



Geotechnical instrumentation
for geotechnical, civil
& structural monitoring



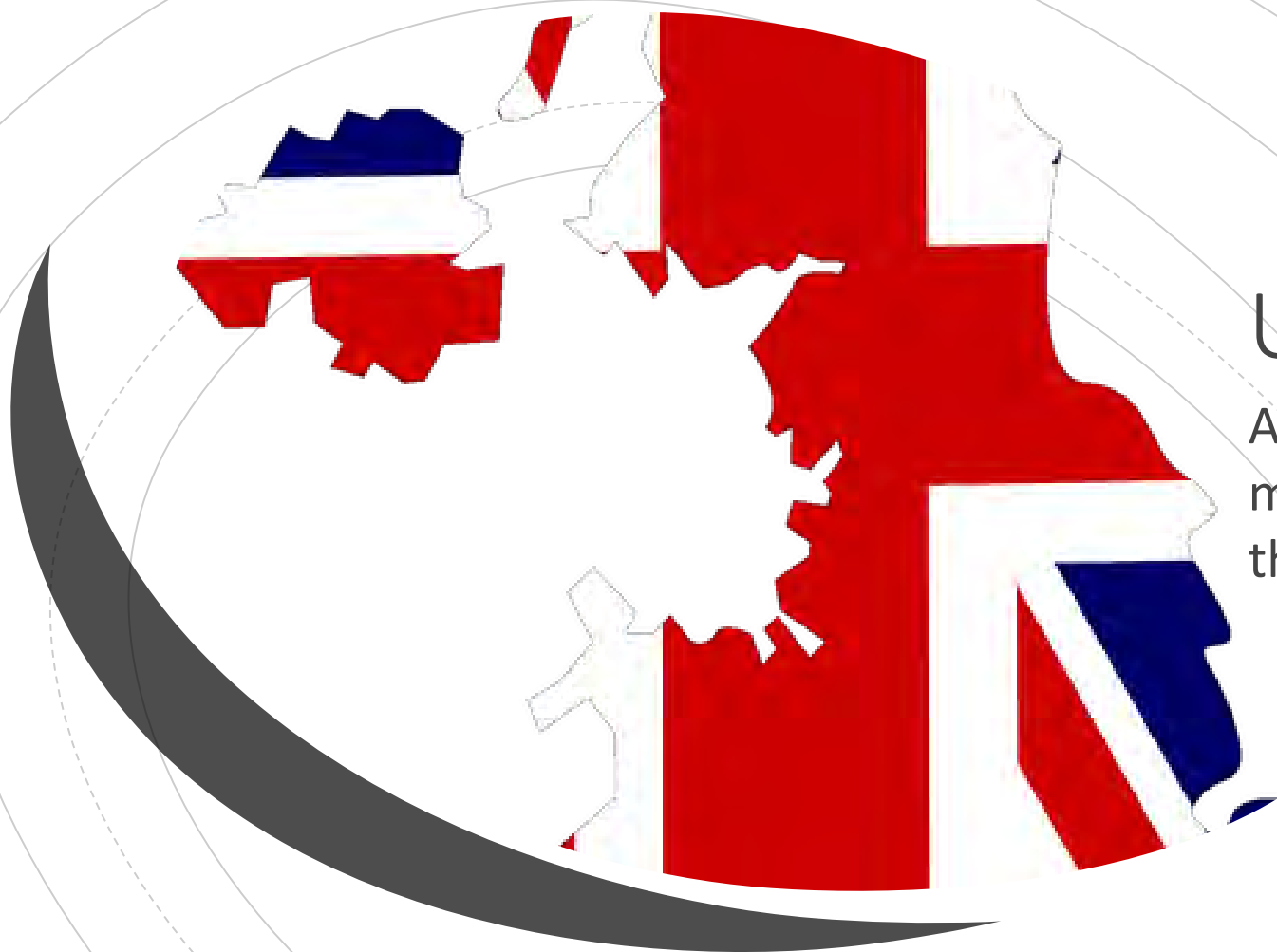
Our Story

- £4+ million turnover
- Established in 1992
- Privately-owned
- 35 members of staff
- Sales to more than 68 countries
- Experts in Vibrating Wire
- UK design & manufacture
- Experts in MEMS



UK Headquarters

Geosense stocks an extensive range of instruments and delivers to tight schedules worldwide



UK Manufacturer

All Geosense products are designed & manufactured in our purpose-built facility in the UK & come with a two-year warranty.

