

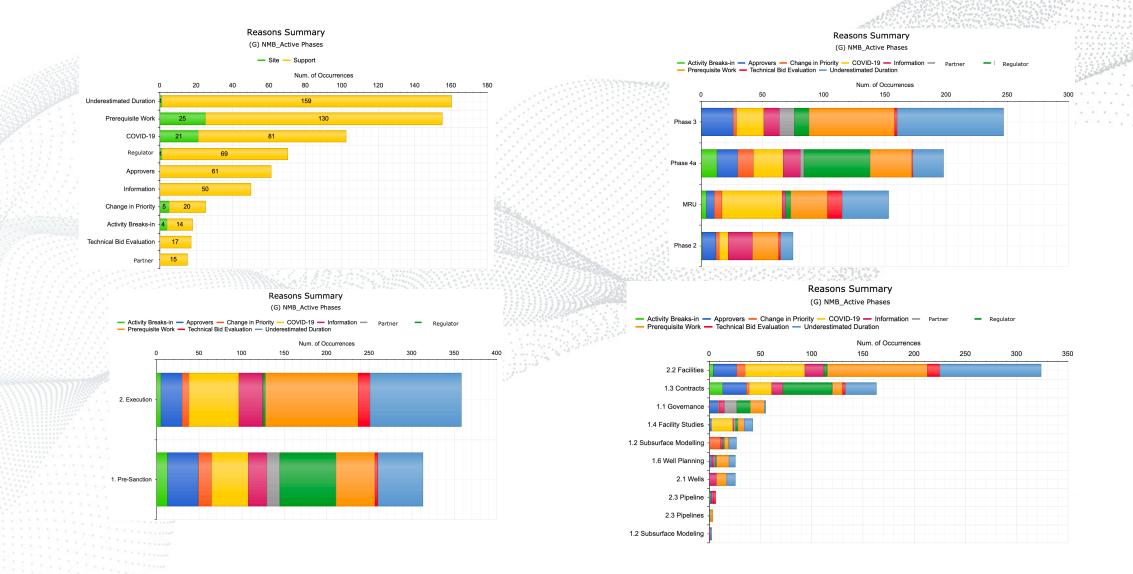
## **PPM** Basics

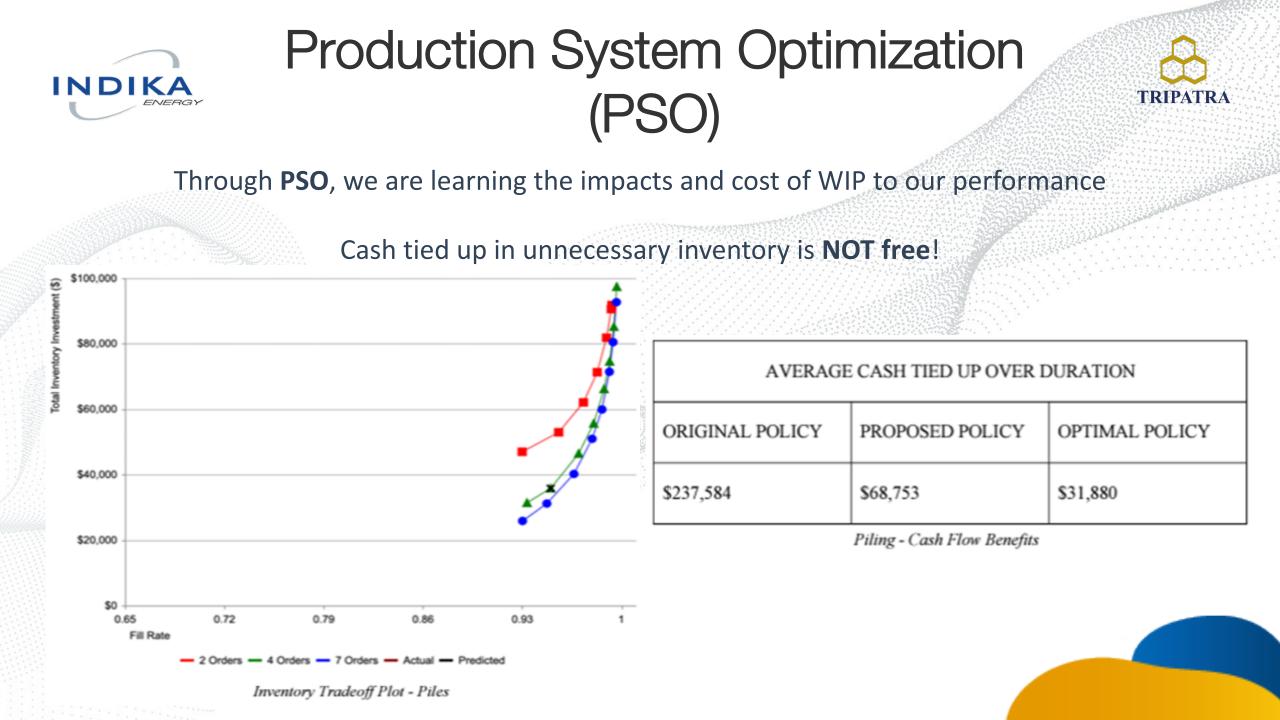
## 7<sup>th</sup> Annual Symposium

## What Does the Data Tell Us ?

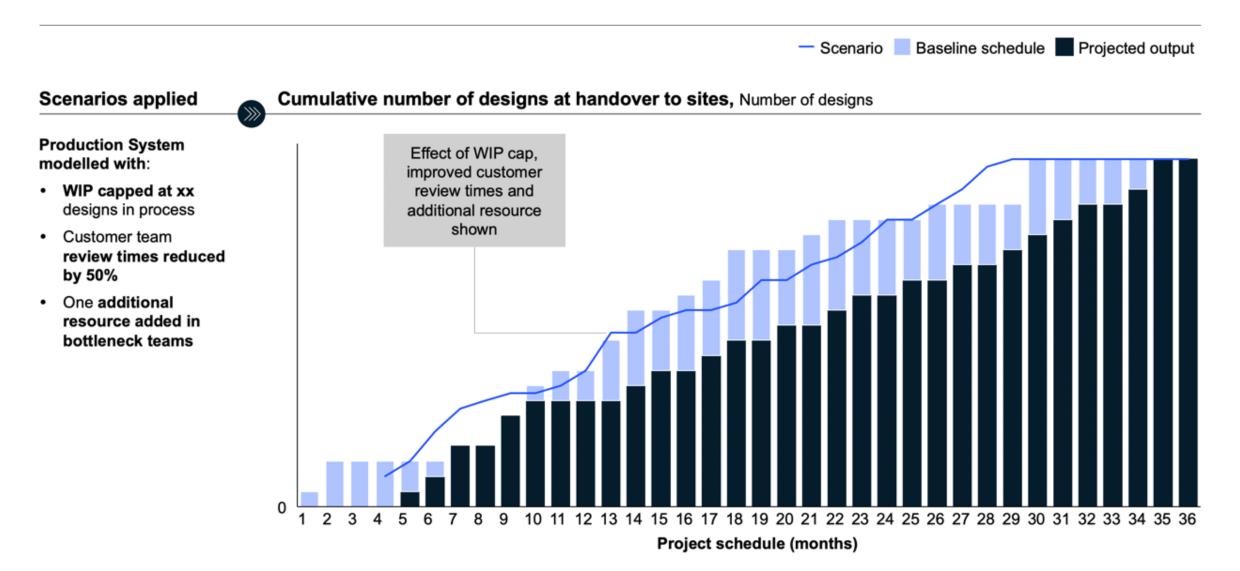


#### Established variability categories and captured sources to take action at different levels

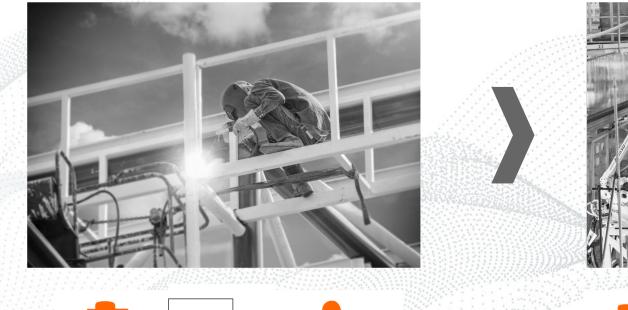


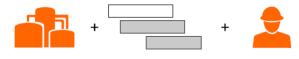


# Targeted interventions could deliver project within current schedule



### Industrialized Project Delivery



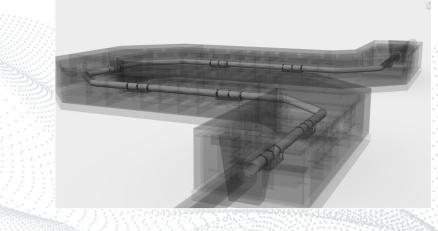


Documents Schedule Resources

Product Process Capacity Variability Inventory Design Design Datacenter Production System

