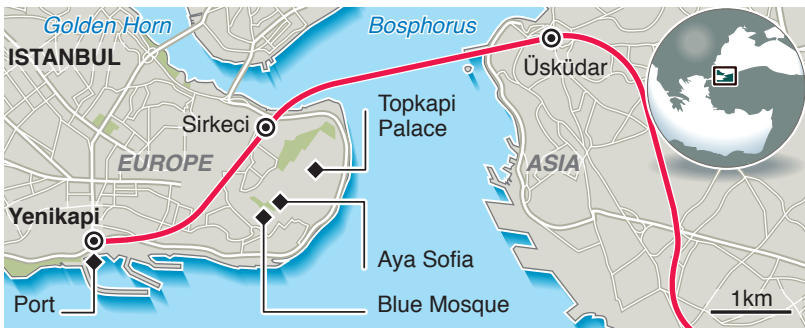


Bosphorus rail tunnel links Europe and Asia

First conceived in 1860, a tunnel linking the continents of Europe and Asia has finally opened in Istanbul. Work on the \$4.5bn project began in 2004 but faced delays for archeological excavations of a 5th century port



Stations: Yenikapi Sirkeci Üsküdar

Bore tunnels

One tunnel in each direction, drilled through rock

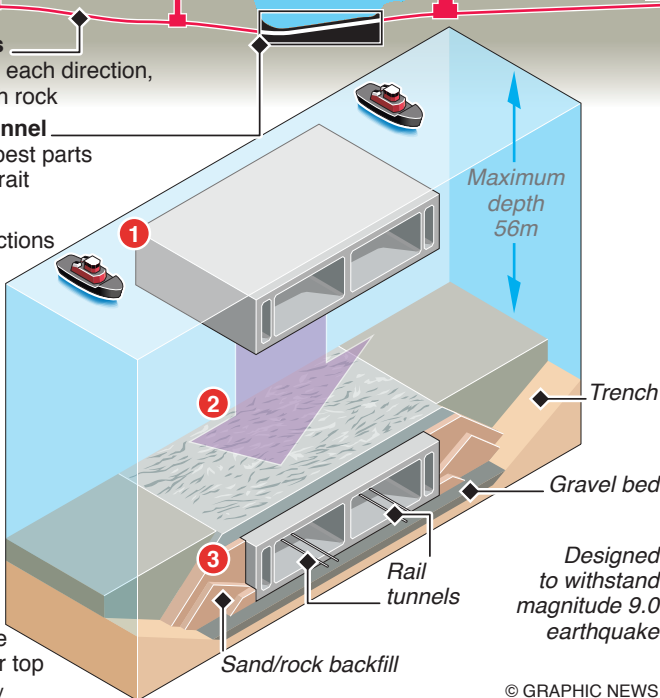
Immersed tunnel

Crosses deepest parts of Istanbul Strait

1 Tunnel sections towed to site. Temporary bulkheads at each end prevent flooding

2 Sections lowered into prepared trench and butted up to preceding section

3 Backfill and protective layer laid over top



Designed to withstand magnitude 9.0 earthquake