Global



- We have extensive experience in more than 68 countries and operate through carefully selected partners who are supported by our international Technical Support Team



Quality products

Geosense is accredited to ISO 9001:2015 guaranteeing strong customer focus & a quality management system



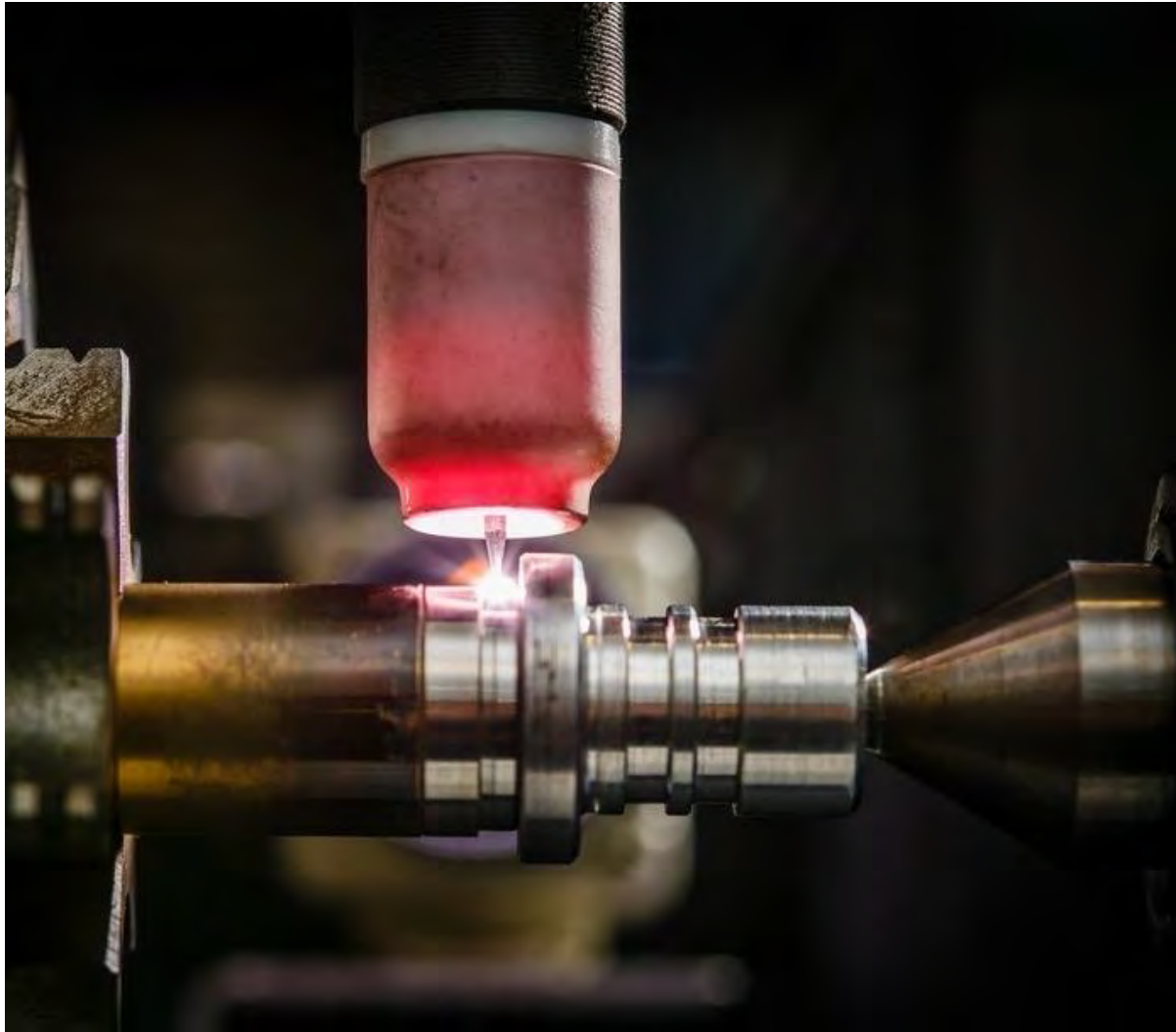
Skilled Assembly

All sensors & instruments are assembled in-house by highly trained technicians

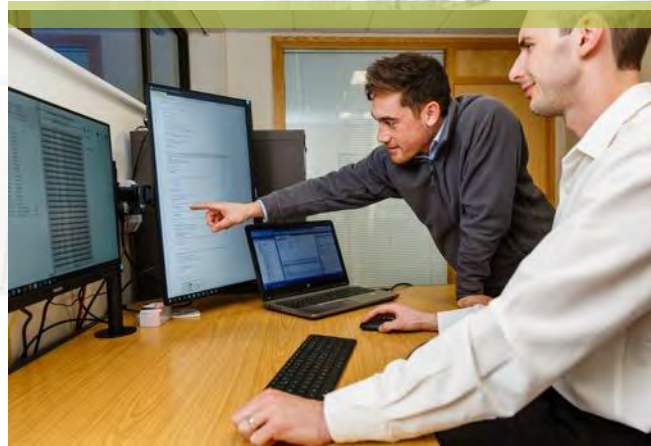


In-house Capabilities

Micro-tig welding for sensors
& machining from raw material
to finished product



Our Team



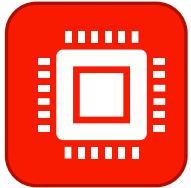
Our experienced engineers are always on hand to provide full technical support both on and off site



Vibrating wire



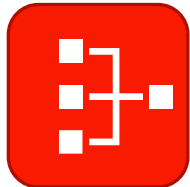
Analogue



MEMS



LoRa wireless



Data acquisition



Connectivity

Technologies

Measurements



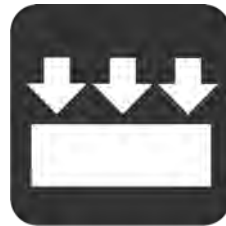
Pressure



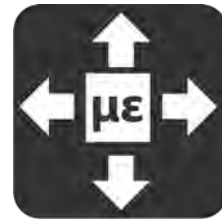
Displacement



Tilt



Load



Strain



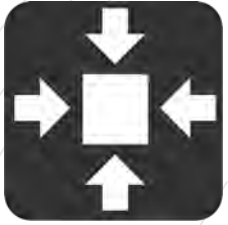
Settlement



Convergence



Temperature



Pressure



VW Piezometer



VW Push-in
Piezometer



Strain Gauge
Piezometer



VW Drive-in
Pressure Cell



VW Total Earth
