

## How Do Leading Companies Implement and Benefit from Project Production Management

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



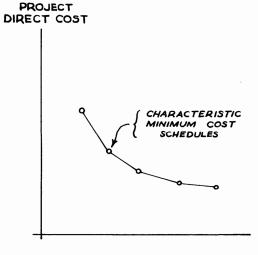
Source: Independent Project Analysis, 2018

### Upstream Projects Fail at an Alarming Rate

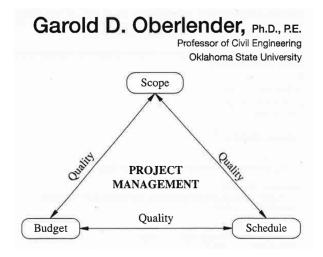


## Industry practices are grounded in myths and legends

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

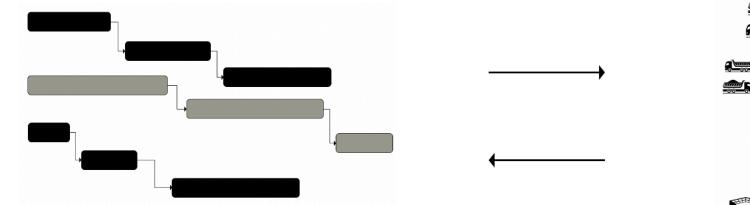
WH

WHAT





#### Schedule = Should Happen

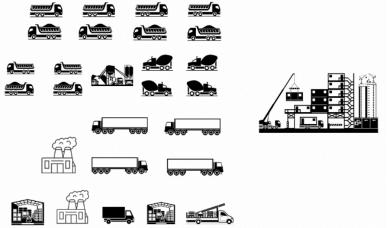


#### Dates & Progress

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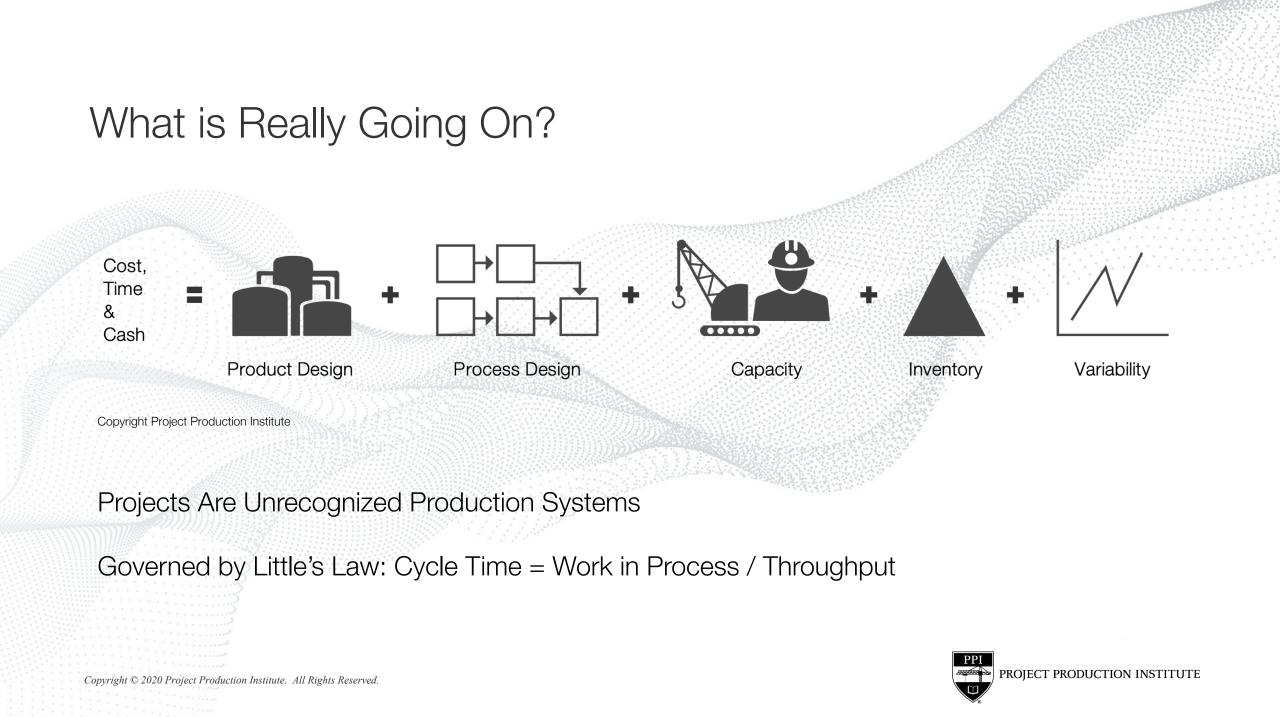
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#### Production System = Can/Will Happen



