

# COMMISSIONING & START-UP



QUICK, EFFICIENT, AND SMOOTH TRANSITIONS FROM CONSTRUCTION TO OPERATION.

A complete managed program to ensure a safely commissioned and tested plant that meets all expectations for design parameters and specifications, reliability, and maintainability. PIC Group's proven project management methodology, tailored specifically for the challenges of commissioning and startup, eliminates duplication of effort, minimizes costs, and meets commercial timelines.

- » **Effective risk management and reduction**
- » **On time delivery**
- » **Minimized impact of startup on project economics**
- » Safe, efficient startup of equipment ensuring project specification and regulatory compliance
- » Achievement of operational goals
- » Quality delivered through a proven and documented turnover process
- » Project expectations met through specific tailor-made commissioning & startup plans

Complete turnkey solutions as well as individually selected services to create custom service packages that meet project objectives across a wide range of industries. A proven project management methodology that ensures a safely commissioned and tested plant that transitions quickly, efficiently, and smoothly from construction to operation.

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|--|--------------------------------|
| » Proven program methodology                 | » Extensive technical library  |
| » Proven project controls and management     | » Electronic turnover packages |
| » In-house technical and documentation teams | » Flexible contract terms      |

All necessary tools, equipment, and personnel for a project as well as scaling options for the right level of support.

## MANAGED SUPPORT SERVICES

PIC Group's Managed Support Services ensures quick, efficient, and smooth transitions from construction to operation. PIC Group works under a managed program to ensure a safely commissioned and tested plant that meets all expectations for performance, reliability, and maintainability.

A range of services and program deliverables to include:

- » Project Technical Library
- » Startup & Commissioning / Quality Program
- » Project Technical Library
- » Scoped Drawings
- » Turnover Packages
- » Commissioning Procedure
- » Component Test Standards
- » Integrated System Test Standards
- » OEM Manual
- » Integrated Operations Manual (Ops Manual)
- » O&M Manual
- » Training of Personnel
- » Computerized Maintenance Management System (CMMS) Implementation



## PROJECT SUPPORT SERVICES

When you'll handle some of the work yourself, rely on PIC Group to provide the individuals with the technical experience to achieve or maintain operational readiness and ensure your success.

Expertise that includes:

- » Construction Managers
- » Startup Managers
- » TAs for specific OEM equipment
- » Control Room and Auxiliary Operators
- » Strike Contingency Support Teams
- » QA/QC Managers
- » Turnover Coordinators
- » EH&S Managers

PIC Group's Employee Care Department manages the process of their employees arriving to your site, helping any screening, or training requirements, help in finding housing, or other needs to ensure their productivity from outset. PIC Group maintains this level of care throughout the employees' time on site.

Applying experienced, highly skilled commissioning & start-up professionals, proven processes, and methodologies as well as site-specific detailed commissioning plans, PIC Group has successfully completed more than 60 projects, over 30-years.

- » International: 16 projects
- » Domestic: More than 44 projects