Pressure Cell

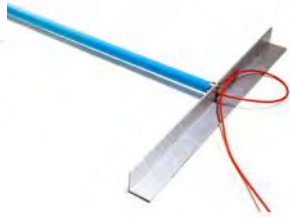


VW NATM
Pressure Cell

Displacement



VW Rod
Extensometer



VW Soil
Extensometer



VW Wire
Extensometer



VW
Crack Meter



Rotary Wire
Extensometer



VW
Joint Meter





Tilt



Portable
Inclinometer



In-Place
Inclinometer



Tilt Meter



Submersible
Tilt Meter



Tilt Beam



Wireless
Tilt Meter

Load



VW Anchor
Load Cell



VW Solid
Load Cell



Strain Gauge
Anchor Load Cell



VW Hydraulic
Load Cell



Hydraulic Load
Cell Manual
Readout



Load Cell for
Tunnel Linings
& Struts





Strain



VW Surface Mount
Strain Gauge



VW Embedment
Strain Gauge



VW Spot Weld
Strain Gauge



VW Sister Bar/
Strain Meter

Settlement



Magnetic
Extensometers



Rod Settlement
System



VW Liquid
Settlement System



VW Settlement
Profiler





Convergence



Wireless Laser
Distance Meter



Digital Tape
Extensometer



Concrete Segment
Tilt Meter



Temperature



VW Temperature
Sensor

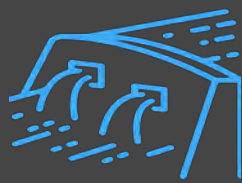
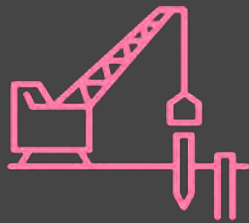
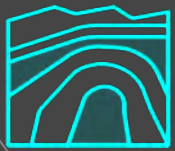


Resistance
Temperature
Detector



Thermistor

Sectors



Ground Investigation Mining Foundations/Piling Dams Bridges Asset Monitoring Tunnels Infrastructure Ports



