STRATEGIC PROJECT SOLUTIONS®

Project as Production System

03 December 2014

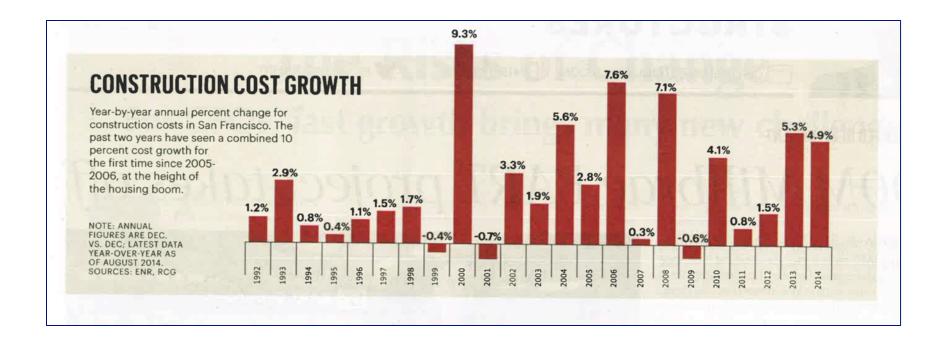
Effective delivery of projects is critical



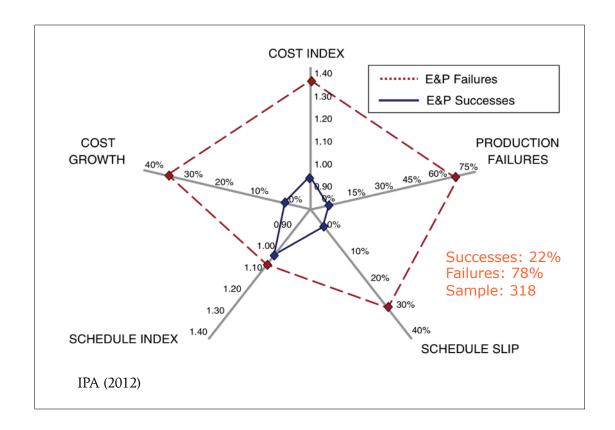
Cost & schedule overruns too common



November 21, 2014 San Francisco Times



"Although work may be bigger and margins may be higher at bid time, there's a lot of people working for nothing right now," Yee said. "With all the labor inefficiencies and lag we pick up out here, you lose the anticipated profits."

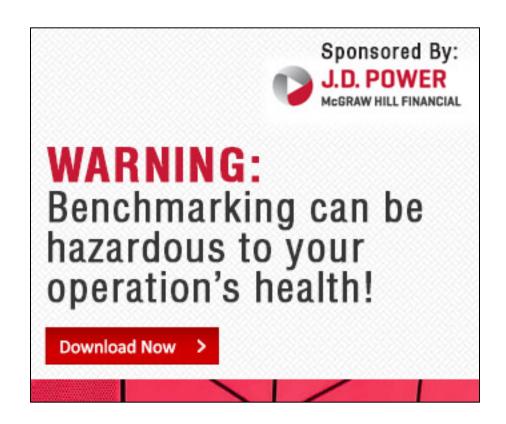


Of 365 mega projects with capital investment over US\$1B, 64% are facing cost overruns and 73% are reporting schedule delays. - EY (2014)

"Normalized Pain"

Who should we be benchmarking ourselves with?

What capability maturity curve should we be following? (What does good look like?)

