

TERRATEC DELIVERS TWO NEW MICROTUNNELLING SYSTEMS



On 15th December 2015 TERRATEC successfully completed the Factory Acceptance Tests of two new Microtunnelling Systems in its facilities in Thailand for the MRTA Green Line (North) Project.

The MTBMs are made for jacking standard Concrete Pipes of either I.D. 1500mm or 1800mm, with 3000mm length. Contractor, Italian-Thai Development Public Company Limited, will use the two machines to complete the power cable tunnels associated to the Sky Train System.

TERRATEC scope of supply from include the Shield, the Main Jacking Station, Intermediate Jacking Stations, the Slurry Transport System, a digital Guidance System and a Control Room on the surface with the Operation Panel and Power Pack.

The system was designed by TERRATEC on its Engineering Centre in Australia. The production and assembly were done in TERRATEC's new plant in Thailand, with key components coming mainly from Australia and Japan.

The machines are to bore in the typical Bangkok soil composed of clay, stiff clay and very stiff clay. As the machines may encounter the wooden piles or pieces from previous ancient houses, the design of the CutterHead integrated a Cone Crusher. Other state-of-the art features include the Enzan-Terratec laser guidance system developed jointly for this small tunnelling machines, the VFD drive for the CutterHead or the data recorder and remote access for the complete tunnelling system.



In the last three years, TERRATEC has sold twenty-one (21) Microtunnelling Systems with diameter ranging from 300mm to 2000mm. With these two new MTBMs and other orders in production, the Company consolidates its presence in the international market as a leading supplier of the Microtunnelling machines as well.

TERRATEC TBM BREAKS THROUGH IN ISTANBUL METRO

Terratec is pleased to announce that its EPB TBM designated as S42 holed through on Friday, the 4th of December 2015 in Istanbul after completing the first half of its proposed run from Yenimahalle to Veysel Karani for a total of 2900 meters.

The drive was completed in 7 months of boring time, with the best day boring 23 rings (34.5m) and the best month 532 meters. "S42 has performed without fault in the mixed ground conditions that are typical for this area in Istanbul, from full face of rock to full face of soil and

everything in between she has just been flying", said Sinan Acun, the tunnel Chief for the Joint Venture.

The Joint Venture is comprised of Gulermak, Kolin and Kalyon, some the most experienced Turkish tunneling contractors operating in the Turkish and international market today.

The ground has varied from true mixed ground to soft ground with up to 4 bar EPB face pressure being applied. The machine is now to drag through approximately 200m of station and then will be removed via a 60m deep shaft

and relocated to the beginning of the Yenimahalle station and rerun the alignment to complete the section.

A generous program has been given for completion by February 2017, however if (as expected) the completion is earlier, S42 might assist the other machines on the project to complete their lots.

Watch video: <http://www.terratec.co/video/03.html>





WATCH US ON

Here is a video with TERRATEC TBM S42 Breakthrough (Istanbul Metro) Watch now!



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