

Client / Operator : Saipem S.p.A. / ERS BV
 Project name : Derrick lay barge CASTORO II
 Construction yard : DryDocks World - Dubai
 Country : United Arab Emirates
 Period : June 2008 – May 2009
 Category : Engineering and consultancy



PROJECT DESCRIPTION

Saipem decided to upgrade the complete mooring system, to increase pipelaying capabilities. In total 13 winches were replaced by 11 new winches, with a break load capacity of 200 ton each. Due to winch and fairlead size increase several smart engineering solutions were designed, in order to facilitate the new winches and fairleads in the existing rooms.



TECHNICAL DATA

Principal Particulars

Length over all	: 135.00	m
Breadth over all	: 32.60	m
Depth moulded	: 9.00	m
Maximum draft	: 5.50	m
Total installed power	: 6,300	kW
DP system	: N/A	-
Max. pipe diameter	: OD 60	inch
Tension capacity	: 3 x 90	t
Main crane	: 998	t
Accommodation	: 248	pers.



OUR SERVICES

The Offshore Partners provided the following services:

- Engineering of foundations and structures for the following equipment:
 - Winches (11x)
 - Fairleads (12x)
 - Sheaves (11x)
 - Knuckle boom cranes (4x)
 - Winch houses and switchboard room (2x)
- The following deliverables were provided:
 - Design
 - Calculations
 - General arrangement drawings
 - Basic engineering drawings and documents
 - Installation procedure