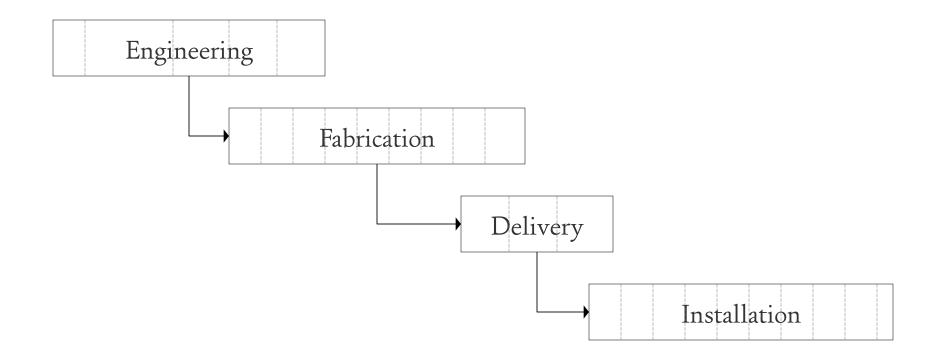


Today's major capital projects are too complex and dynamic for the current approach to managing them

Over reliance on functional project management

Lack of investment in management of production (execution of work)

Conventional View

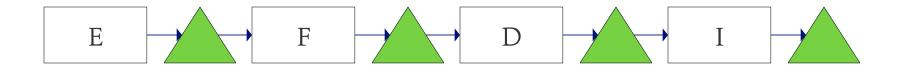


Project as Production System



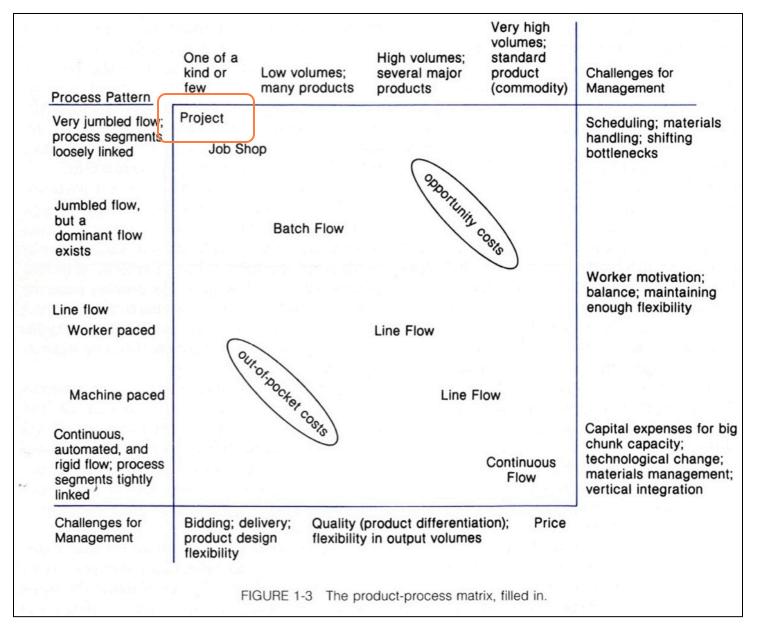
Per each system/subsystem

Project as Production System



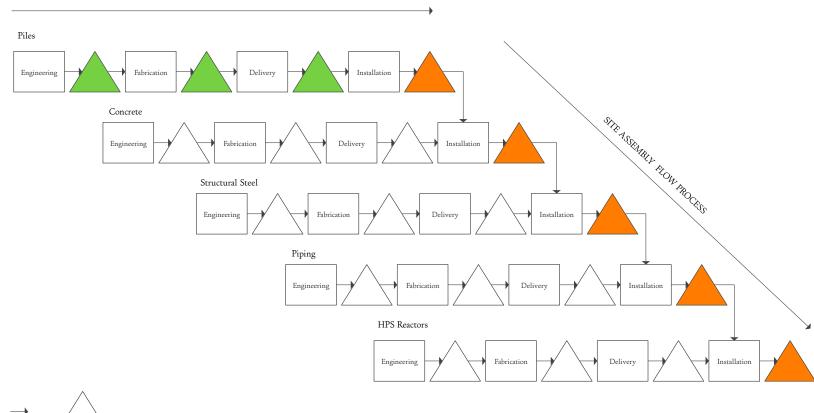
Per each system/subsystem

Schmenner did this in 1993!



