

Client / Operator : Royal Dutch Shell and N.A.M. BV  
Project name : SWEEP study  
Construction yard : N/A  
Country : The Netherlands  
Period : Mar 2006 - Jun 2008  
Category : Conceptual design support  
Engineering and consultancy  
Operational support



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### PROJECT DESCRIPTION

The Offshore Partners in joint venture with Huisman-ltrec were requested by Shell and its subsidiary N.A.M., to carry out a study, with the objective to develop a low cost approach for marginal field development and installation.

Numerous shallow water marginal fields have not been developed yet, as until now they have not been profitable, due to the combination of low oil prices and high investment costs. To enable a more efficient development of such fields, a low cost method to install small diameters pipeline in shallow water were developed, from the well head connection to the host facility.



### OUR SERVICES

The Offshore Partners provided services, including the following deliverables:

- Inventory of applicable rules, regulation and standards
- Inventory of applicable wells
- Design of subsea pipeline and umbilical configurations
- Development and determination of operation and installation methods and scenarios
- Set up of typical procedures
- Providing several options and possibilities of installation equipment
- Concept design of spoolbase
- Set up of operational durations and budgets for vessel(s) and equipment

