

Prepare cost and schedule estimates with a high degree of confidence with an on-demand, project scope definition process.

**On-demand Service**

Coreworx FEED is an on-demand project execution service with a 99.5% uptime guarantee. This gives you reliability, while eliminating the time needed for corporate IT to procure hardware and software, before your project has reached authorization for expenditure.

Improve your engineering team’s efficiency and add rigor to existing work processes to positively effect overall project performance. Industry research shows that projects with more intensive front end planning effort performed over 10% better in terms of cost, 7% better in schedule performance and 5% better in change orders. For major capital projects over \$1 billion in total installed cost, a 10% improvement in cost performance, directly attributable to an intensive front end planning effort, presents \$100 million in potential savings.

Team Work Item Summary				
Name	Overdue	Next 2 Days	Critical Path	Active
<input checked="" type="checkbox"/> Ernie Everest	2	6		8
Assign Task	1	2		3
Design Review and Approval	1	4		5
<input checked="" type="checkbox"/> Ralph Davis	1	1		2
<input checked="" type="checkbox"/> Jordan Richards		2		
<input checked="" type="checkbox"/> Rick Rogers	3	6	1	
<input checked="" type="checkbox"/> Charlie Stone		3	1	
<input checked="" type="checkbox"/> Sandra White		1	2	

Project Scorecard		
Scope	SPI	
Site Information	1.20	G
Process/ Mechanical	0.75	R
Equipment Scope	0.84	Y
Civil, Structural & Architectural	1.10	G
Infrastructure	0.95	Y
Instrument & Electrical	1.05	G

Shaped by project execution tools used on over 500 major capital projects world-wide, Coreworx FEED is an on-demand solution addressing the specific needs of owners conducting front-end planning oversight. With Coreworx FEED, measurable improvement in overall project cost, schedule and change orders can be realized. Our proven project execution tools improve team efficiency, increase cost and schedule confidence and are a key component to those focused on continuous improvement.

“Front end planning is arguably the single most important process in the facility project life cycle.”

Front End Planning? Break the Rules, Pay the Price - CII Nov. 2006

## The Process

The main deliverable of FEED is a sufficient level of design for procurement to prepare cost and schedule estimates for submission of the project AFE (authorization for expenditure). If project funding is approved, the design deliverables of FEED become the primary inputs into the next phase in the project lifecycle, detailed design.

The greatest opportunities exist for project cost and time savings during FEED. Inconsistencies in project deliverables leads to an inefficient use of capital, poor return on investment (ROI), and increased project risk. Coreworx FEED provides a high degree of confidence in the quality of design turned over to procurement while providing the ability to confidently make decisions based on progress measurement data. The early adoption of a rigorous document control process in FEED sets a high quality expectation on the asset integrity information for the balance of the project.

## Application Components

The FEED Solution is comprised of several project execution tools. Your project team has the flexibility of adopting one or more of these application components during FEED.

**Templates for Engineering and Commercial Correspondance** Pre-configured document templates are based on ASME standards. Project teams can immediately adopt a proven procedure for project-based document control, without any IT resources.

**Design Review & Approval** Engineering teams can complete design reviews with increased efficiency and rigor in tracking the closure of comments made regarding nonconforming items.

**Transmittals** Automation of standard Document Controllers activities increases efficiency and traceability in the controlled electronic exchange of information between you and your contractors.

**Engineering Deliverables Management** Monitor and control the quality and progress of engineering deliverables ensuring Engineering Managers can make informed decisions with confidence in their progress data. Project Managers benefit from Earned Value based on milestones tracked at the document deliverable level, with roll up to the work package and scope of work.

## Benefits:

- Help your engineers perform design reviews more efficiently
- Add rigor to key work processes, with minimal change to your existing process flow
- Leverage real-time progress monitoring of engineering deliverables to better prioritize remaining work
- Improve project performance during FEED without the expense or lead time of initiating a project with your corporate IT department.
- Track commercial correspondance with your EPC with auditable processes
- Ensure a high degree of confidence in the quality of design turned over to procurement to prepare the project's AFE (Authorization for Expenditure )