Precast – Algerian – European Offshore Pipeline

Project:
Algerian-European offshore "MARINE PIPELINE EPIC CONTRACT

Date:
2007 - 2009

Client:
MEDGAZ

Main Contractor:
Saipem S.p.A

Precast supplier:
SPS Ltd. Dundee

Project details:

A new 210km pipeline, to carry 8 billion M³ per year of gas from Spain to Algeria, required bridging supports for crossing fibre optic cables already laid on the seabed in this section of the Mediterranean. Precast sub-contractor SPS designed the structures to MEDGAZ specification for the 'deep end' (1945m) of the pipeline.
They selected to use Lytag® LWA course and fine material to produce 40N/mm² precast concrete cradles/supports to be suitable for use in a "Marine Environment" with a maximum in air lift weight of 17 tonnes, this weight was limited due to the offshore cranes lifting capability.
The units were produced in Dundee and transported by road to Spain. The concrete supports were then taken offshore by an installation vessel. The units were lowered to the seabed using the installation vessel crane and positioned by ROV (remote operated vehicle).