

Water Injection Manifold

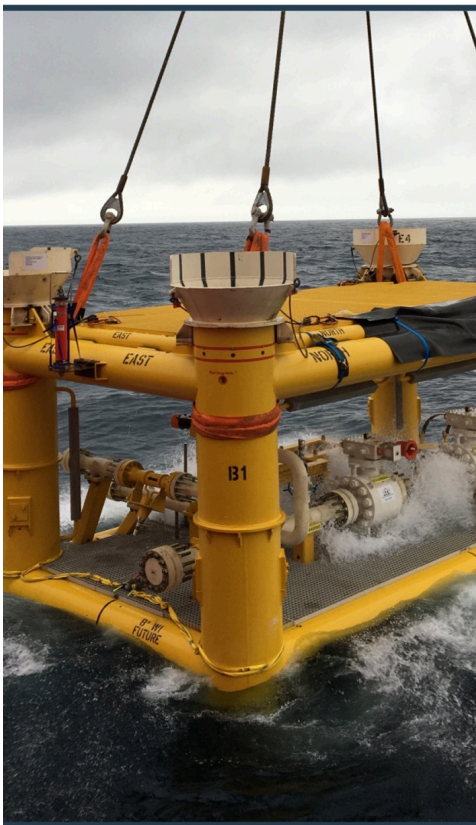
Objectives

Aurora successfully delivered the fabrication, testing, and delivery of the Water Injection Manifold for a north sea operator's field development. The scope included precision fabrication, NDT, coatings, and handling of heavy subsea structures, with full compliance to client drawings and offshore industry standards. The manifold was completed on schedule, transported safely, and delivered with zero incidents or quality issues. Our objective was to fabricate and deliver a subsea water injection manifold to support enhanced oil recovery operations at the Shaw field, ensuring the structure met stringent quality, safety, and schedule requirements.

Our Solution

Aurora deployed a turnkey subsea fabrication and logistics solution:

- Fabrication & Testing – Precision fabrication of the manifold to client's specifications, including NDT inspection, hydro-testing, and protective coatings.
- Heavy Lift & Handling – Managed lifting, load-out, and transport of the large and heavy structure with specialist contract lift planning.
- Compliance & Delivery – Delivered to contractual schedule with full QA/QC documentation, ensuring offshore readiness



At a Glance

Challenges

The project required:

- Handling and transporting large, heavy subsea structures.
- Ensuring quality and safety standards were maintained throughout fabrication and testing.
- Coordinating logistics for safe and efficient delivery to support offshore installation.

Value to client

Aurora created significant value by:

- On-Time Delivery – Project delivered on schedule, ensuring no disruption to offshore installation timelines.
- Zero Incidents & Zero Rework – Fabrication completed without safety events or quality non-conformances.
- Enhanced Offshore Readiness – Fully tested and certified manifold delivered, reducing offshore risks and enabling efficient installation.
- Trusted Delivery Partner – Aurora's ability to manage fabrication, QA/QC, lifting, and logistics within one package reduced client risk and administration.