



## Design/Build

In a time when the pace of construction has increased significantly and clients need to gain a quicker return on investments, the construction-led Design/Build approach has gained widespread acceptance over the traditional engineering-first approach. It allows for a more economical design and a faster project turnaround from concept to completion.

ITAC has embraced this approach, separating itself from other companies in its market. By providing its clients with a single-source solution of Engineering, Procurement, and Construction (EPC) services, they dramatically decrease the need for client resources. In addition, ITAC has full-service design capabilities and performs a large portion of the construction itself. This in-house capability creates a synergy between engineering and construction, which ultimately produces a value-added end product for the client. Furthermore, the shortened project duration afforded through this process means reduced overall project costs and a faster return on investment for the client.

ITAC utilizes this Design/Build approach in several industries, including, but not limited to: chemical, tobacco processing, power, aluminum casting, pharmaceutical, pulp and paper, emerging industries, biofuel, ethanol, biodiesel, and wood pellets.

### ENGINEERING EXPERTISE

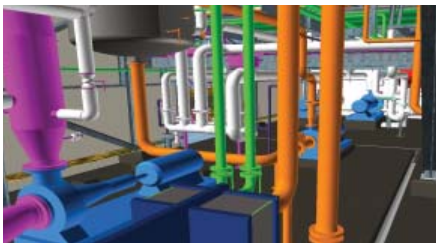
- Field Work
- Code Analysis
- Design/Drawings
- HAZOP/PSM
- Programming
- Construction Specs
- As-Built Drawings

### PROCUREMENT EXPERTISE

- Equipment Specifications
- Competitive Bidding
- Bid Analysis/Negotiation
- Expediting
- Receiving/Inspection
- Training
- Maintenance/Spare Parts
- As-Built Drawings

### CONSTRUCTION EXPERTISE

- Safety
- Quality Control
- Schedule
- Cost Control
- Startup Support
- Construction Management
- Commissioning



### DESIGN/BUILD PROJECTS

- Arc Flash
- Emulsifier Process
- Surfactant Process
- Distributive Controls
- Nitrogen Blanketing
- Continuous Emissions Monitoring
- NOX Emissions Abatement
- Wind Tunnel Variable Speed Drive
- Truck/Railcar Unloading