Rates / Throughput





### Rates drive dates

## Dynamic projects require rapid replanning

People doing the work do the real planning

### Follow the science

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#### Operations Science IS the "project science"

#### Project Production Management is applied OS in projects



### Understanding basic relationships

Cycle Time Work-in-Process Throughput

Utilization



### Poll

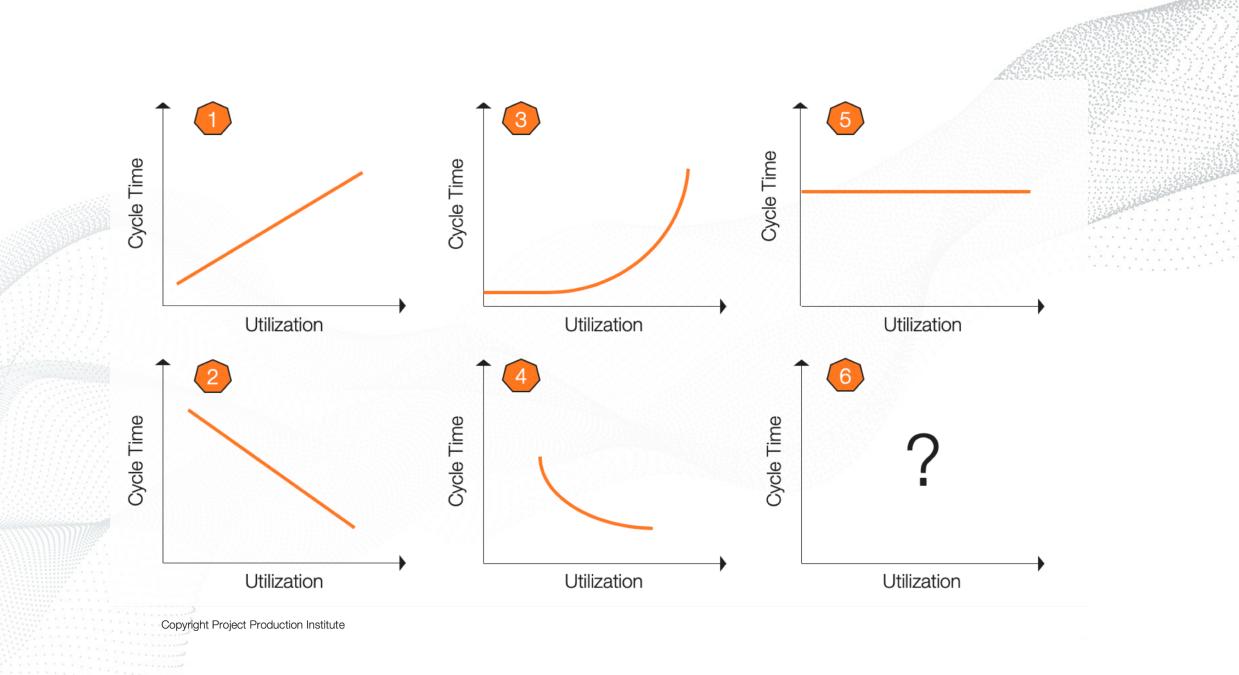
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Scan this code with your camera

