

# Aktio-Preveza Crossing, Greece

Contractor: Christiani Nielsen & T.C.G.C. S.A. Joint Venture

1998/99

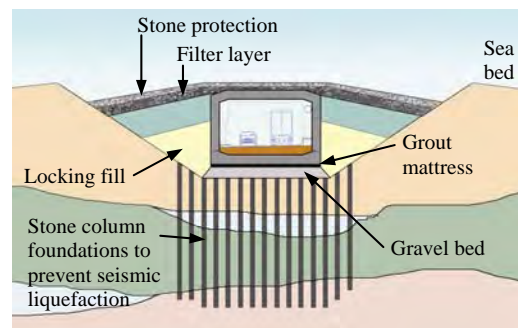
In order to reduce travel time in Western Greece, a 4.7 km tunnel was constructed between Aktio in the south and Preveza in the north.

Part of this project consisted of a 1.57 km Immersed Tube Tunnel which is made up of 8 prefabricated elements each between 59.2 and 134.5 m long.

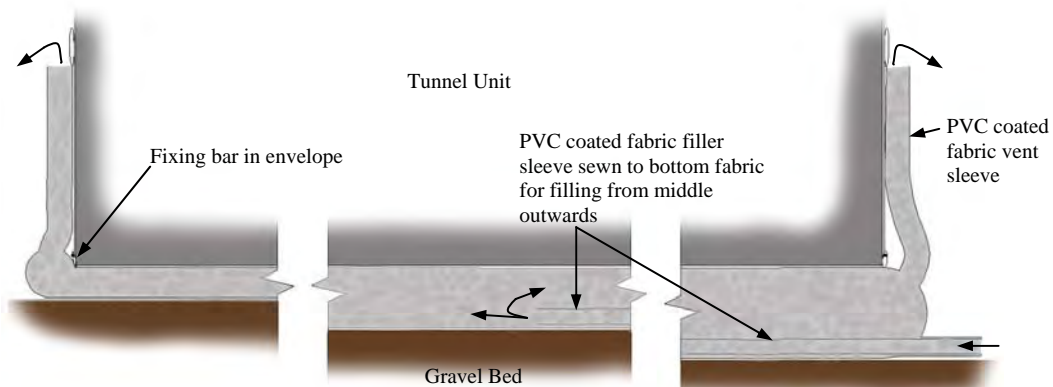


Location Plan

These elements were then floated in the casting basin and the grout mattresses fixed into place on the underside of the tunnel. The sections were then moved into position and sunk onto temporary supports in a predredged, and gravel bedded, trench. The mattresses were then pump filled with grout, from the centre outwards, to ensure there are no entrapped water voids, and a good foundation is created.



Typical Section Through Tunnel



Section Through Mattress, Shown at Various Thickness



Installation Preparation by Divers



Diver Fixing Mattress to Underside of Tunnel