

Client / Operator : Saipem S.p.A. / ERS BV  
 Project name : Pipelay barge CASTORO 10  
 Construction yard : ERS yard, Schiedam  
 Country : The Netherlands  
 Period : April 2010 – May 2010  
 Category : Engineering, consultancy, project management and supervision



### PROJECT DESCRIPTION

Mid April 2010 Saipem requested The Offshore Partners to execute measurements and a study, to determine the exact cause of the immoderate noise and vibrations originating from the new engine room. After providing the results and recommendations, Saipem requested TOP to execute the necessary conversion as per recommendations. Steel foundations were adjusted, generators sets were replaced, new exhaust silencers and louvers were installed as well as a considerable amount of insulation material both in the engine room and in the accommodation. All of this, resulted in a significant noise and vibration reduction, which was beyond expectations.



### TECHNICAL DATA

Principal Particulars

Length over all	: 139.12	m
Breadth over all	: 36.58	m
Depth moulded	: 9.16	m
Maximum draft	: 5.20	m
Total installed power	: 6,850	kW
DP system	: N/A	-
Max. pipe diameter	: OD 56	inch
Tension capacity	: 2 x 60	t
Accommodation	: 168	pers.



### OUR SERVICES

The Offshore Partners provided the following services:

- Engineering for noise and vibration study
- Engineering for engine room deckload reinforcement
- Project management of conversion based on a lump sum contract basis, covering all necessary subcontractors

