STREAMLINE CONSTRUCTION AND INTEGRATE ENGINEERING TO IMPROVE CAPEX EFFICIENCY

A major construction project involves thousands of workers, millions of details, and numerous complex variables, such as labor, materials, weather, and schedules. How can you manage billions of bits of data every day to complete the project on time and budget?

The challenge for the construction industry is determining how to make informed decisions based on the information available and how to manage people and materials in the ever-changing construction environment.

THE SOLUTION: 3D ENABLED WORKFACE PLANNING

Intergraph® will offer SmartPlant® Construction to meet the specific needs of construction companies, project management offices, fabricators, and owners in managing construction resources, materials, and schedules. SmartPlant Construction will help companies realize significant savings over the life of a construction project.

OPEN API: INTEGRATE WITH YOUR ENGINEERING ENTERPRISE

SmartPlant Construction will promote better planning and management by incorporating the dynamic inputs from engineering, procurement, fabrication, site materials management, and craft labor plans into a solution specifically for construction.

To enhance flexibility and interoperability, SmartPlant Construction will offer full integration with the industry-leading SmartPlant Enterprise suite of products. Take advantage of data interfaces and true integration. The solution will build on the proven SmartPlant Enterprise portfolio by offering a wide variety of functionality provided by SmartPlant Enterprise solutions.

ENTERPRISE SOLUTION

Planned for release in 2009, SmartPlant Construction will benefit the entire engineering, procurement, construction, and operations value chain:

- Owner operators can improve CAPEX efficiency by consistently managing engineering information from concept through operations and maintenance
- Fabricators can provide direct input to facilitate real-world construction plans

ENJOY THE BENEFITS

- Reduce risk and improve transparency of construction
- Save construction time with better planning and tracking
- Improve decision-making capabilities through ad-hoc reporting on construction progress, risks, and change costs
- Take advantage of integration with industry-leading SmartPlant Enterprise as well as an open API
- Improve productivity and reduce training costs with simple user interface

MULTIDISCIPLINARY SOLUTION

SmartPlant Construction can be used in a variety of roles, including:

- Supervisor
- Foreman
- Workface planner
- Construction planner
- Integration coordinator
- Material coordinator
- Resource coordinator
- Quality coordinator
- Safety coordinator
- Financial planner
- Engineer
Constructors can increase profits with improved visibility on project plans, accelerate their ability to re-plan dynamically in response to real-world changes, and take advantage of enhanced integration with engineering, procurement, and fabrication to optimize both engineering and construction decisions.

Engineering firms can optimize engineering decisions based on construction status, and vice versa.

**DYNAMIC WORKFACE PLANNING**

SmartPlant Construction’s intuitive, configurable interfaces will enable workface planners to create effective field installation work packages (FIWP) based on COAA workface planning. Real-time craft and material integration availability reports will provide dynamic replanning capabilities, and a configurable planning window will enable planners to create reasonable alternatives before problems grow.

**BUILDING ON PROVEN TECHNOLOGY**

Intergraph has the industry experience, the technology, and the integration expertise to address the specific needs of construction managers and facilitate smooth work processes with engineering and operations.

**ABOUT INTERGRAPH**

Intergraph Corporation is the leading global provider of spatial information management (SIM) software. Security organizations, businesses, and governments in more than 60 countries rely on the company’s spatial technology and services to make better and faster operational decisions. Intergraph’s customers organize vast amounts of complex data into understandable visual representations, creating intelligent maps, managing assets, building and operating better plants and ships, and protecting critical infrastructure and millions of people around the world.

For more information, visit www.intergraph.com.