

Near right: the MI8 on one of Concept's job sites in the UK

Far right: the MI8 on Massenza's premises



## Hard-working

London-based contractor Concept Site Investigations purchased a Massenza MI8 multipurpose drill rig in mid-2014 – it has worked non-stop ever since

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Concept Site Investigations specialises in the design and implementation

of complex geotechnical, geo-environmental and structural site investigation. Its client base consists of engineering consultancies, developers, project managers and public bodies in the UK.

The company's new Massenza rig is engineered to deliver power and versatility; it is rated at 10in diameter to 260m or HQ to 600m and incorporates many features, including 12t pullback, 9,630Nm torque, 0-500rpm head rotation, a 3,160kg main winch and 128m/min wireline winch.

In addition, it comes with 360mm double clamps with hydraulic rod centralisers and a 25t casing extractor; a side-shift and forward-tilt rotary head with independent dynamic hammer; 6m casing handling; integral mud pump, mist pump and jet-wash system; radio remote

for crawler and hydraulic controls on its swivel arm.

### ON THE JOB

With the help of the MI8's features, Concept has successfully completed a number of challenging projects, including drilling, sampling and testing at Canary Wharf, where it worked on a spud leg pontoon over water and a flat-top self-propelled barge.

The project involved piston sampling over water, Geobore S cored wells for permeability

testing and gas groundwater monitoring, as well as Menard pressure-meter testing, down-hole magnetometer and geophysical surveys, installation of extensometers and vibrating-wire piezometers.

According to Concept, the versatility of the Massenza MI8 allowed smooth and efficient co-ordination of the works, including movement of the equipment at short notice to allow for manoeuvres of other marine vessels.

In addition to the installation and monitoring of precision instrumentation, Concept recently used the Massenza rig to install telescopic casing, starting at 400mm diameter with multiple seals at all levels to prevent cross-contamination; this project was at the London Gas Works. ♥

### Recognised

In 2014, Concept Site Investigations won the Ground Engineering Award for the Best Ground Investigation Specialist in the UK. Its project team won the ICE Civil Engineering Award for the Bond Street to Baker Street Jubilee Line Upgrade, where it carried out the investigation. It has also been shortlisted as a finalist in three categories for the 2015 GE Awards, namely ground-investigation projects, ground-investigation specialist and sustainability.