



## Plastic Reeled Elastic Pipelay system (PREP)

- ⊗ PREP is a modular system designed for laying up to 8" pipe in 150m of water. This system provides a more tailored solution for shallow water pipelay projects.
- ⊗ PREP utilises the elastic properties of pipes, allowing pipe to be laid from smaller, more readily available vessels thus achieving considerable cost savings.
- ⊗ Advantages of Plastic Reeled Elastic Pipelay:
  - Economic pipelay on a project by project basis
  - Quick mobilisation with standard components
  - Fits smaller vessels than competitors systems
  - Allow the undertaking of construction projects where core scope is rigid pipelay
  - Good match with Olympic spoolbase.
- ⊗ Olympic Spoolbase is one of our patented technology systems which revolutionises the method of manufacturing, storing, loading and transporting piping for pipe lay projects;

## ECOSSE Subsea Systems

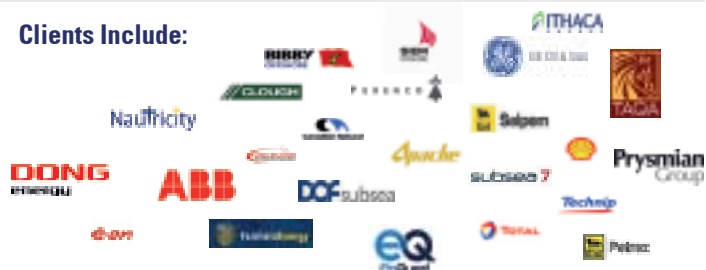
Established in 1996, Ecosse Subsea Systems is known as an innovative provider of both products and services for all offshore installation requirements and has earned a global reputation for outstanding service delivery.

Ecosse are an industry frontrunner in the delivery of trenching, subsea lifting and technology development services and expertise; and our personnel oversee offshore construction and diving work for our Client's

Products and services include:

- ⊗ Trenching
- ⊗ Personnel
- ⊗ Engineering Consultancy
- ⊗ Pipeline Engineering
- ⊗ Ambient Lifting
- ⊗ Equipment Hire

### Clients Include:



**ECOSSE**  
Subsea Systems

“...because we think differently”

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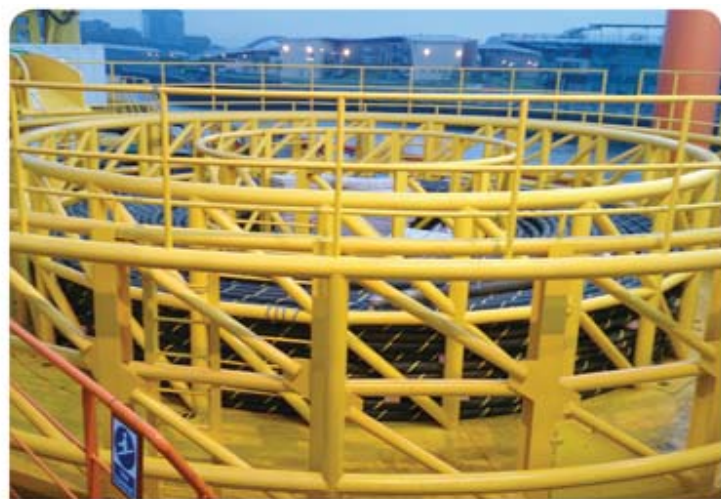


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## ECOSSE Subsea Systems Equipment Hire

[www.ecosse-subsea.com](http://www.ecosse-subsea.com)



## Carousel

The carousel can be used to install everything from inter array power cables through to export cables, rigid and flexible pipelines and umbilical's.

### Specification:

- ⊗ Capacity 800Te (although can be modified up to 2000Te)
- ⊗ Diameter 14m outer basket
- ⊗ 10.5m inner bullring (removable)
- ⊗ 5.2m inner core



## Equipment Hire Carousel, Tensioners, Plough and Plastic Reeled Elastic Pipelay System (PREP)

Ecosse Subsea Systems can offer a wide range of equipment for hire for the support and delivery of numerous subsea installation projects.

### Tensioners

- ⊗ 2x10Te hydraulic tensioners capable of being operated singularly or in series for 20Te line pull
- ⊗ Tensioners can be used in either direction, you can pull up to 20Te but only in one direction, only 10Te in the other
- ⊗ Product handling range of 40mm-200mm
- ⊗ Each tensioner is hired with dedicated HPU
- ⊗ Used for pipe and cable lay
- ⊗ Fully backed up by skilled technicians
- ⊗ Engineering layouts available



## SCAR Plough      The Subsea Trenching System

SCAR Plough has been developed to deliver an all-in-one or one-part solution to trenching and pipe/cable lay operations. 95% uptime on projects.

### Boulder Clearance Plough

SCAR in boulder clearance mode can remove boulders and other mobile obstacles from a pre-determined corridor width of 10m in a single pass. Wider corridors (20m+) are possible using multiple passes.

### Pre-cut Trenching Plough

When used in pre-cut trenching mode, SCAR can be deployed to cut trenches of up to 2.8m in two passes. The plough can subsequently be used in its unique in-trench multi-pass mode to reach greater depths if required. Pre-cut trenching presents the lowest possible risk to the product (and project) of any trenching solution.

### Post Lay Plough

SCAR can be modified to handle pre laid products in a post lay configuration. This configuration is suitable for cables, pipelines and umbilicals. In post lay mode, the plough can also be used for remedial trenching, re-burying any exposed pipelines or flexible product that have become exposed by the hydraulic action of undersea currents or other causes.

### Backfill Plough

SCAR in backfill mode can be used to provide variable levels of backfill depending on the requirement of the Client. The backfill plough is typically operated in a single pass, however multiple pass operations can be conducted for wider/deeper trenches. Uniquely, no part of the plough is in the vicinity of the product at any stage during the pass.