

HIDD PIPELINE PROJECT

Client : Hidd Power Station

Main Contractor : Christiani & Nielsen/Nass Contracting

Location : Bahrain

Water Depth : 5-7 msw

Kraken[©] played a very important role on the HIDD project in Bahrain carried out by a Joint Venture of Christiani & Nielsen & Nass Contracting. Kraken[©] was specified to transport a proportion of the pipes on the surface as well as to provide underwater lightening buoyancy to reduce the winch load on the 4km x 4 pipes bottom pull.



A most unfortunate fatal accident with the winch in the early stages of the pull resulted in a complete change of method which involved the Kraken[©] being used exclusively to not only transport all the pipe to the lay position up to 7km away, but also to hold it on the surface while it was welded as well as perform the controlled sinking into 5/7m of water.



While not without some problems, Kraken[©] performed this quite unexpected and un-planned task, and 5 months later the contract was completed using no other form of pipe transport or control whatsoever.



Photographs:

Top & Above Left: 25m sections of Kraken attached to 18" gas pipeline, 2" concrete weight coating.

Above & Left: 1st of 9 sections to be floated from pipe yard and laid into trench 5km away. This 354m section of pipe was pulled, rigged, floated, towed (5km) and positioned in the trench in under 6 hours. Tow speed was 2 – 3 knots.

