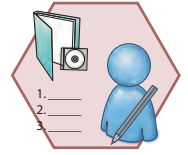




Case Study



Technical Publications

Attric is the leading UK consulting and services company specialising in the development, management and delivery of technical information, procedural documentation, asset / maintenance management and engineering support services.

- Client (EPC):** Production Services Network (PSN)
- Client (End User):** Cairn Energy India Ltd (CEIL)
- Project:** Develop Operating Manuals for oil, gas and water wells, production and pipelines in the Rajasthan, Radhanpur and Viramgam Development Areas in North Western India
- Facilities Covered:**
 - Upstream**
 - Start-Up and Production Package (early production train)
 - Mangala Operations Base and Oil Processing Terminal
 - Mangala Oil Wells and Systems
 - Raageshwari Gas Processing Terminal
 - Raageshwari Gas Wells and Systems
 - Thumbli Water Wells and Systems
 - Midstream**
 - Radhanpur Oil Terminal
 - Viramgam Intermediate Oil Terminal
 - Rajasthan to Gujarat Pipeline
 - Pipeline Above Ground Installations
 - Pipeline Skin Effect Heat Management Systems
- Scope:** To develop Operating Manuals comprising:
 - Checklisted procedures for first start, full production & shutdown
 - Facility, system/equipment and process and control descriptions



All work was carried out by our Technical Authoring Team based at our UK Head Office with remote access to PSN/CEIL IT systems and EDMS.

Data:

Upstream	104 Operating Procedure Manuals developed and approved
Midstream	55 Operating Procedure Manuals developed and approved
Duration	10 months (2009 – 2010)

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