Melbourne Metro, Australia

Kuala Lumpur MRT, Malaysia

Tel-Aviv Metro Red Line, Israel

Bucharest Metro, Romania

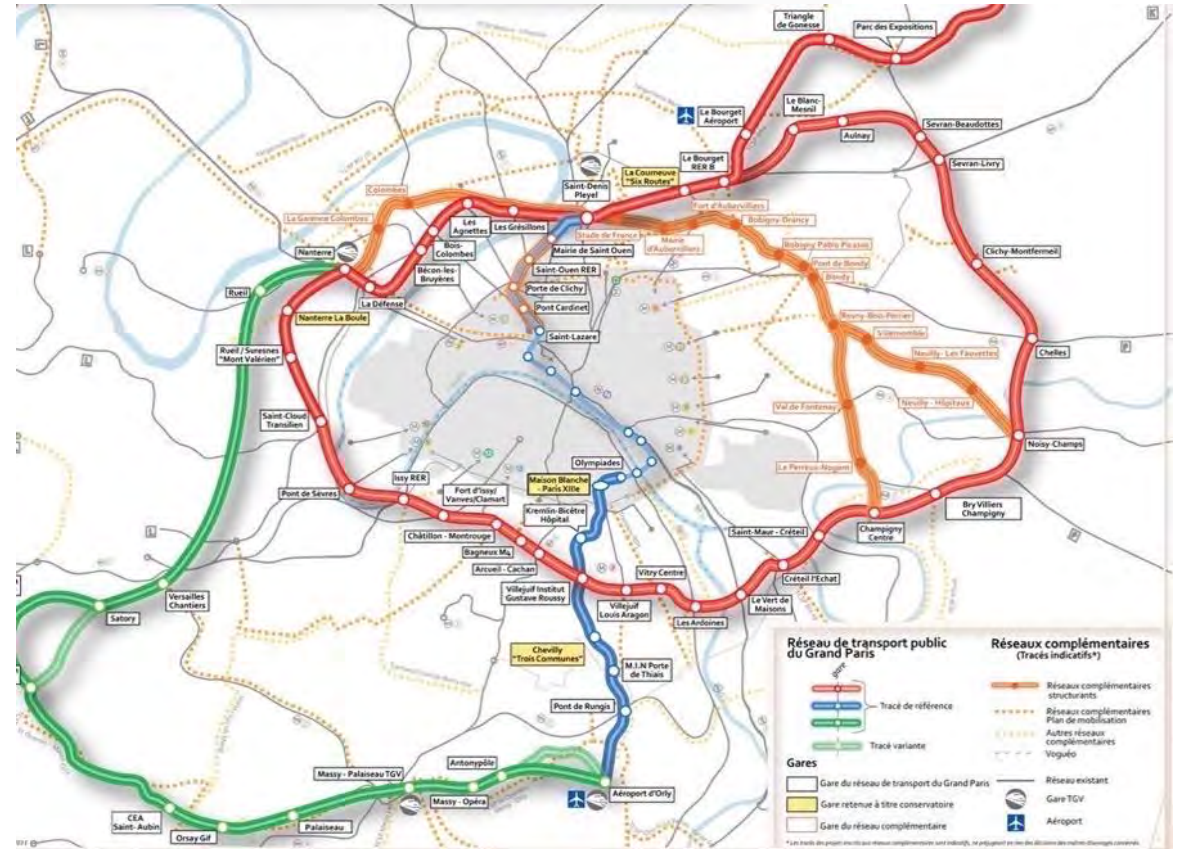
City Rail Link, Auckland, New Zealand

Jakarta Metro, Indonesia

Crossrail, London, UK

Grand Paris L15, France

Doha Metro, Qatar





Project Focus – Melbourne Metro

Instruments

Borehole Rod Extensometer

Wireless Data Acquisition

In-place Inclinometers

VW Strain Gauges

Tilt Meters

VW Crack Gauges

VW Piezometers





Asset Monitoring, London, UK

Projects

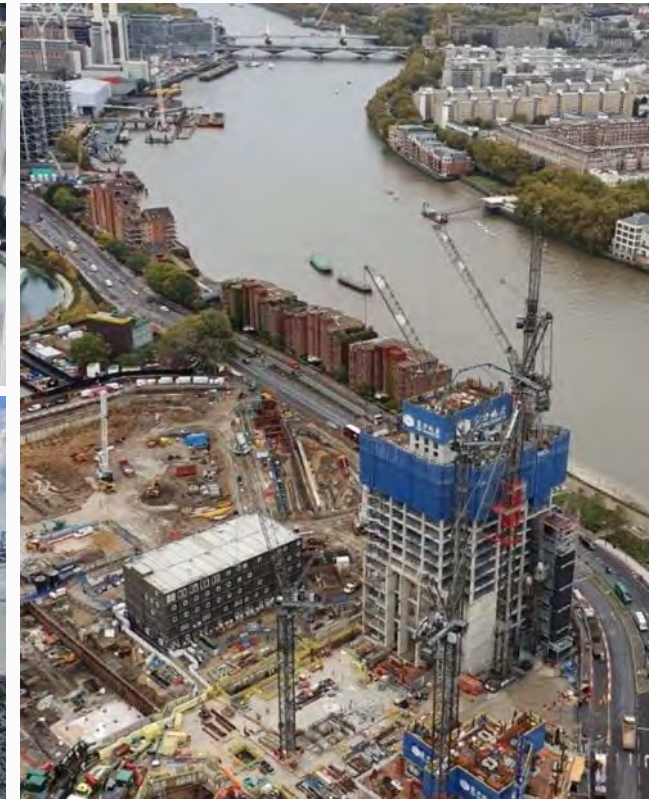
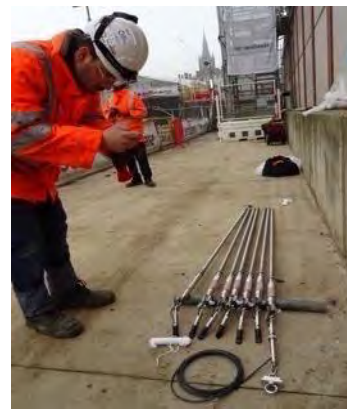
Battersea Power Station

