

## Metro Istanbul Expansion - Breakthrough at Guneş Sanayi Station



GÜLERMAK - DOĞUŞ  
ADİ ORTAKLIĞI

doğuş



## CONGRATULATIONS !

The Gülermak – Doğuş Joint Venture has announced the LOVAT RME257SE Series 23100 Tunnel Boring Machine has broken through at Guneş Sanayi Station. This TBM was the third LOVAT TBM delivered to the Joint Venture for expansion of Istanbul's Metro System.

The 6.5 metre diameter Mixed Face, Earth Pressure Balance TBM commenced excavation at the Basak Konutlari station, completing 3,640 of 6,450 metres of tunnel en route to Mahmutbey Station. The TBM attained a daily average production rate of 16 metres per day with a best day rate of 22 metres.

Geological conditions encountered consisted of soft ground, primarily comprised of clays, silts and sands, with maximum EPB pressures of up to 5 bar.

The TBM will continue excavating from the Guneş Sanayi station with a 1,900 metre drive to Itoç station, then a 910 metre drive to Mahmutbey Station.