULTANTS, CO. LTD Taipei, Taiwan R.O.C	Taipei MRT CB420 PROJECT Taipei, Taiwan R.O.C	Supply of servo-inclinometer probe, C800U portable datalogger, inclinometer calibration frame, vibrating wire indicator, water level indicators and tape extensometer
2001-02	SOLDATA Nanterre, France	Amsterdam Metro Project Amsterdam, Netherlands	Supply of 482 chains of in-place inclinometers (IPI) for total 1.452 uniaxial sensors with accessories during the excavation works of Ceinterbaan, Rokin and Vijzergraacht stations.
2001-02	GEOT d.o.o. Slovenija	Trojane Tunnel Slovenija	Supply of borehole extensometers, NATM stress pressure cells and removable optical targets
2001-02	FOTI Geom. ROCCO Cosoleto, Italy	S. Pedrino Tunnel Varese, Italy	Supply and installation of electrical crackmeters, pressure transducers, portable datalogger, multipoint borehole extensometers, casagrande piezometers, automatic data acquisition system ADK-10.
2001-02	EUROTECH LTD Athens, Greece	Mikrh Santa Tunnel Greece	Supply of multipoint borehole extensometers, NATM stress cells, vibrating wire strain gauges and hydraulic load cells.

Year	Client/Contractor	Project	Description
2001	EPOS ARS ENGINEERING Lisboa, Portugal	Ramela Tunnel Portugal	Supply of inclinometer casings, borehole extensometers and inclinometers system
2001	LD HAZAMA LEO JOVIAN THAI ENG Bangkok, Thailand	Hai Van Pass Tunnel Construction Project Pack 1A Vietnam	Supply of pressure transducers and pads
2001	SINECO Milano, Italy	Colle Dico Tunnel Genova-Ventimiglia motorway Imperia, Italy	Supply of pressure pads and transducers, electric anchor load cells, vibrating wire strain gauges, borehole extensometers, tape extensometers
2001	AMBERG M. T. LTD Zurich, Switzerland	Gottardo Tunnel Switzerland	Supply of inclinometer casings and inclinometers systems
2001	EUROTECH LTD Athens, Greece	Kristalopigi Tunnel Greece	Supply of borehole extensometers, inclinometer system, NATM stress cells
2001	ESFAHAN REGIONAL WATER BOARD – Esfahan, I.R. of IRAN	Koohrang Tunnel Railway Esfahan, I. R. of IRAN	Supply of borehole extensometers, electric load cells, NATM stress cells
2000-01	TECNASOL ARS ENGINEERING Lisboa, Portugal	Metro de Porto Portugal	Supply and installation of DSM settlement system, inclinometer casings, CRID fissure monitoring system
2000	GEOCONSULT SRL Pomezia (RM), Italy	Pre Saint Didier Tunnel Italy	Supply of pressure transducers, pressure pads with ADK-10 data acquisition system
2000	CEGE- ARS ENGINEERING Lisboa, Portugal	Metro de Lisboa, Linha Azur Metropaco- Terreiro do Paco Portugal	Supply of no. 48 biaxial in-place inclinometers with ADK-10 data acquisition system for on.line data management
2000	EUROTECH LTD Athens, Greece	Nafpaktos Ring – Road Tunnel Greece	Supply of vibrating wire piezometers, ABS inclinometer casings, biaxial servoinclinometer probe, removable targets
1999-00	EUROTECH LTD Athens, Greece	Holargos Tunnel Attiki Odos – Greece	Supply of multipoint borehole rodextensometers, hydraulic load cells, convergence bolts, targets and tape extensometer.
1998-00	AMBERG M. T. LTD Zurich, Switzerland	Underground Military Installation Ministry of Defence of Switzerland	Supply of no. 34 multipoint rod extensometers, no. 110 displacement transducers and no. 16 electrical jointmeters.
1998-99	IMPREGILO SPA Contuy Medio Grupo A Caracas, Venezuela	Tuy Medio Caracas Gua Charallave,Venezuela	Supply and installation of the monitoring instrumentation during the construction of Pitahaya and Tazon tunnels: borehole extensometers, vibrating wire strain-gauges, electrical pressure cells, anchor load cells, inclinometer-settlement tubes and readout units.
1998	GEODES SRL Torino, Italy	Realmonte Underground Mine Sicily, Italy	Supply of vibrating wire earth pressure cells, borehole extensometers and optical targets for settlement monitoring.
1997-98	AMBERG M. T. LTD Zurich, Switzerland	Piora Project Switzerland	Supply and installation of on-line monitoring system during the excavation of the exploration tunnels: multibase borehole extensometers and ADK-10 dataloggers.



REPRESENTATIVE PROJECTS

Tunnels and underground works

October 2022
(Rev. 45)

Year	Client/Contractor	Project	Description
1997-98	EUROTECH LTD Athens, Greece	Eftaxia and Tembi Tunnels Greece	Supply of concrete stress cells, borehole extensometers and anchor Load cells.
1997	GEODES SRL Torino, Italy	Petralia Underground Mine Sicily, Italy	Supply of vibrating wire earth pressure cells, borehole extensometers and DSM system for settlement monitoring
1996	TOP CONSULTING KOREA Seoul, Korea	MRT Project Seoul, Korea	Supply of inclinometer casing and probes, tiltmeters, electrical piezometers and anchor load cells.
1995-96	JOVIAN ENGINEERING Taipei, Taiwan ROC	MRT Project Taipei, Taiwan ROC	Supply of inclinometer casing and probes, settlement gauges, piezometers and anchor load cells.
1995	GEO S.p.A. Bari, Italy	Matefer Railway Tunnel Basilicata, Italy	Supply of the automatic monitoring system during the construction of the tunnel: borehole extensometers, electric pressure cells, vibrating wire strain-gauges and datalogger. Convergence bolts and tape extensometer.
1995	SABIR CO. Tehran, I.R. of Iran	Karun III Project Diversion Tunnel I.R. of Iran	Supply of multipoint borehole extensometers, hydraulic anchor load cells, convergence bolts and tape.
1993	GITTO SPA Roma, Italy	Gilo Motorway Tunnel Israel	Supply of multipoint borehole extensometers, convergence bolts and tape extensometer.