

## PRESS RELEASE

**For Worldwide Release: August 2012**

### **PRIME MINISTER KICKS-OFF BLUE LINE EXTENSION PROJECT**

Release Number: 187

Terratec is pleased to announce that on August 24, 2012 a Terratec 6.44m diameter EPB-TBM completed its assembly and testing at the jobsite for the Bangkok Metro Blue Line Extension contract 1.

The official commencement of the project was held on Friday, August 24<sup>th</sup> in the presence of the Prime Minister of Thailand, Ms. Yingluck Shinawatra, as well as officials from Mass Rapid Transit Authority of Thailand (MRTA) and Italian-Thai Development PCL.



*Prime Minister, Ms. Yingluck Shinawatra, in the presence of MRTA authorities and ITD delegates with TERRATEC team members*

The Bangkok Blue Line Extension is the second phase of the subway system in Bangkok and the project is designed to mitigate the growing traffic problem in the Metropolitan area and is also meant to better serve commuters who live in the outskirts of the metropolitan area. The tunnel will be excavated underneath historical Chinatown, which is a densely populated area as well as underneath the Chao Phraya River in Bangkok.

The Terratec EPB-TBM was designed and produced by Terratec in cooperation with Japan Tunnel Systems Corporation (JTSC), subsidiary of Japanese-Giant IHI Group. The EPB shield has been specifically customized for this project, with a unique IHI design of a cone-type CutterHead for positive cutting of any concrete piles, which may be encountered on the way. Terratec also provided the Tunnel Belt Conveyor System and has deployed a team of engineers and operators to assist during the assembly and commissioning of the TBM and Conveyor System.

The shield machine diameter is 6.44m and the tunnel length is 5,100m. The daily advancement average is expected to be 10-15m. Ground Conditions anticipated along the tunnel alignment consist primarily of soft to stiff clay and dense sand

coupled with high water pressure. Segment Lining is done with RC Segment Rings of OD 6300mm, ID 5700mm and Length of 1200mm.

This EPB-TBM is significant for the development of Bangkok's metro network as it's the first TBM to bore there for ten years. The project is expected to be completed by 2015.

Press inquiries: [info@terratec.com.au](mailto:info@terratec.com.au)