DTSS 2 TODAY

Issue: May 2019

DTSS 2 PHASE 2

A super highway for used water management, the Deep Tunnel Sewerage System (DTSS) is a core water infrastructure which provides a cost-effective and sustainable solution to support Singapore's long-term needs for used water collection and reclamation for reuse.

DTSS Phase 1, spanning the eastern part of Singapore, was completed in 2008. DTSS Phase 2, when completed in 2025, will extend the DTSS to the western part of Singapore, culminating at Tuas Water Reclamation Plant (Tuas WRP). The Tuas WRP will utilise advanced technologies and innovative designs to achieve enhanced energy and water recovery from used water.

32.4% Overall Progress



Tuas WRP (part of Tuas Nexus)



Domestic Used Water 650,000 m<sup>3</sup>/day Industrial Used Water 150,000 m<sup>3</sup>/day **50 km** 

Link sewers constructed By pipe jacking machines

Link sewer internal diameter 0.3 to 3 m

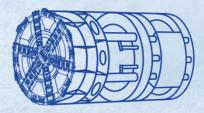
Launch of

**First TBM** 

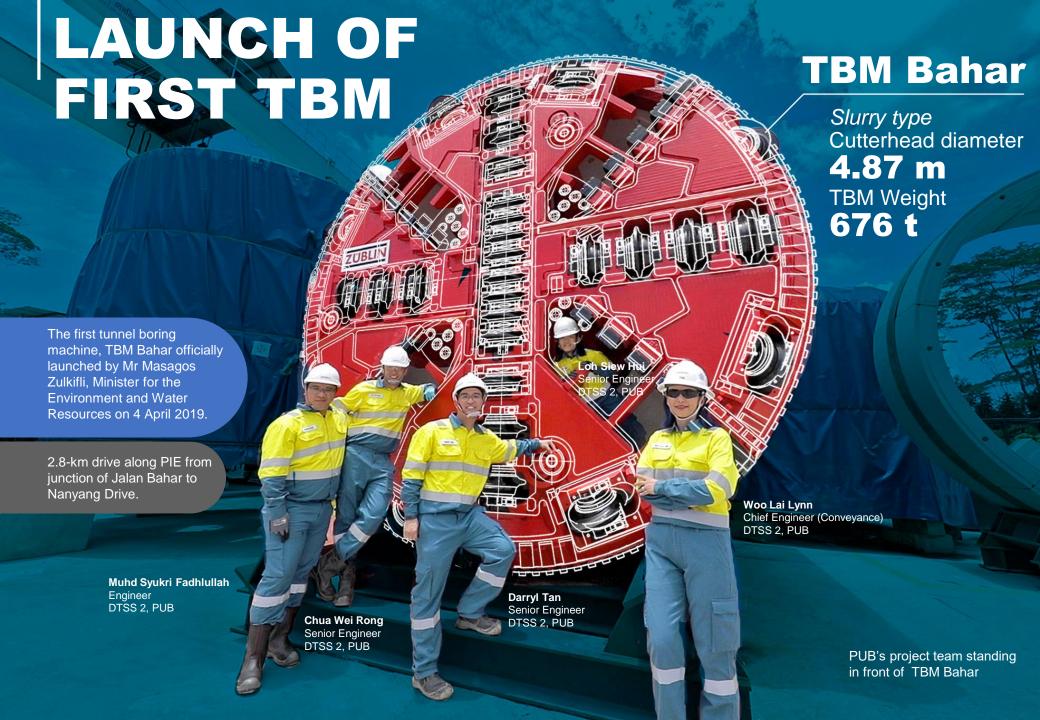
TBM Bahar

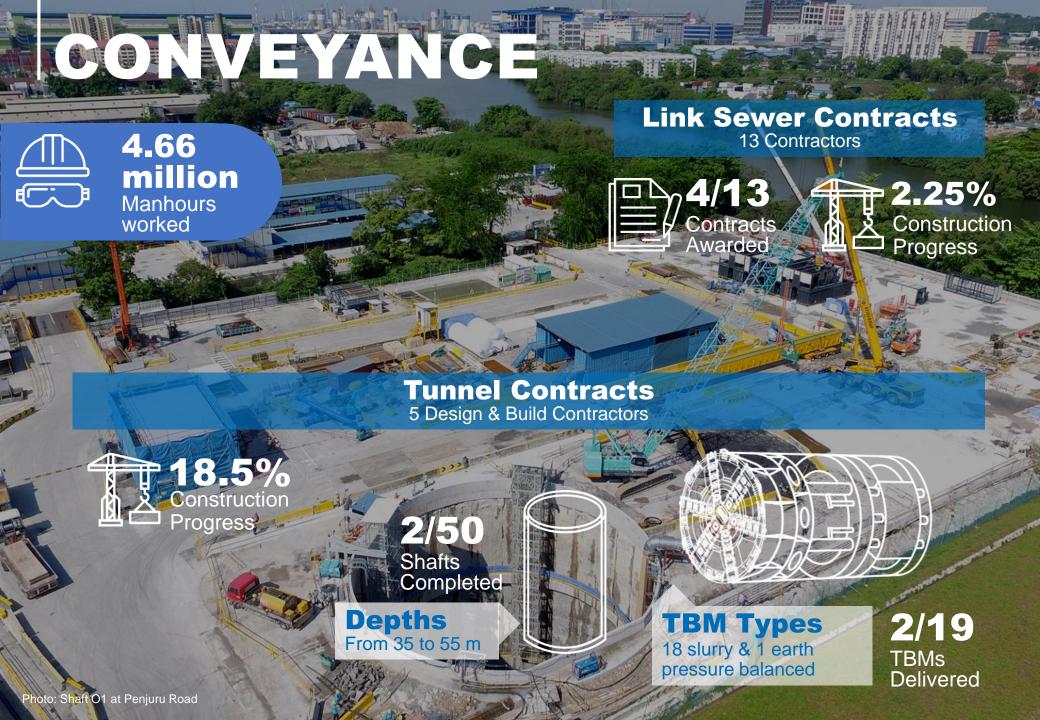
50 km

Tunnels constructed by Tunnel Boring Machines (TBMs)



Tunnel internal diameter: 3 to 6 m





## TUAS WRP THE PARTY OF THE P **Contract 3A** Industrial Liquids Modules and NEWater Plant **Contract 1A** Tender has been published in GeBIZ. Site Development Works McConnell Dowell is currently working on the grounds, preparing the site setup which includes overall site earthworks, setting up of the site office and temporary utilities. **Contract 3C Contract 2A** Domestic Liquids Modules and NEWater Plant Influent Pumping Stations Tender evaluation is in progress. Pre-tender qualification evaluation is in progress. **681,000**Manhours worked 2.8% Construction **Progress** Photo: Tuas WRP Site

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## Consultants





