Google HQ

One Nine Elms

Shell Centre

Wimbledon Lawn Tennis Club





Project Focus – Battersea, London

Instruments

Tilt Meters

Borehole Road Extensometers

VW Piezometers

VW Strain Gauges

QJ Inclinator Casing

In-Place Inclinator

Wi-SOS 480





Historic Buildings

Royal Albert Hall, London

Biaxial MEMS Tilt Beams used to monitor tilt on adjoining walls during excavation

London Bridge

Wireless Tilt Meter used to monitor bridge during Thames Tideway tunnelling

Gediminas Tower, Lithuania

Six biaxial Wi-SOS 480 Wireless Tilt Meters and one Gateway to monitor landslip



Infrastructure - Roads

Projects

West Gate Crossing, Melbourne, Australia

Lower Thames Crossing, London, UK

Mersey Gateway Project, Liverpool, UK

M6 Motorway, Walsall, UK

Percy Road, Bournemouth

Cottingham Bridge (new A256) Ramsgate

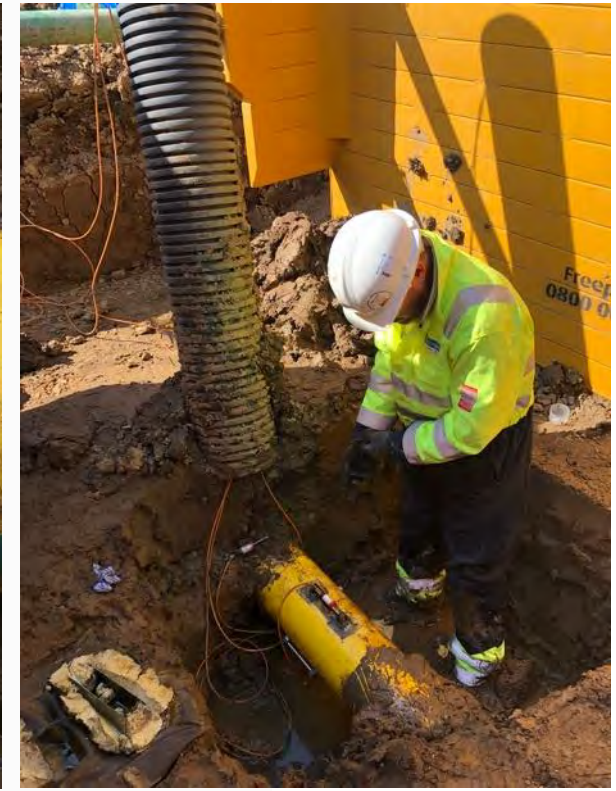




Infrastructure - Pipelines

Projects

River Humber Gas Pipeline Replacement Project, UK
Slovak Gas Pipeline





Tunnels

Projects

Thames Tunnel, London, UK

Bucharest Metro, Romania

Thames Tideway, London, UK

Silvertown Tunnel, London, UK

Crossrail, London, UK

Kuala Lumpur Metro, Malaysia





Dams

Projects

Karam Abad Dam, Iran

Baish Dam, Kingdom of Saudi Arabia

Tishreen Dam, Syria

Ziezoun Dam, Syria

Chemususu Dam, Kenya

Kashimbila Dam, Nigeria

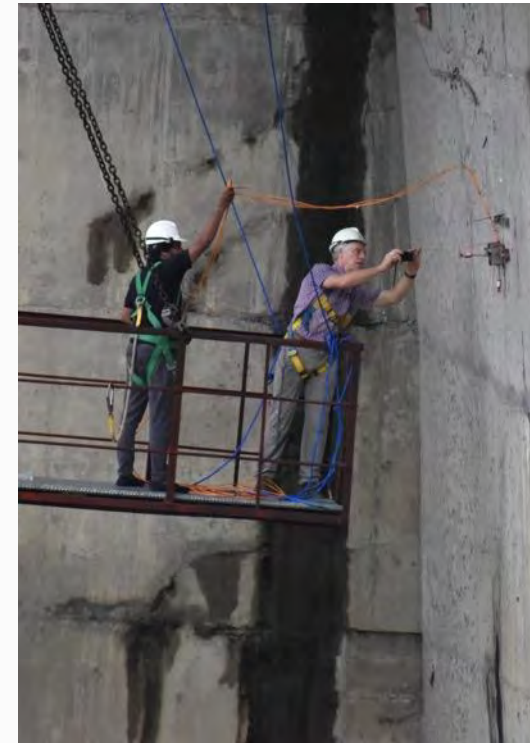
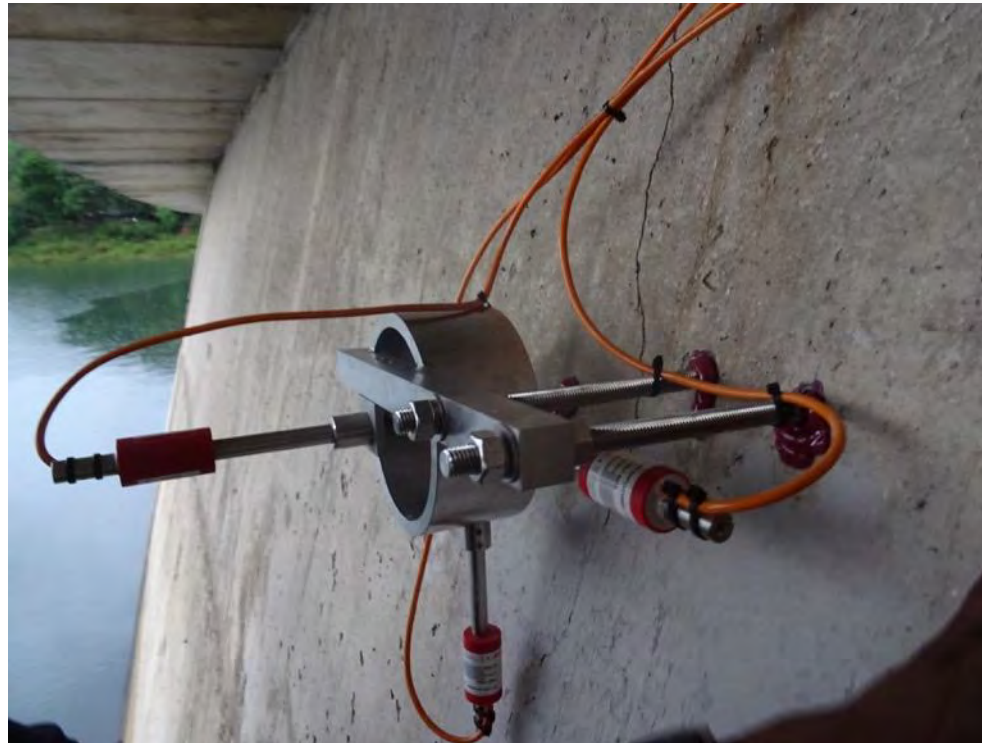




