Changing Minds and Paradigms

A mind is a terrible thing to waste on Paradigms
Insanity is: doing the same thing over and over, expecting different results

• We have always done it this way
• I am good at doing what I do
• If I do what I have always done I know what will happen
• What is wrong with what I do now
• I am trying hard to do a good job
• Change is scary
Why Change?

- Delays: 37%
- Direct: 40%
- Support: 23%
Change needs a Catalyst

Advanced Work Packaging

Information Management

Process and Tools

Bentley

ConstructSim
Change needs a Platform
The Design

Engineering

Document Control

Material Mgt

Project Controls

Workface Planner

Installation Work Packages

Foreman & Crew
The Results

Module 41B Total Hours not progressed: 3104
The Results

Pipe
Total LN FT 6726
Total LN FT Installed 5548
Total LN FT Remaining 1178
82% Complete
LN FT Installed Weekending Feb 06: 548
LN FT Installed Weekending Jan 30: 270
LN FT Installed Weekending Jan 23: 385
AVG DIAM IN INSTALLED: 4.9
AVG DIAM IN NOT INSTALLED: 5.0

Total Spools 589
Total Spools Installed 517
Total Spools Remaining 72
88% Complete
Spools Weekending Feb 06: 48
Spools Weekending Jan 30: 20
Spools Weekending Jan 23: 30

Weekending February 06, 2016
The Results

Total LNFT: 4662
Total Installed: 4370
Total Remaining: 292

130-14 FLARE HEADER
Target System Turnover Date: March 23, 2016

Total Bolt-up: 198
Bolt-up Complete: 190
Bolt-up Remaining: 8

Total Welds: 274
Welds Complete: 226
Welds Remaining: 48

Hydro
130-14-1,
130-14-2,
130-14-5,

Total Supports: 290
Supports Complete: 184
Supports Remaining: 106
Cost Avoidance

Project installed pipe at 2.3 man hours per foot (normally 3 or 3.5) = 25% increase in productivity

TIC = 450 Million
Construction (40%) = 180 Million
Pipe and Steel (40%) = 72 Million
Productivity increase (25%) = 18 Million
Reduction in Scaffold cost 25% - 18% = 7% = 12 Million
= 30 Million
+ the Knock on effect that Steel and Pipe had on E & I
+ 6 weeks of overheads
+ World class (perfect) safety record on 1.7 Million hours
The Results

- Very Happy Customers
- Contractors who have a new business model
- A Success story for the scaffold company
- An Industry model for Information Management
- A success story for Advanced Work Packaging
- All of our Fingers and Toes
Any Questions