

Integrated turnaround services

Reduce operational risk with expert solutions and cost management

For refiners and petrochemical plant operators, the risk and high cost of asset failure demands competent turnaround service solutions that are specifically designed for your assets' needs. To achieve this you need to integrate the right know-how, the right technologies, and the right people. When you have all three, your project can safely proceed as planned, your assets can perform as designed, and your risk of failure can be lowered.

Baker Hughes' turnaround service solutions can offer all of this, enabling you to effectively achieve your maintenance and operational goals. Your turnaround project is carefully planned by a focused, efficient team of experts and certified project managers who are familiar with and understand the complexity of turnaround processes. This single-point contract administration allows your operations to seamlessly transition from maintenance to production in less time.

The precisely planned turnaround project schedule includes both Baker Hughes and third-party suppliers to help confirm uptime is maximized and your project costs stay within budget. Onsite project headcount is minimized via multi-disciplined personnel and

cross-utilization of specialty equipment reduces mobilization cost and optimizes planning. When unforeseen events occur, such as shutdowns and unplanned maintenance, our project team collaborates with all project suppliers to confirm the response is safe, quick, and accurate to control costs and keep your turnaround project on schedule.

Our turnaround solutions incorporate innovative chemical and mechanical technologies with engineered services, such as industrial nitrogen, air analysis, and expert chemical cleaning services. This dual approach confirms your systems will be efficiently clean, dry, inert, and leakfree in accordance with industry design codes and project specifications, and your required outage days can be reduced to enable more cost savings.

At the heart of our turnaround solutions are our service experts who live by a stringent safety culture, with unyielding attention to environmental compliance to meet your goals. This highly skilled and competent workforce is trained to a rigorous industry standard. Each employee is regularly tested and assessed to confirm we deliver only the best services and performance for your operations.

Applications

- Refineries
- Petrochemical plants

Features and benefits

- Integrated services
 - Reduce operational and HSE risk
 - Improve communication and efficiencies with single-point contract administration
 - Minimize headcount
- Improve cross-utilization of specialty equipment
- Reduce mobilization cost
- Optimize schedules
- Innovative technologies and solutions
 - Confirm your systems are clean, dry, inert, and leak-free in accordance with industry design codes and project specifications

Typical industry turnaround services involve multiple suppliers performing all of the required activities, with no synergies between their individual work crews and work scopes, and numerous uncoordinated mobilization and demobilization windows.

Baker Hughes integrates all of these turnaround activities under a single project management team to achieve the most efficient result.

Baker Hughes' turnaround service solutions			
	Plant rundown/ de-inventory services	Mechanical maintenance	Start-up services
Nitrogen services			
Nitrogen purging	R, P		
Nitrogen drying			R, P
Accelerated cooling	R, P		
Nitrogen inerting			R, P
Air services			
Air drying			P
Vacuum drying			P
Chemical cleaning			
Decontamination and degassing	R, P		
Organic chemical cleaning	R, P		R, P
Inorganic chemical cleaning	R, P		R, P
Tank cleaning	R, P		R, P
Hydraulic and lube oil flushing			
Hydraulic and lube oil flushing			R, P
Specialty services			
Helium leak detection			R, P

R = Refinery

P = Petrochemical plant

Contact Baker Hughes today to learn how our turnaround services can help you reduce your process plant's operational risk.

