

# Soilmec launches SR-65 Blue Tech

The evolution of Soilmec's EVO SR-65 sees the company launch the SR-65 Blue Tech

PILING 12 NOV 2020



# The rise or fall of the manual drilling sector in the DRC

12 NOV 2020  
WELLS & BOREHOLES



# A licence to drill — the next major improvements in core drilling

CORE DRILLING & SAMPLING 12 NOV 2020



# Work begins on second section of new Dawlish sea wall

INFRASTRUCTURE & UTILITIES 11 NOV 2020



FPS to establish Sustainability Working Group

**CLIMATE CHANGE IS ONE OF THE GREATEST CHALLENGES OF OUR TIME**

**DID YOU KNOW?**

- THE UK CONSTRUCTION SECTOR IS RESPONSIBLE FOR CA. 40% OF CARBON EMISSIONS, AND THE UK IS COMMITTED TO ACHIEVING NET ZERO CARBON EMISSIONS BY 2050
- THE GEOTECHNICAL INDUSTRY IS RESPONSIBLE

WE NEED VOLUNTEERS FROM EACH MEMBER COMPANY TO JOIN OUR GROUP, TO PLAY THEIR PART BY ACHIEVING THE FOLLOWING

WATER USE REDUCTION TARGETS

CARBON REDUCTION TARGETS

HOT TOPICS

Research Report: Automation 2020. Industry first review of fleet automation





## Soilmec launches SR-65 Blue Tech

When asked what do drillers want? The reply from Soilmec is: "A great drilling machine, reliable and simple to maintain. A high-performing machine even in the hardest conditions, a machine that is able to ensure comfort and safety to all personnel on site. A machine with low operating costs and ease of transport, with automatic features to ease the work. A machine like the SR-65 Blue Tech, what else?



The newly launched SR 65 is the second rig

Construction & Foundations > Piling

12 November 2020

Comments

Share

Staff Writer

The Soilmec SR-65, introduced for the first time in 2018 in the EVO version, has become a popular choice for LDP drilling rigs on foundation construction projects. The SR 65 has become well known for its performance capabilities in drilled shaft work as well as with segmental casing and CFA.

As part of the continued effort to advance drilling technologies, the SR-65 is being upgraded to the Soilmec Blue Tech version which includes a redesigned operator cabin, new hydraulics and mechanics for improved efficiency.

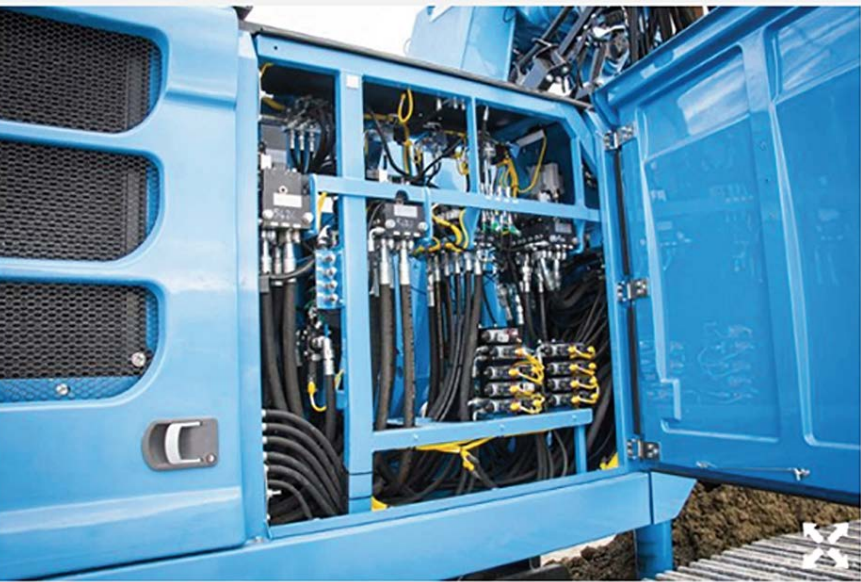
Designed around a new energy-saving architecture, the second-generation SR-65 Blue Tech is a rig that meets the demands of productivity but also improves flexibility and functionality across all drilling setups and technologies.

Soilmec's Blue Tech drilling rigs have been designed to be easy to use and agile on the job site as reflected in the compact design, quick and efficient mobilisation for rapid start-up on job sites, and providing a comfortable operator's workplace with drilling specifications that meet today's customer priorities for mechanical performance, safety and productivity.

The SR 65 Blue Tech will continue to weigh in at approximately 65t (c/w 4x13.5m Kelly bar), which allows for transport of the rig (with Kelly bar on), in most locations, in just a single load. This allows for quick mobilisation with the ability to unload the rig and start working in less than 30 minutes.



