

**THE PROJECT:**

# Hard Facing of Impellor for Waste Injection Operations

**OVERVIEW**

**Client:** Supplier of Drilling Fluid Systems and Additives for Downhole Operations

**Scope:** Fabrication and Delivery of Waste Injection Mission Pump Impellors

**STAGE 1**

Preparation of impeller

**STAGE 2**

First layer of hard facing

**STAGE 3**

Second layer of hard facing

**STAGE 4**

Final stage of hard facing

**THE PROJECT**

With its experienced and highly skilful team of welder and fabricators offering professional and fit for purpose solutions, Spiral Services was commissioned to supply fabrication support to one of the leading providers of drilling fluid systems and additives for downhole operations within the energy industry. The scope of work included fabrication of hard-facing mission pump impellers for use on the drill cuttings waste injection equipment.

Hard faced impellers are a critical part of the waste injection process and are key to the successful operations, assisting in the degradation of drilling wastes during the slurrification process, making the slurry ready for formation injection. This process of hard facing, provided by Spiral Services, enables extended wearability and life of the units while working under harsh and abrasive conditions.

Whilst assuring that the accurate complex procedures have been followed, the project was delivered on time and within the budget, meeting client's requirements and expectations.