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BUILDING THE ARK

Keller Canada helps protect the Calgary Zoo from future flooding

THE SECRET TO DEWATERING

Finding the best way to pump water for your project

THINKING

How abandoning tradition made the Pennsylvania Turnpike construction a success





Above: The SR-45 is equipped with the Soilmec DMS system in order to have total control over the rig performance and site production rates.

Top right: The SR-45 has been designed to meet different geological and operational conditions.

Bottom right: The SR-45 is equipped with a device that can automatically move the mast from the transportation condition to the working position and vice versa.

operations and deliver a maximum torque of 185 kNm. The mast, which is completely new, is built with high strength steel that allows streamlining the rig for easier portability and optimizing the balance in the front part of the drill rig by improving its stability. The rig is also equipped with a device capable of automatically moving the mast from the transportation condition to the working position and vice versa, which is particularly functional because the SR-45 can be transported complete with kelly bar hence reducing the site installation times. The SR-45 can be optionally equipped with a mast extension that allows using 5x13 five self-erecting masts and drilling up to a depth of 61.5 metres.

PRECISION DRILLING

The SR-45 is equipped with the Soilmec DMS system in order to have total control over the rig performance and site production rates. DMS — Drilling Mate System — is a project born in the mid-1990s with the aim of providing to both operator and jobsite personnel an active instrument to control and interact with the machine. It features characteristics such as CAN OPEN bus, full colour touch-screen suitable for the drilling field, diesel engine electronic control unit and machine parameters interface, easy troubleshooting and a double PLC redundant system for superior reliability. The DMS, thanks to its software, can collect, display and process via a PC all the data collected by the machine (drilling and concreting parameters), allowing it to create jobsite reports, analyze production and processing, plan machine maintenance, etc.

The field response has been very positive with excellent production rates achieved as the rig integrates perfectly with the other Soilmec grout line equipment being used, demonstrating that the SR-45 ADV is a little big rig. ●



