



Commissioning and Start-up Services



Mechanical Completion

PJ personnel have managed the mechanical completion verification process as part of the handover of projects into Pre-commissioning and then Commissioning phases on our past projects. Work includes the completion dossiers and the final documentation (including as-builts) required for operations and development of the pipeline asset integrity systems.

Pre-Commissioning

The Pre-commissioning phase is where the final inspection and testing is carried out to confirm readiness for Commissioning. Work includes equipment alignment, loop checks, logic sequences, calibration, energization, motor no-load runs, etc. PJ has worked with the equipment vendors and contractors along with the lessons learned from our own technicians to establish the PJ in-house pre-commissioning manual and procedures required to verify and fully document the status of the pipeline installations.

Commissioning/Start-Up

Commissioning confirms the functionality of the system and part-systems interfaces to a state of overall system readiness for normal operations. Work includes pressurized or energized checks, dynamic simulations, introduction of water / slurry, shutdown/restarts and performance test trials prior to handover for commercial operations. PJ has established an in-house Commissioning manual and procedures to fully document the status of the pipeline installations for handover to Operations.

Services

- Development of Overall Completions Planning
- Construction to Completions HS Plans
- Development and implementation of Mechanical Completion, Pre-commissioning and Commissioning/ Start-up plans and procedures
- Structure and assembly of completions dossiers
- Lock-out/Tag-out procedures
- Permit to work procedures
- Vendor coordination
- Spare part philosophy
- Performance test trials
- Structure and assembly of final documentation including As-Builts
- Troubleshooting
- Completions progress tracking throughout all phases for all systems and part-systems
- Operations interface coordination
- Operational readiness
- Emergency response procedures
- Regulatory assistance
- Training