



## Case Study

# Efficiency through SAW processes

### Achieving benchmark welding automation in NRDP jacket fabrication

## Location - Hazira

### The Process

To decrease process and project cycle time and maximize cost savings, SAW processes were included as a part of project operations. The SAW processes helped in increasing automation by 25% as compared to past projects

and helped in saving 1.75 crore during jacket fabrication of the NRD Project. An automation of 75% was envisioned in NRDP jacket fabrication.

### The Benefits

1. Increase in automation by 25% as compared to the previous, conventional processes.
2. Total cost savings of 1.75 crore were incurred due to this transformation.

#### The Highlights

1. SAW and FCAW-GS processes were integrated in the Skirt Sleeve of the Jacket.
2. Measures put in place included
  - FCAW-GS welding of the internal ring stiffeners of the jacket main leg joint.
  - Improvement in internal shear key of skirt sleeve.
  - Inclusion of submerged arc process in welding for Yoke Plates as well as the ring of skirt sleeve assembly.