Innovation News



Soilmec reveals next-gen piling rig



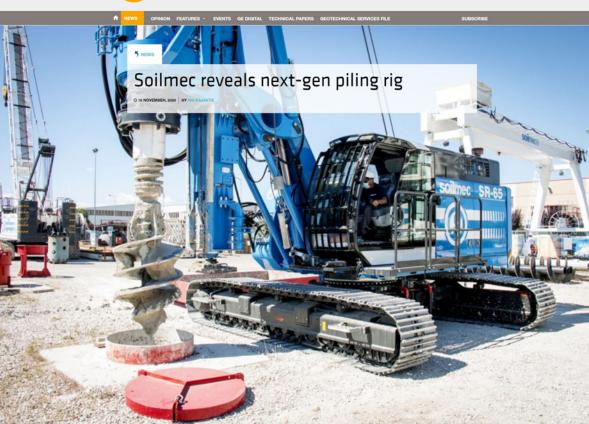












Italian drilling and foundation equipment manufacturer Soilmec has introduced the second machine in its Blue Tech series, which is meant to offer flexible and energy-saving rigs for the large-diameter piling market.

The Soilmec SR-65 was first introduced in 2018 in the EVO version. The large-diameter piling (LDP) rig was designed for drilled shaft work, as well as for use with segmental casing and continuous flight auger

During the online launch event for the SR-65 Blue Tech, Soilmec marketing director Davide Panzavolta explained: "The Blue Tech line has been designed to offer customers an extremely flexible and reliable drilling rig. The switch between one set-up to another starting from today will be much easier. In addition, we have redesigned the operator cabin, and we have upgraded the hydraulics and mechanics for

Designed around a new energy-saving architecture, the next-generation Soilmec rigs meet the dema of productivity, flexibility and functionality across all drilling set-ups and technologies available. The two main features that shape the Blue Tech line are multifunctionality and efficiency."

According to Soilmec, Blue Tech drilling rigs can prove agile on a job site due to their compact design and quick mobilisation for rapid start-up. The 65t SR 65 Blue Tech allows for transport of the rig (with Kelly

The hydraulic and electric systems have been simplified to minimise energy loss and provide added space efficient drilling power, pull capacity, performance and fuel efficiency.

performance losses during duty cycle operations. The growing environmental issues together with mor stringent regulations in our industry have been leading to development of new generation machines an architectures for improving the energy efficiency and lowering the carbon footprint," Panzavolta said.

"One of the hallmarks is the redesign and optimisation of the hydraulic systems in order to reduce

The rig is powered by a Cummins L9 diesel engine, which can deliver 272kW at 2,100rpm. It meets the Stage V/Tier 4f emission standards. It can also be set up to offer a power surplus up to 283kW, maki the rig capable of handling more difficult drilling conditions

cutting energy loss. The diesel engines are fitted with low-idle systems and automatic radiator control to enable automatic adjustment of the speed to fit the actual drilling needs."

The compact, lightweight rotary head is able to transmit a maximum of 258.5kNm. It can be fitted with

According to Soilmec, its spin-off system "leverages the high rotational speed cinematic energy that is led when using an auger". The SR-65 Blue Tech also has a new 'click-click' discharge system that is useful when applied on a drilling bucket or in very cohesive soils.

"To boost productivity in hard soil and rock, and to minimise loss in tough operating conditions, the SRoptimising the drilling speed and productivity in every phase of drilling," the manufacturer explained

The SR 65 Blue Tech has a tail swing radius of 3,750mm. The rig's mast can use a 16.5m Kelly bar to achieve depths of over 77m. The mast itself is also prearranged to mount both cylinder and winch crowd

wd system, with an extraction power of 280kN, is equipped with a double positioner on the drilling mast. This allows the use of the entire available track for both large diameter tools (working der the lower part of the mast) and long casing segments. The rig can also be equipped with a winch crowd system that can offer a track of more than 16m with extraction power of 330kN.

pass. Additionally, the SR-65 Blue Tech can be fitted with a segmental mast for low headroom (LHR) operation. The modular mast allows set-up of the machine into LHR configuration by removing the upper element thus reducing the overall height to 8.5m

The rig is equipped with Soilmec's Drilling Mate System (DMS) 4.0, providing a graphical navigation menu

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