PIPELINE PROTECTION CASTOR UNDERGROUND GAS STORAGE DEVELOPMENT

TARRAGONA - EUROPE - Spain



TIPO DE PROYECTO	AÑO DE CONSTRUCCIÓN	CLIENTE	CONTRATISTA	DISEÑADOR
Protección De Tuberías	**2025**	**ESCAL UGS**	**ACS COBRA CASTOR UTE**	**SAIPEM**

PRODUCTOS RELACIONADOS
ACBM (50 ACBM)

Desafío

SAIPEM on behalf of ACS (Actividades de Construcción y Servicios), a Spanish company dedicated to civil and engineering construction in a variety of industrial sectors such as Oil&Gas, LNG and regasification, ecc., realized one 30" internal diameter offshore pipeline and a Fiber Optic Cable for UGS project. The 30.5 km pipeline will transport natural gas from the Spanish gas pipeline system to the offshore reservoir and the 31 km fibre-optic cable will connect the offshore platform to the onshore operations plant. The Castor Underground Gas Storage Development project in Spain re-develops the abandoned Amposta Reservoir as an offshore storage facility that will provide stability and back-up to the gas supplies of Spain in periods of high gas demand. Furthermore the Castor UGS Project is considered by interested parties, industrial and governmental, to be the preeminent underground gas storage project in Spain, and essential for the Spanish gas system, as reflected in it being assigned the highest category, 'A' Urgent, in the updated Energy Infrastructure Plan (2005- 2011) approved by the Government in 2006. ACBM

mattresses have been used both to carry out crossing of existing pipelines and to guarantee the required ballast to pipe and cable.



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Solución

Considering the problem that has been presented, the suitable solution supplied by Maccaferri for UGS Project was ACBM mattresses with dimension 6.32 x 2.92 x 0.30 m. These Mattresses were able to guarantee both stability of the pipeline and at least 30 cm of separation at pipeline and cable crossings OFFICINE MACCAFERRI supplied: 50 ACBM dimensions 6.32x2.92x0.30 m with centerlines and four corner blocks painted in yellow colour suitable for marine application to facilitate udnerwater installation. ACBM manufacture has been carried out in Maccaferri premises in Leida (SPAIN) and ACBM Mattresses were delivered at Castellón de la Plana Port. Thanks to its modular formwork Maccaferi was able to guarantee a production of ACBM mattresses apporx 300 km far from final delivery point.

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