PROJECT DATA SHEET

PYRENEES PROJECT

NORTH WEST SHELF, WESTERN AUSTRALIA

Jascon 25 in flexible lay mode

PROJECT OVERVIEW

- **Location** North West Shelf, Western Australia
- **Field waterdepth** 170 – 220 m
- **Contract period** May 2007 to January 2010
- **Overall value** 250 M USD
- **Vessel** Jascon 25

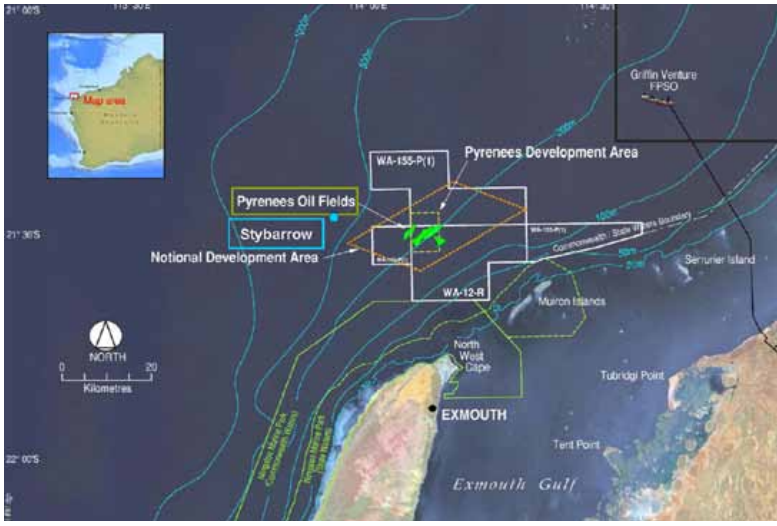
Overall installation scope:
Management, engineering, transportation, installation and pre-commissioning of:

- 9-leg mooring system, complete with detachable submersible turret
- 4 mid-water arches
- 8 riser bases
- 7 subsea manifolds
- 55 km flexible pipe
- 24 km control umbilical
- 28 flexible jumpers
- 87 flying leads
- Transport of total 55 reels

Supply of:

- 4 mid-water arches (largest single unit 625 mt)
- 8 riser bases
- 55 km flexible pipe (4" to 12" diameter)
- 28 flexible jumpers
- All risers are 520 m in length
- Risers range in size from 4" through to 10"
- Manifolds range from 40 mt to 160 mt hook weight
- Mid-water arches approximately 730 mt hook weight
- Field water depth varies from 170 m to 220 m
- All lines were installed using a horizontal lay system
- Service provided complete EPIC contract

Pyrenees field location



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PROJECT INFORMATION

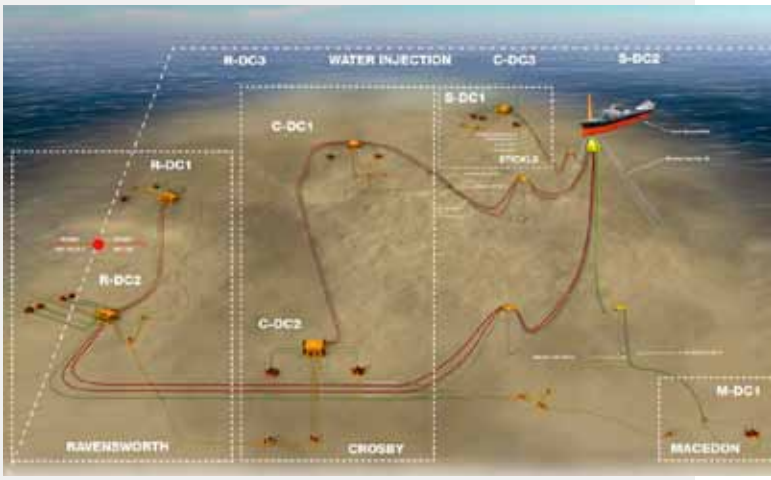
Contracts for this project were awarded to **Seastream JV** (the joint venture between the Sea Trucks Group and Wellstream International) for subsea installation services, and to Wellstream for supply of approximately 55 km of flexible risers and flowlines. The total value of the contracts was over US$ 250 million.

Seastream JV opened a new project office in Perth, Australia to accommodate the 40-person strong project team and provide in-country management capability. Project Management and Engineering totalled approx. 160,000 man hours over the project duration, while the installation campaign totalled over 200 vessel days, including 3 mode changes between mooring, structures and flexible/umbilical installation campaigns. The engineering achievements included the design and fabrication of the purpose built flexible lay system for the project.

During the offshore phase of the project Seastream JV installed and pre-commissioned the FPSO turret and mooring system, subsea manifolds, mid-water arches, flowlines and risers and umbilicals. Cameron diverless connections were used to tie-in the flexibles to the manifolds and trees.

The contract was secured against strong competition. Seastream JV was successful because of the ability to offer a fully integrated supply and installation service, which combined the product, quality and delivery experience of Wellstream with the technical capability and flexibility of Sea Trucks' Jascon 25, a unique combination.

During the execution of the project, technical changes meant significant increases in the size and weights of some equipment, which the project team and the installation vessel were able to accommodate. MWA Installation hook loads were up to 710 mt, and flexible lay continued in Hs of over 4.0 m. The capability of the Jascon 25 combined with the fully integrated product design resulted in the successful completion of the offshore campaign.



The Pyrenees project encompassed the development of three separate oil reservoirs – Ravensworth, Crosby and Stickle, all tied back to an FPSO.

The fields are located approx. 40 km north of the Exmouth peninsula, Western Australia in water depths up to 220 m.

Umbilical lay

Mid-water arch installation