Integrated Construction Management

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You can't make money when you are hurting people.

Safety Matters!

Planned work is Safe work.
SP Construction Testimonial - Reliance

View Integrated Composite Models

Integrated Structural and Piping Field Construction Planning

3D Visualization of Construction Sequence

Construction Progressing

Bottom Line

Enables Construction Planners to be much more efficient

Bottom Line
Online / Offline / Auto-sync
Browse all assigned packages
Component list

Reference and record work
• Review related drawings from packages or components
Idea: 360Deg View of Work package

Pipe Spool Assembly P-009
Idea: QR code / 3D Model View
CHANGE MANAGEMENT
PROGRESS MEASUREMENT AND PRODUCTIVITY ANALYSIS
INTEGRATED CONSTRUCTION MANAGEMENT

EcoSys/ Smart Materials
Mobile Warehousing

Seamless Integration
• The only seamless integrated mobile solution for SmartMaterials / SP Construction
• Uses existing hardware

Drive Savings
• Reduce manhours
• Eliminate waste
• Reduce lost material

Key coverage
• Receiving
• Transfer
• Physical Counts
• Issue
• Construction Integration

Modern App
• Android
• Browser usage possible

New release
IHI on Mobile Scan (Barcoding/RFID)

Lets the technology work for you, allowing you to work smarter.
WITHOUT ECOSYS: INFORMATION SILOS & MANUAL PROCESSES

- Departmental Budgets
- Project Budgets
- Project Forecasts
- Design & Engineering
- AFEs /Funding
- Procurement
- Construction
- Finance

PROGRESS & PERFORMANCE
WITH ECOSYS: PROACTIVE PROJECT CONTROLS

- Departmental Budgets
- Project Budgets
- Project Forecasts
- Design & Engineering
- AFEs /Funding
- Procurement
- Construction
- Finance

REAL-TIME VISUALIZATION
PROJECT CONTROLS EFFICIENCY: BEFORE ECOSYS

- Focus on high-value tasks
- Excessive low-value tasks
- 90% low-value tasks
- 10% errors
- 39% efficiency
- 61% errors
INTERGRAPH & ECOSYS: STRATEGIC PROJECT INTELLIGENCE

- Predictive forecasting
- Innovative visualization techniques
- Cost-sensitive practices
- Mobile for efficient collaboration
- Real-time progress assessment
- Industry leader for 5D
- Mining & reuse of historical data
- Engineering, procurement, aligned with project controls
LEVERAGING THE POWER OF INTEGRATION
FACILITATES 5D & INTEGRATED CONSTRUCTION EXECUTION

REAL-TIME AND ON-DEMAND EXCHANGE

CONFIGURABLE

NATIVE WEB APIs

CLEAR

BUSINESS

BENEFITS

FACILITATES 5D & INTEGRATED CONSTRUCTION EXECUTION

YOUR PRIORITIES

BENEFITS

BUSINESS

CLEAR
RESULT OF COLLABORATION WITH CUSTOMERS
WHAT IF?

AN IDEA...
WHAT IF... I COULD SHARE MY FINDINGS VISUALLY WITH THE FIELD?
“I LIKE TO SEE THIS IN 3D.”

“WHAT IF... I COULD VISUALIZE THE PROJECT COMPLETION STATUS AT A GIVEN TIME IN THE FUTURE?”

“I LIKE TO SEE ONLY THE ISSUES.”

“I LIKE TO SEE IT IN THE FUTURE SO I CAN BE PRO-ACTIVE.”
WHAT IF…
I COULD VISUALIZE THE IMPACT OF AN EQUIPMENT DELIVERY DELAY?
WHAT IF... THE SYSTEM COULD AUTOMATICALLY DETECT SOME TYPES OF INSTALLATION SEQUENCE PROBLEMS?
Enhance

Safety, Visibility & Cost

certainty on projects

Across top floor to the shop floor
From design to delivery

AWP based project execution can give up to 25% reduction in labour costs and up to 10 to 15% savings in TIC*

*Source CII/COAA IR 272  AWP, 2013
For your chance to win an Apple iPad mini.

Just drop off your business card at the Intergraph PP&M booth.