#### A.G. KUNZ LLC







Reduced cycle time by 30%

#### Reduced \$5 M on labor

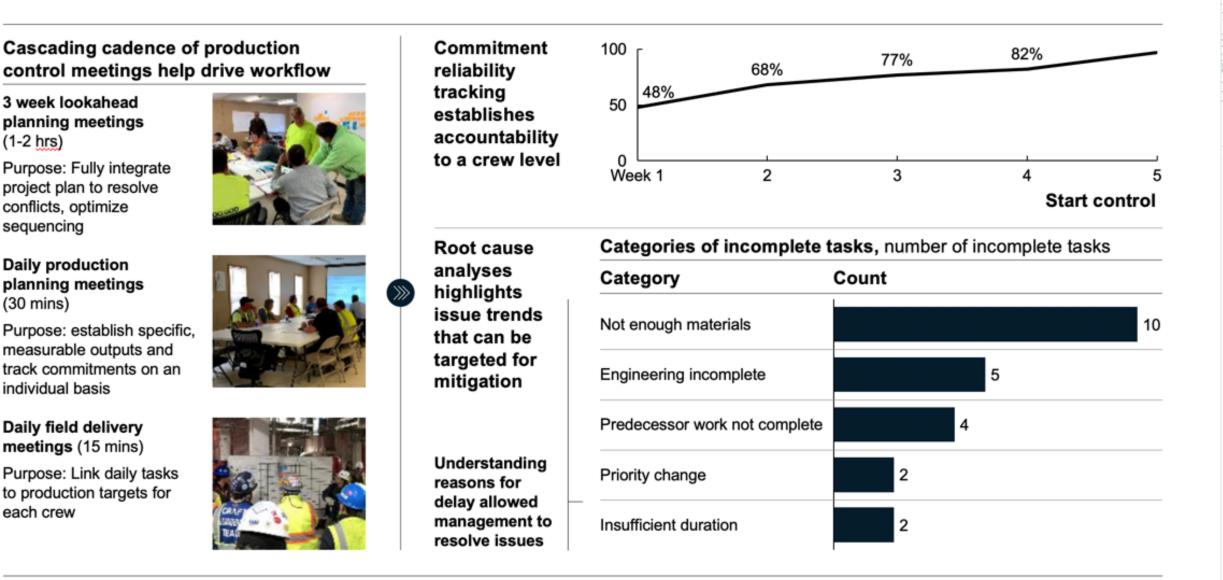
Identified 9 design issues using the construction digital prototype

Identified 27 Fabrication / Construction improvement opportunities during First Run Studies

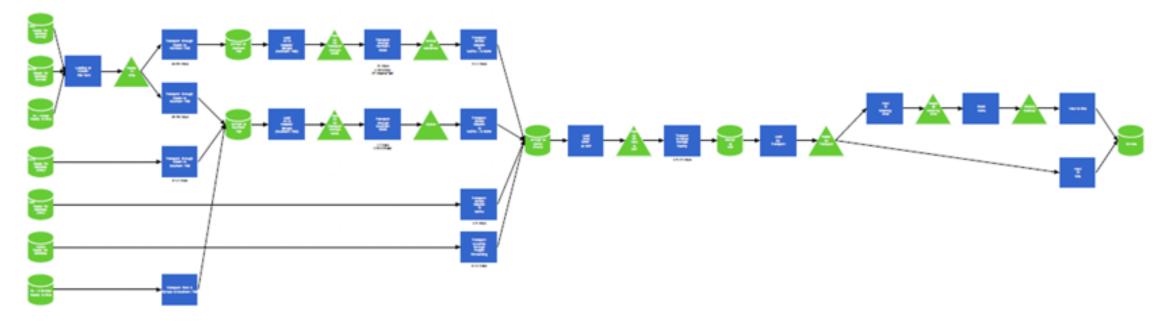
#### **2A:** Daily production meetings create a "battle rhythm" which lays the foundation for improved performance

(1-2 hrs)

(30 mins)



#### What did we find out?



Ocean Going Logistics	Inland Logistics	Offloading & Storage Logistics	Stacking Logistics
48%	52%	49%	140%

Potential to reduce ocean going vessels & inland logistics storage

Highest Capacity Utilization

Optimize Stacking Capacity (not number of stacking facilities)

