Construction Management on the Enterprise Level

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Agenda

- Overview
- User Cases
  - SapuraKencana
  - Vale
- Implementation Considerations
SPC was designed to integrate with SPE
Construction Challenge

Time on tools

- 32% IDLE & WAITING
- 33% DIRECT WORK
- 35% VARIABLE TIME

Break-up of Time of a Typical Construction Day (McTague and Jergeas 2002)
Improve Efficiency

Execute Efficiently
Optimize Dynamically
Track Progress
Document Accurately
Improving Productivity

- Construction Readiness
- Lean Construction Principles
- Workface Planning

“Smart Technology”

.....links intelligent data like 3D models, schedules, materials, drawings...etc to work planning with imbedded rules and principles that focus on value.
Smart Plant Construction Work Package

- Project
- CWA
- Level 3 CWP
- Level 4
- Level 5 FIWP
Work Package Planning
SmartPlant Construction – User cases
Calculate m-hrs Automatically

Generate Material Requests

Fluor System Interface

Houston, Texas
SNC-Lavalin
BHP Billiton Jansen Project
Saskatchewan, Canada

Core Functionality OOTB
Intuitive & Easy to Use
POC to Production
Implementation Considerations
Smart Technology

- Automation
- Visualization
- Look Ahead Schedules
- Manage Change
- Manage Constraints
- Materials availability
- Animation
- Progressing
- Reports
Questions and Answers
Thank You