Project Focus – Victoria Dam, Sri Lanka

Instruments

VWTCM-4600 3D Crack Meters





Mining

Projects

Sarcheshmeh Copper Mine, Iran

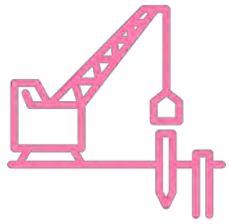
Boulby Mine Shaft Re-lining, UK

Takht e Gonbad Tailing Dam, Iran

Vale Teluk Rubiah, Malaysia

Krumovgrad Gold Mine, Bulgaria





Piling



Projects

Parallel Roads, Business Bay, Dubai

Eden Brows Landslip, Cumbria, UK

Sheik Zahed Centre, Pakistan





Ground Investigation

Projects

Cottington Bridge A256, Ramsgate, UK

River Avon Slope Stability, Bristol, UK

Cliff Stability Alborough, UK





Bridges

Projects

Mersey Gateway, Liverpool, UK

Bosphorus Bridge, Istanbul Turkey





Infrastructure - Rail

Projects

Venjar, Eidsvoll, Akershus Rail Track, Norway

Walsall to Rugeley Electrification Project, UK

Madrid High Speed Railway, Spain

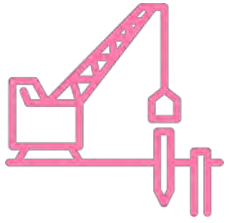
Channel Tunnel Rail Link, UK

Landsdown Road Bridge, Ireland

Hillerød Rail Track, Copenhagen, Denmark

Blisworth Embankment, UK





Deep Foundations

Projects

Royal Albert Hall, London

Whitechapel Station, London

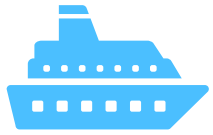
Museum of Human Evolution, Spain

Liverpool Street Station, London

Doha New Airport Station, Qatar

Canary Wharf Station Crossrail, UK





Ports

Projects

Nordhaven Port, Denmark

Klaipeda Breakwater, Lithuania

