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Showguide p24

Foundations & Drilling

New techniques and new models will be on display from leading foundations companies.

SOILMEC, which recently celebrated its 4,000th machine, said it would not be featuring new equipment or new machinery at Intermat, but it would be concentrating on new technological solutions, particularly CAP – case augered piles.

This technique has been recommended by Soilmec for the past 18 months or so, and the company claims that using this technique means that five piles a day can be sunk, rather than a single pile in two days. It also said it was cleaner, quicker and less noisy.

Using CAP, the excavation uses an auger housed inside a casing, and the auger and casing are driven by two independent rotaries.

Soilmec said the CAP system had been developed for executing Berlinese type walls.

BAUER's stand will feature the MC 64 from the company's foundations crane range, as well as an updated version of the BG 30-BS 95 rotary drilling rig. The new machine replaces the BG 28-BS 80 drilling rig that was launched in 2004. The new model incorporates a range of improvements suggested by customers as well as a Stage IIIB-compliant diesel engine.

The requirement for more engine cooling has meant a redesign of the machine's upper carriage, and this part of the machine has also seen the winch relocated towards the rear and upgraded to 274kN of line pull. The counterweight now comprises horizontally mounted slabs which the company says are easier and safer to assemble as well as offering a more flexible configuration.

New drilling technology from **ATLAS COPCO** comes in the form of the Edge drill monitor for down the hole hammer drilling.

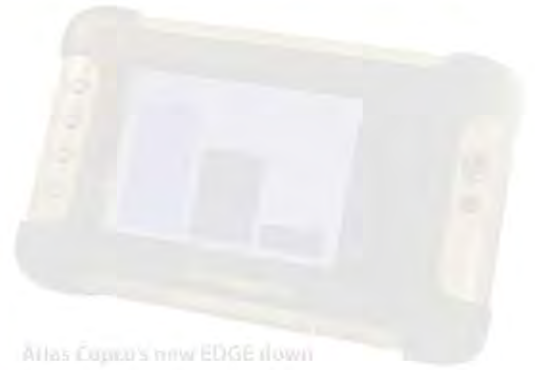
Jointly developed by Atlas Copco and SPC Technology, Edge continuously monitors drilling operations, giving the drill operator a graphical display of real-time information. The device can be fitted to all deep hole drill rigs that use Secoroc DTH hammers.

Also on show will be the new T-WiZ range of drill strings, which combine the T-WiZ Speedrods and T-WiZ shank adapters, and



offer up to 30% longer service life than its predecessors. Atlas Copco said this meant "fewer rod changes and more productivity per shift". The drilling system comes in three sizes, T38, T45 and T51.

MVE will introduce its new EcoStrike hydraulic piling hammer, which is available with the company's MeasureStrike system, which regulates and records the impact parameters.



Atlas Copco's new EDGE down hole drilling monitor has been co-developed with SPC Technology.

Atlas Copco says its new T-WiZ drill strings will provide up to 30% longer service life than previous drill strings.

As well as allowing contractors to document their work, this means the hammer is suitable for a range of applications, including precast concrete piles, steel casings and profiles, wood piles and combi-piles.

Features of the hammer include a low wear cylinder assembly, shock-resistant electrical connectors, accelerated or free-fall modes, and high frequency operation if required. MVE also says the machine is 25% quieter than its predecessor, while using the acceleration mode increases efficiency by 20%.

The EcoStrike hammers are available with 4 to 40 tonne drop weights.



Bauer's BG 30 rotary drilling rig is now replacing the BG 28 BS 80.



Soilmec recently celebrated selling its 4,000th machine.