

Align Your Automation Plan to Your Business Objectives

The first step to a successful project is pre-project planning through a FEED study. With our industry expertise and proven perceptive technology, NECI aligns your project and business objectives while creating a detailed project foundation to deliver your expected return on investment.

Maximize project success with NECI's FEED capabilities

	Faster Implementation	20% lower costs
	Identified and minimized project risk	39% schedule reduction
	Greater user involvement and management support	15% utilization/capacity increase <i>*compared to those who spend less effort on pre-project planning</i>
	Better project performance	

Our Proven FEED Work Process



NECI's FEED work process is built upon the recommended best practices from industry authorities Construction Industry Institute, Project Management Institute (PMI), and Independent Project Analysis (IPA) methodologies, and more.

Whether it's a large, complex greenfield project or just adding a few upgrades, NECI offers a turnkey solution that includes front end engineering design, equipment selection, commissioning services, and implementation and operational capabilities.

Gain the strategic information you need to assess risk and calculate resource commitment to maximize the chance for project success. NECI's FEED study defines the scope of work for your project, meeting both your expectations and the project requirements in terms of factors such as budget, time, quality, and safety.

Project Scope Deliverables

- ✓ Master project schedule
- ✓ Project Execution Plan
- ✓ Budget plan
- ✓ Alternative analysis report
- ✓ Functional design specifications
- ✓ Engineering drawings approved for design
- ✓ Required bill of materials
- ✓ Required resource allocation plan
- ✓ Required economic justification
- ✓ ROI calculation




Your ONE Simple and Consistent Solution for Your FEED Requirements


Count on our wide range of industry and technology expertise to identify project risks early in the project and ensure plans are in place to mitigate those challenges. NECI's capabilities and experience are especially valuable when time is at a premium. Count on a well defined project scope that will lower the cost of your project allowing for faster implementation and quicker start-up—thus realizing profitability sooner. From full main automation contractor (MAC) scope, to main instrument vendor (MIV), to supply of the automation system and configuration services, NECI can help.

Plan for success with NECI


Contact us today to retain this service. Prior to order acceptance, we will issue a written proposal for your review and approval to ensure that scope, deliverables, timing, and budget meet your needs and expectations.

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Project Management Plan

- Project managers with the training and experience to deliver consistent results
- Global best practices with an organized, structured approach
- Budgeting, schedule control, procurement, quality and requirements management

Process Automation Engineering Design

- Automation contractor experience on small to very large projects
- DCS design, configuration, migration and connectivity to legacy systems
- Engineer control buildings, modular process skids and analyzer housings
- Design and implementation of embedded advanced control functionality

Instrumentation and Electrical Design

- Smart field instrumentation installation, commissioning and start-up
- Supplemental electrical engineering related to automation projects
- Supplemental mechanical and structural engineering related to automation projects
- Supplemental design, construction, and commissioning of piping related to automation projects

Safety Instrument System Engineering Design

- IEC 61511 certified FEED work processes for safety systems
- IEC 61511 certified engineering, installation, and commissioning of safety instrumented systems

Power Engineering

- Complete power system engineering from the utility source to the process equipment
- Design of emergency/backup power systems for critical equipment
- Arc flash hazard assessments to complement your facility's safe work practices

Process Engineering

- Process knowledge and experience to meet performance and reliability objectives
- Process definition and analysis
- Process descriptions and flow diagrams
- P&ID development