Al-Faw Grand Port, Iraq

Isle of Man Ferry Terminal, Merseyside Dock, UK





Data Acquisition



GeoLogger
Linx Series



GeoLogger G8



NexusGEO



GeoHUB



VW Readout
VWR1



Multipurpose
MP12



Data Acquisition Projects

Projects

Battersea Power Station, London, UK

M6 Junction 10, Walsall, UK

Didachara Dam, Georgia

Dogancay Dam, Georgia

Skhalta Dam, Georgia





Wireless Data Acquisition Products



Wi-SOS 480
Gateway & Nodes



GLog APP



Wireless Tilt



Wireless Laser
Distance Meter

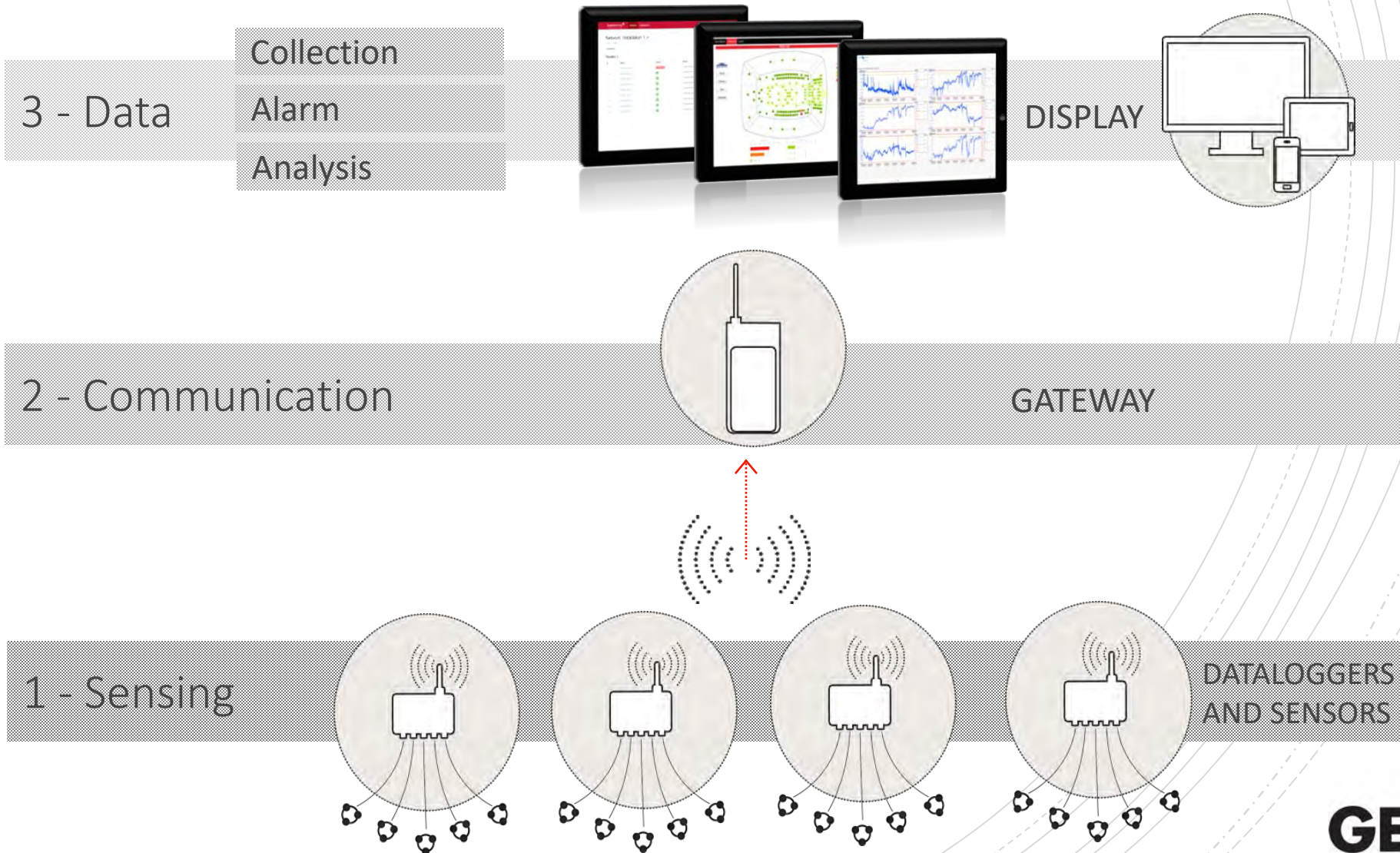
Signal coverage tests

/Networks/13054/Signal coverage tests





Wireless Data Acquisition





Wireless Data Acquisition Projects

Projects

Isle of Man Ferry Terminal, Merseyside Dock, UK

Shell Centre, London, UK

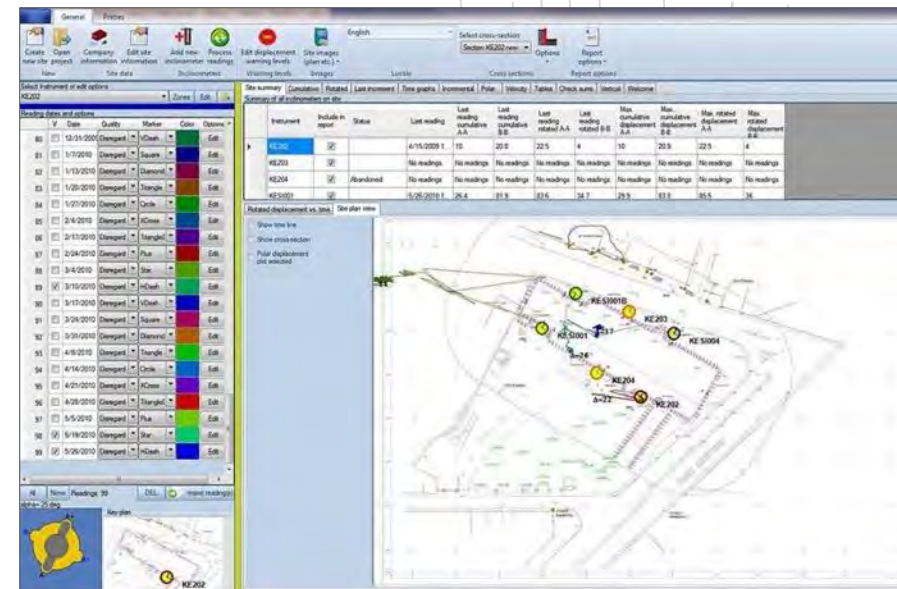
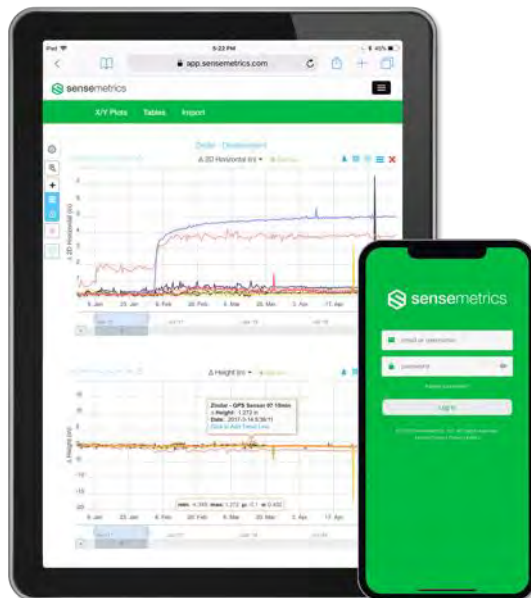
Ziraat Bank, Ankara, Turkey

Battersea Power Station, London, UK

Eccles TBM Launch Pit, UK

M6 Junction 10, Walsall, UK





Software

GeoAxiom Vista

sensemetrics

Site Master



Sir Robert
McALPINE

RSK



Balfour Beatty



SKANSKA



GEOSENSE CLIENTS & PARTNERS INCLUDE MANY INDUSTRY LEADERS



Birse



UNIVERSITY OF
Southampton





Luckily we love our work!

Thank you for your attention.

We hope you found this presentation of interest.



Made in the UK, Trusted Worldwide