At the heart of the SR 65 Blue Tech is a new diesel engine, a Cummins L9, which delivers 272kW (365hp) at 2,100rpm. The engine meets the Stage V / Tier 4f emission standards and can also be set up to offer a power surplus up to 283kW (380hp), making the rig capable of easily handling the most difficult drilling conditions. These diesel engines are equipped with low-idle and automatic radiators' control. Additionally, the new engines will automatically adjust speed according to the actual needs of the drill. In this way, the engines improve combustion and cooling efficiency and permit real reductions in noise pollution.



At the heart of the SR 65 Blue Tech is a new diesel engine, a Cummins L9, which delivers 272kW (365hp) at 2,100rpm

The hydraulic and electric systems have been simplified to minimise energy loss and provide added space for maintenance. The main pumps have been optimised with the new engine to deliver efficient drilling power, pull capacity, performance and fuel efficiency.

In terms of torque, pull up and clearance, the SR-65 Blue Tech ranks on top among the available options in the market and represents the ideal choice for use with segmental casing technology.

The rotary head has a compact and lightweight design that can transmit a maximum of 258.5kNm and can be fitted with two different waste discharge systems.

The Soilmec spin-off system leverages the high rotational speed cinematic energy that is unparalleled when using an auger. The SR-65 Blue Tech also has a new 'click-click' discharge system that is much more efficient when using a drilling bucket or working in very cohesive soils.



Soilmec debuts Blue Tech line with the launch of the...

PILING

31 JAN 2020

To boost productivity in hard soil and rock, and to minimise loss in tough operating conditions, the SR-65 Blue Tech rotary head is equipped with automatic control of motor displacements. This results in optimising the drilling speed and productivity in every phase of drilling. Ultimately these small, selected measures reduce losses and make it possible to achieve better torque efficiency on the drill tool.

The design of the SR 65 Blue Tech is solid and compact. The tail swing radius is just 3,750mm and the high strength mast allows the use of 16.5m Kelly bar to achieve depths of over 77m. The mast itself is also prearranged to mount both cylinder and winch crowd systems depending on need or preference. The cylinder crowd 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 under 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. The added stroke and power provide the ability to drive longer casing segments in a single pass.

Additionally, the SR-65 Blue Tech can be fitted with a segmental mast boosting its versatility and low headroom operation capability. The modular mast allows setup of the machine into LHR configuration by simply removing the upper element thus reducing the overall height to just 8.5m.

A prominent feature of the Blue Tech advancements is the redesigned Soilmec cab. Working with Soilmec customers around the globe, the new cab went through a ground-up redevelopment and testing process with the goal that operator comfort and safety will result in better operator performance.



The new cab went through a ground-up redevelopment and testing process

The cab is equipped with a seat featuring pneumatic shock absorber, vertical, angular and seat-back adjustments, lumbar support and operator's presence microswitch. The position of levers and pedals is designed to provide more space between them and the seat base for better foot support.

A powerful HVAC system with re-circulating air ensures a consistent temperature and pleasant work environment even in adverse meteorological conditions.

The cab also features enlarged storage containers behind the seat and on the side of the armrest for better accessibility and operability. Three locked glove boxes (one of which is air-conditioned), a large compartment for placing helmet and jacket, two dual cup holders and a file folder create more usable cabin space. USB port, phone charger mount (USB or wireless), radio player, ambient lights with LED ceiling lamps contribute to a positive operator experience.

The cab has a front windshield in stratified glass that allows working without protection grids, moreover, the right-side glass with reduced transmittance increases the monitor's brightness in the cab.

The SR-65 Blue Tech is built in compliance with most stringent safety standards with special care of easier accessibility, higher visibility and safer manoeuvrability without losing sight the eco-friendly characteristics. The rig is equipped with platforms, handrails, video-camera kit with a dedicated 7in monitor, adjustable mirrors to see full 360 degrees in all directions, a radio remote control for rig loading and unloading and automatic acoustic safety alarm during rig travelling and turret rotation.

The rig is equipped with Soilmec's DMS 4.0 (Drilling Mate System). DMS 4.0 provides a simple graphical navigation menu to assist the operator in the day to day planning and drilling execution.

With a suite of new functions and automated services that allow for easy set-up and use, DMS 4.0 helps minimise downtime and maximise productivity. DMS 4.0 was also implemented with a wide range of automatic functions to simplify and optimise the operator's drilling activities including interlocking display system to assist using Kelly bar, automatic return to the centre hole or continuous flight auger autodrilling device.

Got a story? Email: [duncan.moore@aspermontmedia.com](mailto:duncan.moore@aspermontmedia.com)

Essential news and features for equipment producers, engineers, consultants and contractors for over 25 years.

GeoDrilling International

Find out more

Determining formation porosity permeability using borehole magnetic resonance

EUROPEAN GEOPHYSICAL SERVICES

SPONSORED



PARTNER