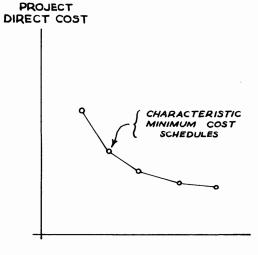


# Microsoft Cloud – Operating as Scale

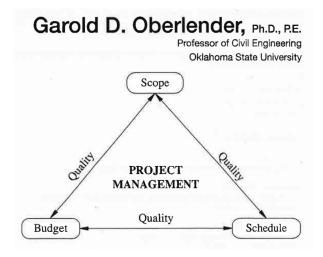
Adrian Olteanu Data Center Lease Strategy

## Industry practices are grounded in myths and legends

ERA 1 – Taylorism
Getting more out of workers
ERA 2 – Predictability
Critical Path Method (CPM) scheduling and project controls
Front End Loading
3D CADD
Advanced Work Packaging









## Project Management





Scope & Quality



Schedule



**Resource Use** 

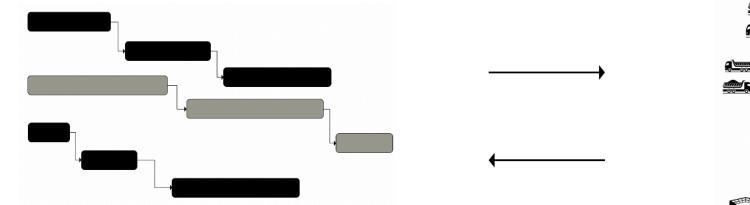
WH

WHAT





#### Schedule = Should Happen

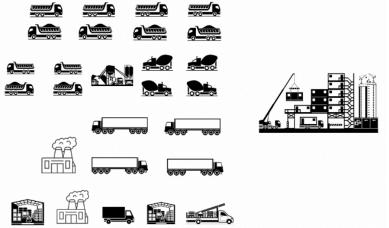


#### Dates & Progress

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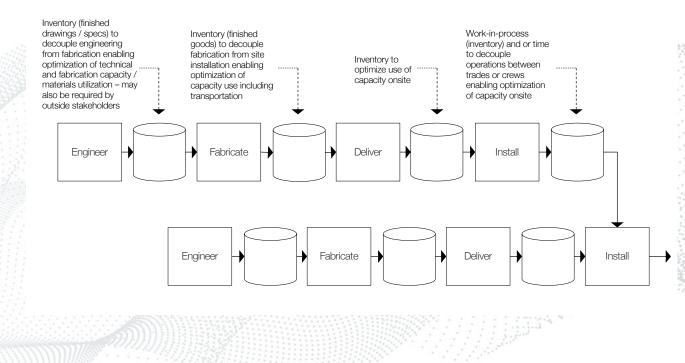
#### Production System = Can/Will Happen