click the link in Zoom chat window https://www.menti.com/91iy3oyw7y

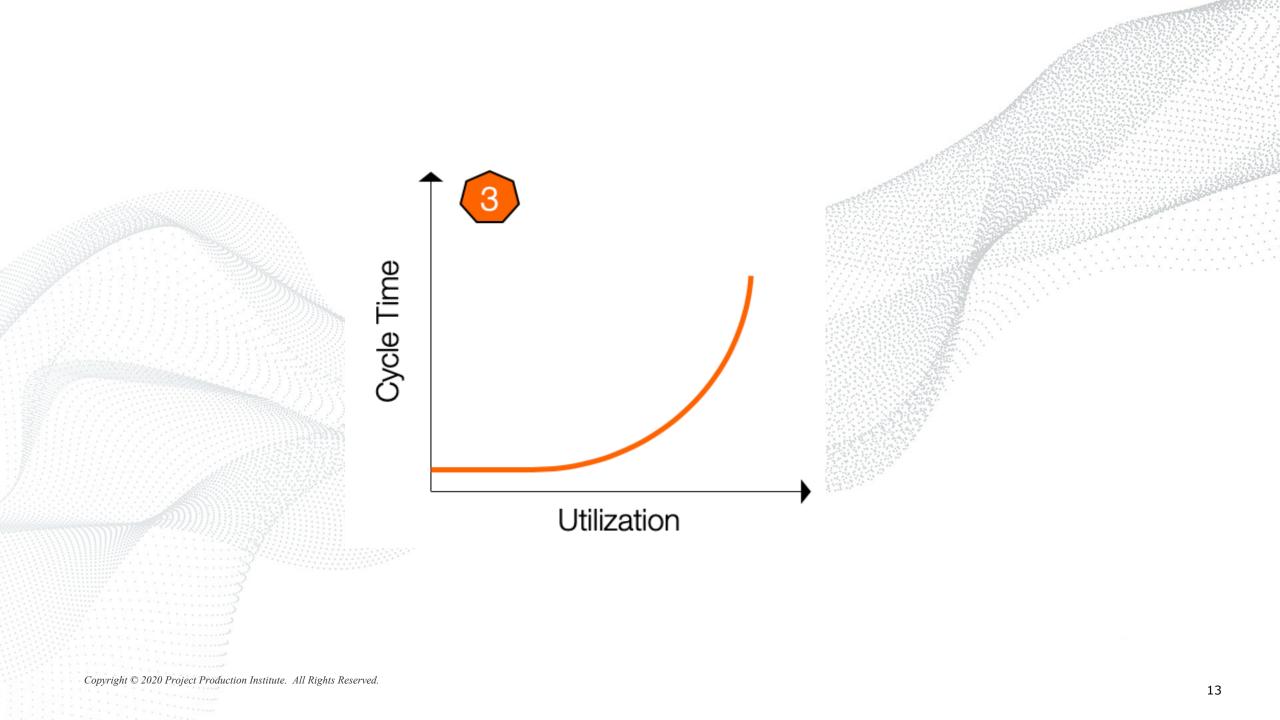


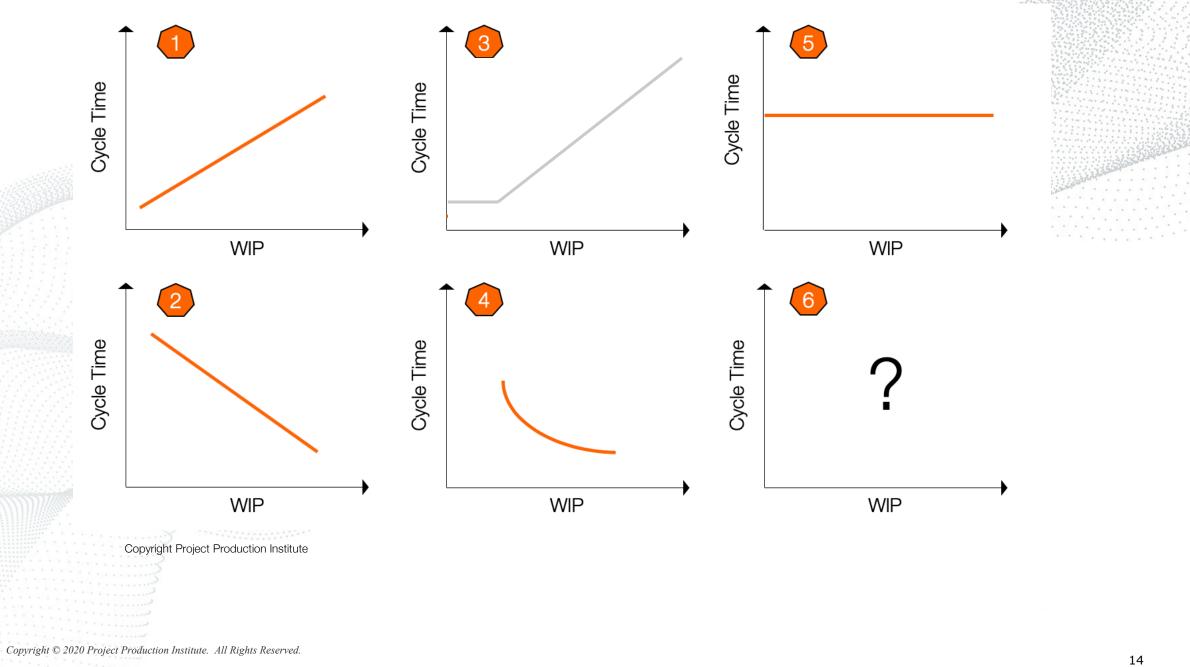




## What is the relationship between Cycle Time and Utilization?



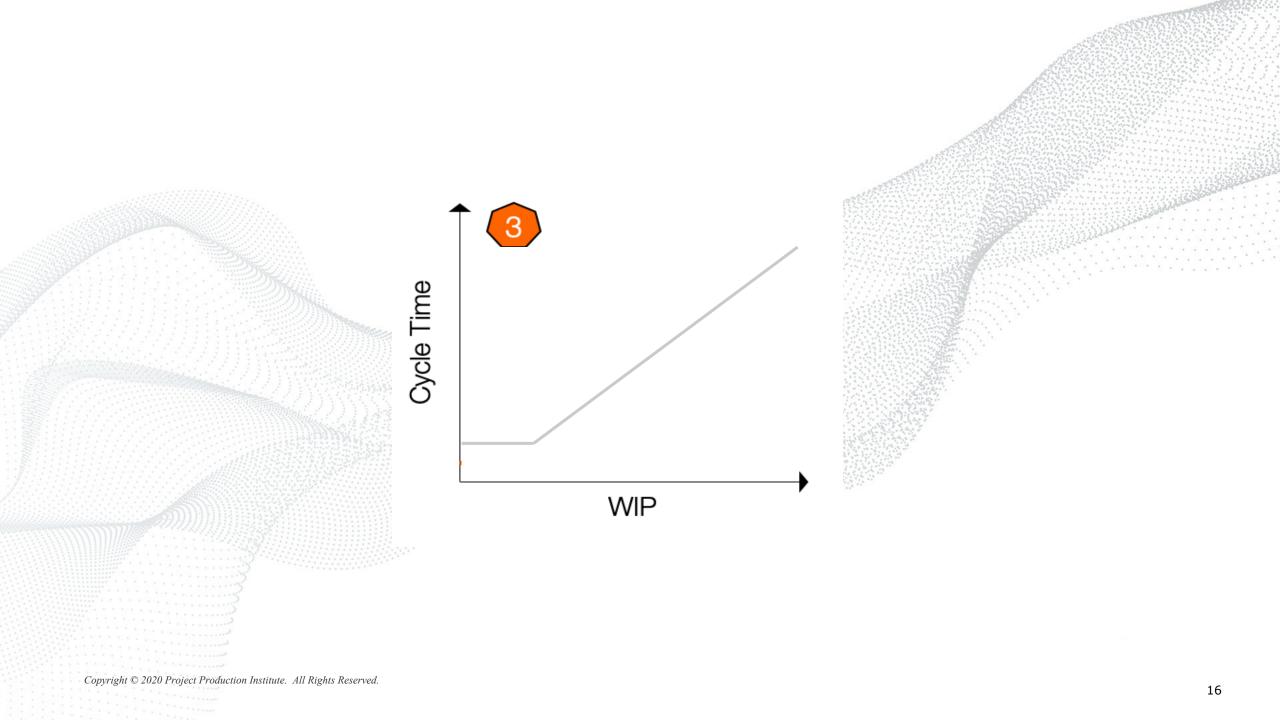




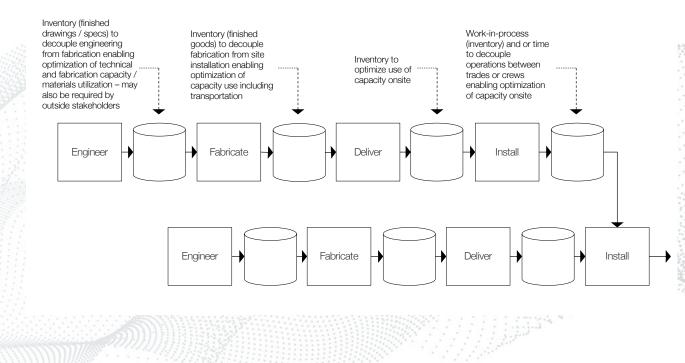
# What is the relationship between Cycle Time and WIP?



https://www.mentimeter.com/s/72784d67dc620b22df29e2 66df8518f2/1eef85f977ed



#### 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

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