



ENGINEERING, PROCUREMENT & CONSTRUCTION

Engineering and constructing better oil and gas facilities



EPC Reduces Project Costs, Streamlines Completion

Heavy industrial construction projects are complex. Whether the goal is to upgrade equipment, expand production or comply with government regulations, oil, gas and chemical companies face the challenge of completing this highly specialized work quickly and cost-effectively, with as little disruption to ongoing operations as possible.

Brinderson understands the many challenges that must be overcome to take these projects from concept through completion and startup. Our decades of experience in delivering integrated engineering, procurement and construction (EPC) services enables us to take responsibility for every step of the journey. We have the full range of in-house talent needed to take on the toughest projects, including those that are fast-tracked and technically or logistically complex.

BRINDERSON[®]
an AEGION[®] company

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An Integrated Approach

Under an EPC approach, Brinderson is typically contracted to complete an assignment within an agreed schedule and budget. Not only does this approach provide owners with a single point of contact, it reduces engineering and construction costs, time-to-market and total cost of ownership.

Because schedules are often compressed, our engineers often begin working with suppliers of equipment and materials early in the project. As a value-driven company, we have developed a unique, construction-focused approach that reduces the number of necessary drawings and builds project constructability, operability and maintainability into the initial design. Our process also enables us to develop capital cost estimates quickly and efficiently using our in-house resources.

A Focus on Quality and Safety

With final design still underway, we often begin the process of procuring the equipment and materials needed for our construction team to deliver a functioning facility. Brinderson's highly trained professionals rely on proven processes and best practices to deliver engineering and construction excellence on every project we undertake. We have the full range of in-house capabilities to deliver finished facilities that meet the highest quality standards, and with a safety record that consistently surpasses industry standards.



Brinderson Specializes in Energy Projects

At Brinderson, our engineers work almost exclusively on energy-related projects. Brinderson's more than 2,500 employees include more than 200 engineering and program management professionals experienced in upstream oil and gas production, gas processing, oil refining, terminals and pipelines and chemical production.

Our construction staff includes project managers, superintendents, supervisors and craftsmen who self-perform major construction activities, including:

- Civil
- Structural steel
- Mechanical
- Welding
- Piping
- Electrical
- Instrumentation
- Millwrights
- Heavy rigging/equipment setting

As client needs or special circumstances dictate, we can also subcontract portions of an assignment to third-parties. In some cases, we partner with engineering contractors to manage large construction programs.

Maintenance and Turnaround Services

Following startup of an EPC project, we can apply our in-depth knowledge of the facility's design and construction to provide maintenance and turnaround services. The majority of our employees, in fact, work full-time at major oil refineries, oil production facilities and other sites, performing everything from the repair of mission-critical refinery systems and equipment, to project management of planned shutdown maintenance and replacement activities.

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