



ENGINEERING
SERVICES



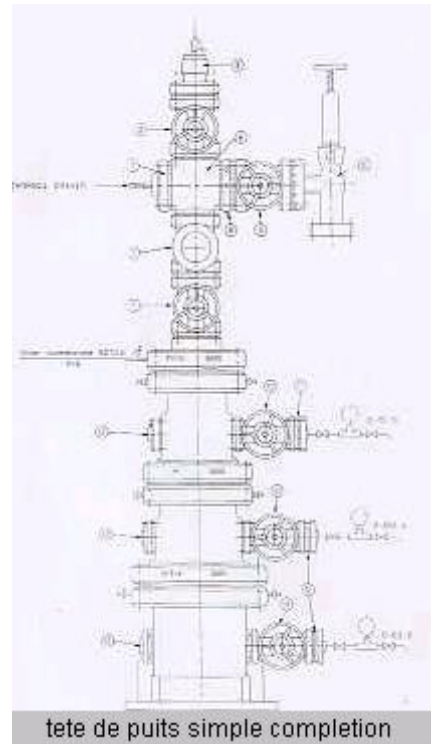
ACTIVITIES

INSTRUMENTATION STUDIES



Service Description:

- ✓ Instruments specification
- ✓ Instruments datasheet
- ✓ Instruments list
- ✓ Control loops diagrams
- ✓ Detailed specification
- ✓ Standard installation diagrams
- ✓ Instrument layout
- ✓ Wiring diagrams
- ✓ I/O assignment
- ✓ Control room layout drawings
- ✓ Main cables routes drawings
- ✓ Interconnecting diagrams





ACTIVITIES

INSTRUMENTATION STUDIES



References:

- ✓ TOTAL E&P Gabon – Local Engineering Contract for Instrumentation studies,
- ✓ Installation & configuration of Gas Detectors for TOTAL E&P Angola: PAC F2, PAC F4, PAL F2 and IPS F1 Offshore Platforms,
- ✓ Extension of containerboard PM1 and speed increase from 400 to 600m/min (Europa&C – Spain)
- ✓ Extension of UWF paper production line, 20 days shutdown (UPM KYMMENE – France)
- ✓ Modification of the paper machine n°3 for Plasterboard liner production (St Regis Paper Company – United Kingdom)
- ✓ Modification of the paper machine n°5 for Plasterboard liner production (St Regis Paper Company – United Kingdom)
- ✓ New production line for newsprint, capacity 300 000t/y based on recycled fibre (Holmen Paper Madrid, Spain)
- ✓ New De-inking line for graphic paper (Matussière & Forest – France)
- ✓ New complete tissue mill – PM8 project (Lucart – France)
- ✓ Rebuilding of PM5 press section (Europa&C – France)
- ✓ New production line for containerboard, project SAICA 3 (Saica – Spain)
- ✓ New steam generation plant, coal boilers project (RKTk – Ukraine)
- ✓ New district heating plant – Biomass project (Cofely – France)
- ✓ New energy recovery plant (Soffimat – Libanon)
- ✓ New district heating plant, Biomass project (Coriance – France)
- ✓ New electrical power generation plant 38MW (Caraibes Energie – La Guadeloupe)
- ✓ New condensing steam turbine, Biomass project (Tembec – France)
- ✓ New Biomass boiler and electricity generation, Biomass project (Tembec – France)