



### Background

Moffat2000 design and manufacture subsea pipeline products and skid mounted assemblies for the oil and gas industry.

Moffat's products and services are supplied to the global subsea industry and these include numerous deepwater developments in Brazil, Australia, Gulf of Mexico and the West Coast of Africa, covering various products, for example:

- Pig Launchers and Receivers
- Choke and Kill Manifolds
- Pull in Heads
- SSIV Skids
- Flood and Vent Valve Assemblies
- Subsea Control Panels

### Project Objectives

Narec's subsea testing facilities and controlled dockside environment was used by Moffat2000 to determine the actual flow rate characteristic for the Moffat2000™ Subsea Stab Connector.

The test was undertaken as part of Moffat's ongoing research and development (R&D) activity.

### Project Outcome

Previous predictions of pressure differentials versus flow curves had been established using theoretical calculations and computational fluid mechanics.

Performance and reliability is of critical importance to the modern subsea and offshore market. As such, it has become increasingly important due to the critical nature of the devices to demonstrate that these theoretical calculations accurately reflect the real-world results/environment.

The results of the tests carried out at Narec's facilities in Blyth, Northumberland are now given to all Moffat2000 clients as standard practice.

John Thompson, Director, Moffat2000 said: "Maintaining high professional standards through innovation and R&D is extremely important to us; Narec's independent subsea testing facility has enabled us to verify and prove the Moffat2000™ Subsea Stab Connector in a controlled environment."