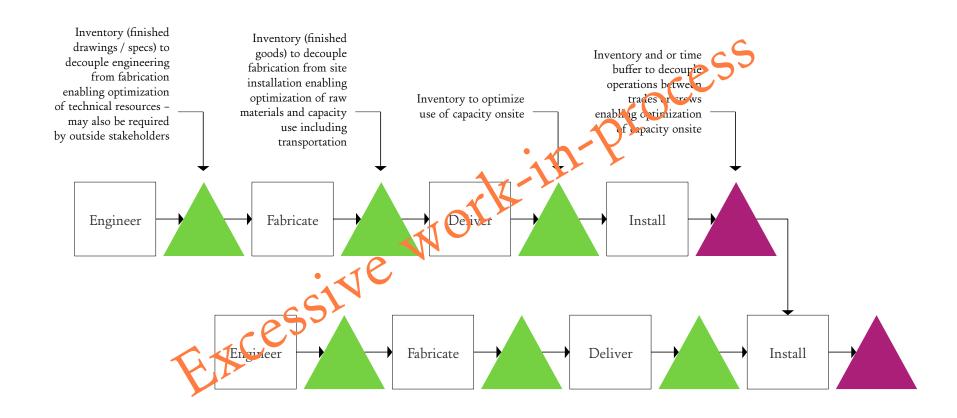
Production/Operations Management Fifth Edition - Roger W. Schmenner 1993

SUPPLY FLOW PROCESS





How should it behave?



Looking at it

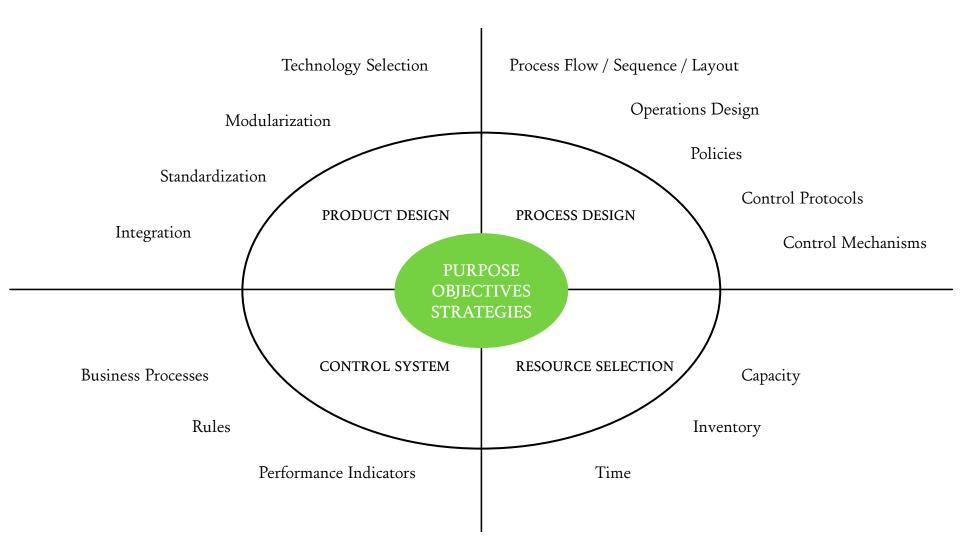
VS.

Looking for it

NOT PROJECT CONTROLS

Operations Management provides the basis for designing and controlling production systems