Rates / Throughput



#### Projects Naturally Deal with Variability by Protecting Each Step in the Process with Inventory



#### IMPLICATIONS:

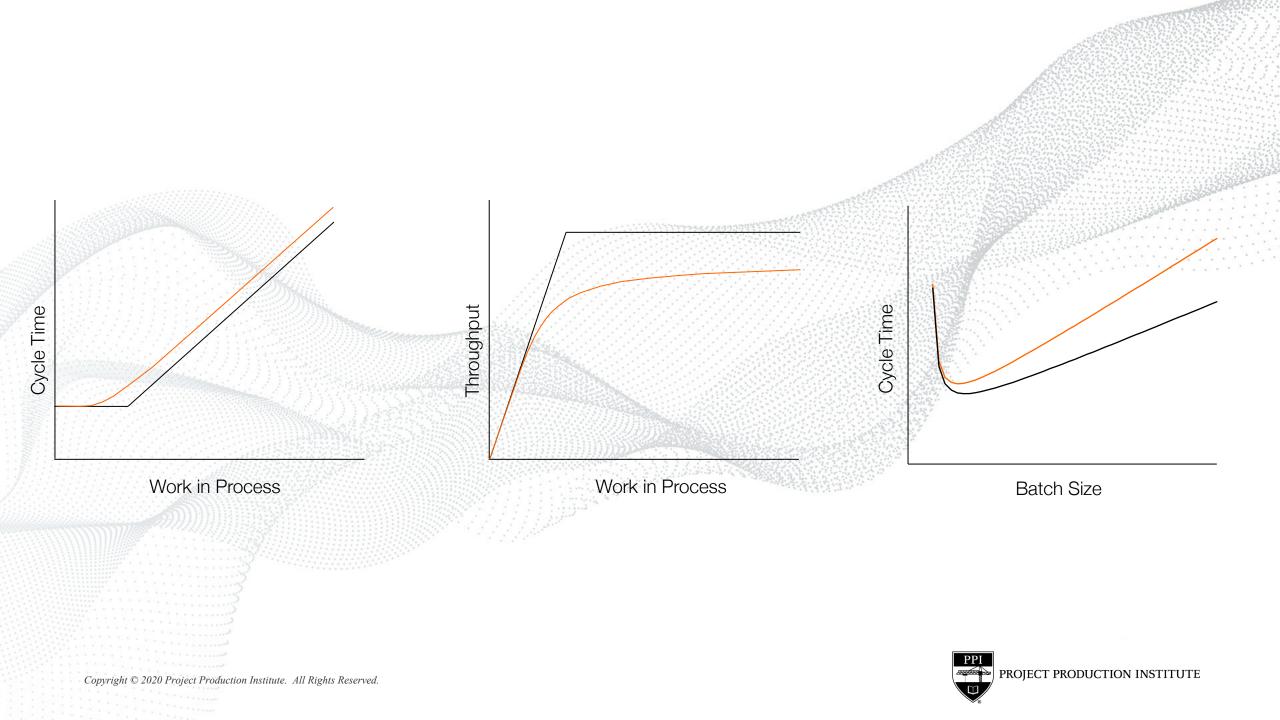
Work In Process (Inventory) = More Time

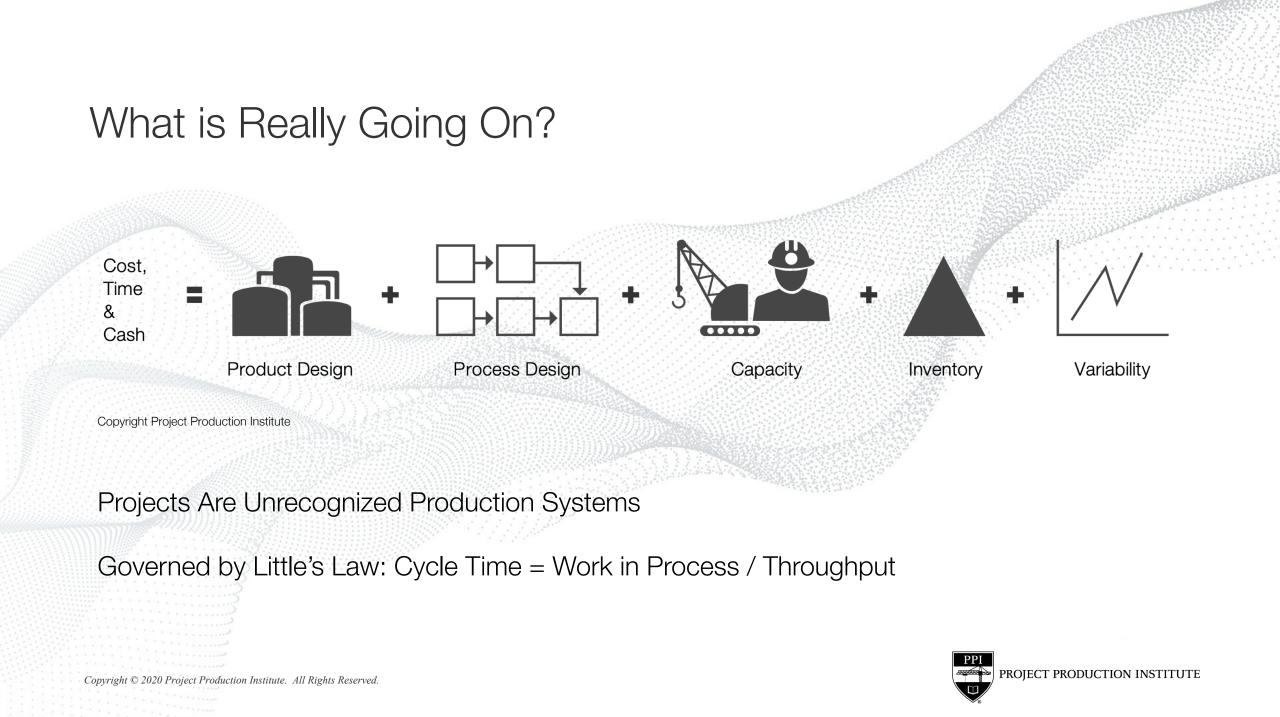
More Time = More Cost

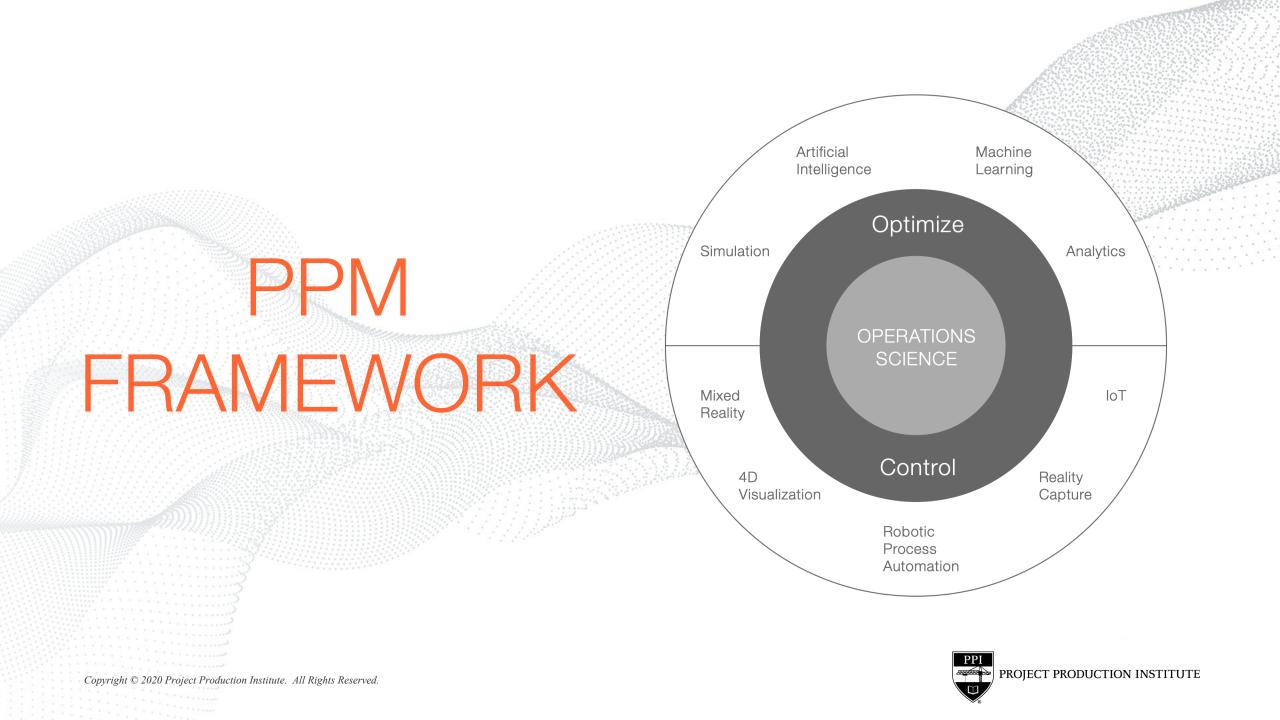
More Time + More Cost = Lower ROI

STRATEGIC PROJECT SOLUTIONS®

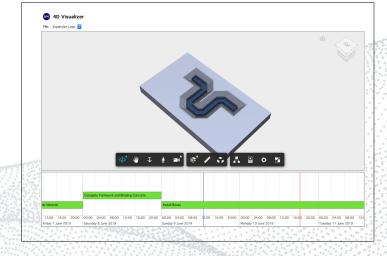


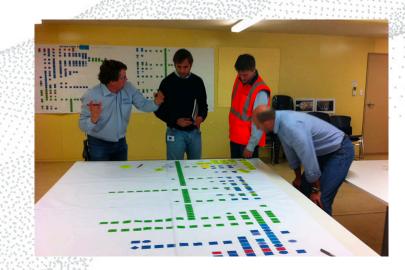












Production System Optimization

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Computer-Aided Production Project Production Control Engineering (CAPE)



## Rates drive dates

## Dynamic projects require rapid replanning

People doing the work do the real planning

## Follow the science

PPI PROJECT PRODUCTION INSTITUTE

Poll: Describe your takeaways from today's sessions on how leading companies implement and benefit from PPM (one or two words per takeaway)

Scan this code with your camera

or

click the link in Zoom chat window https://www.menti.com/hzh77r4vpb





Describe your takeaways from today's sessions on how leading companies implement and benefit from PPM (one to two words per takeaway).