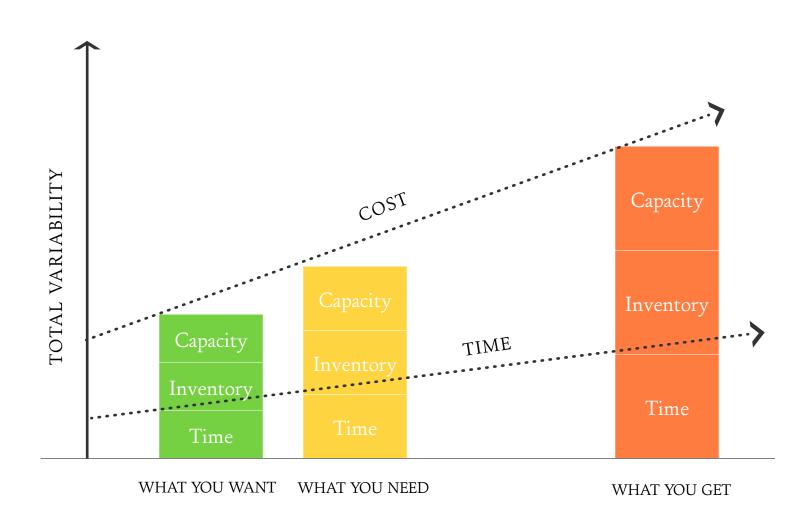
Production System Design Parameters

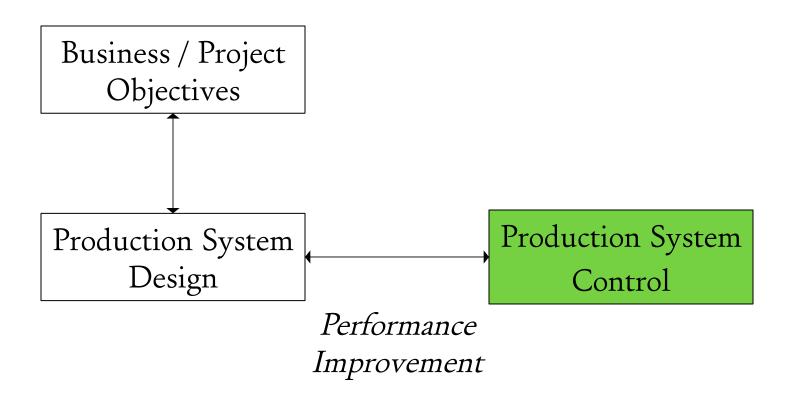


How do we ensure production systems behave per the designs?







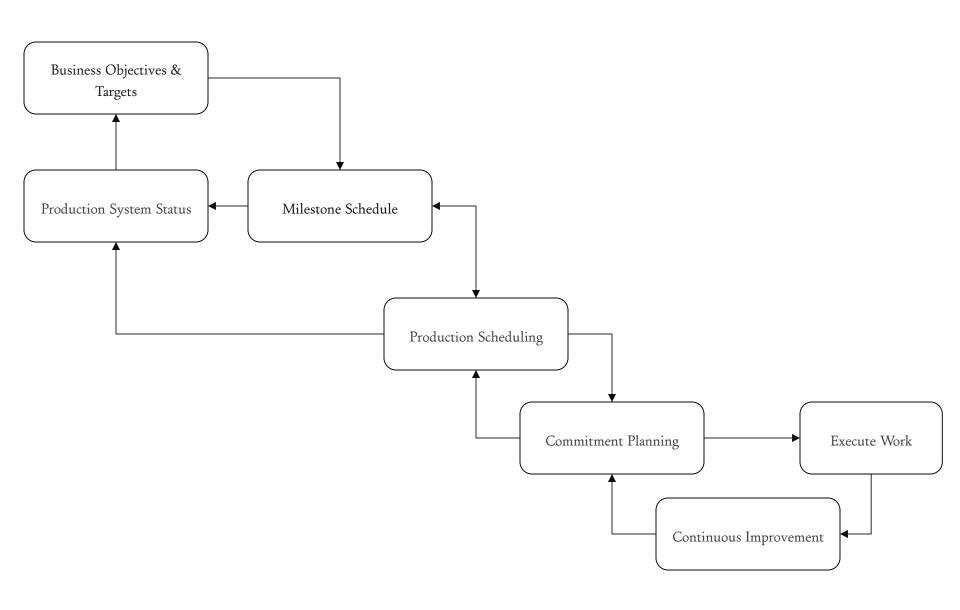


Production System Control

Business Processes

Rules/Policies

Measurements



Project Management

+

Production Management

Research

Not collecting best practices

But developing next practices

