



Statistical Discovery.™ From SAS.

REPAIRABLE SYSTEMS SIMULATION (RSS) IN JMP® PRO

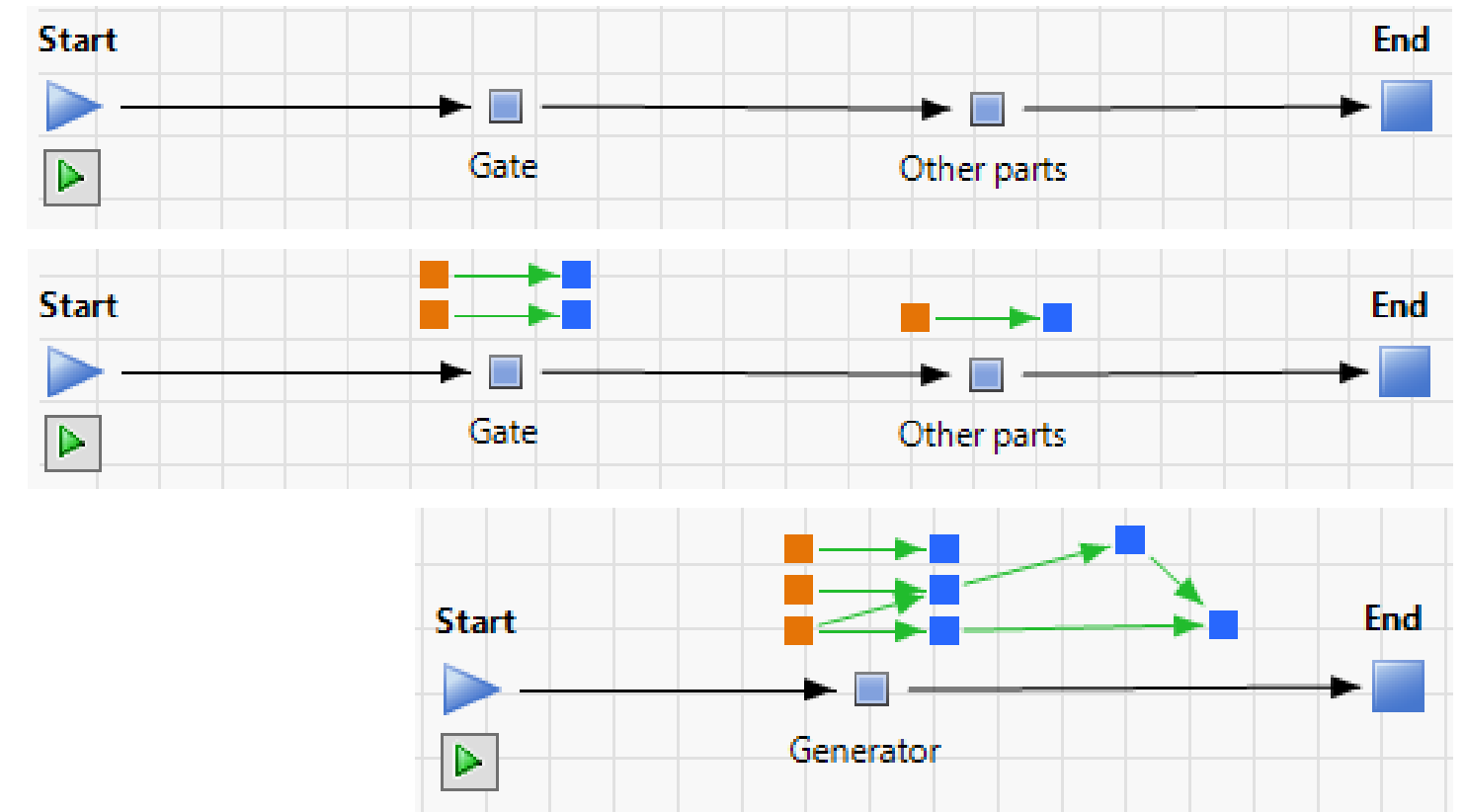
Peng Liu and Leo Wright



DESIGN INSPIRED BY LEGO

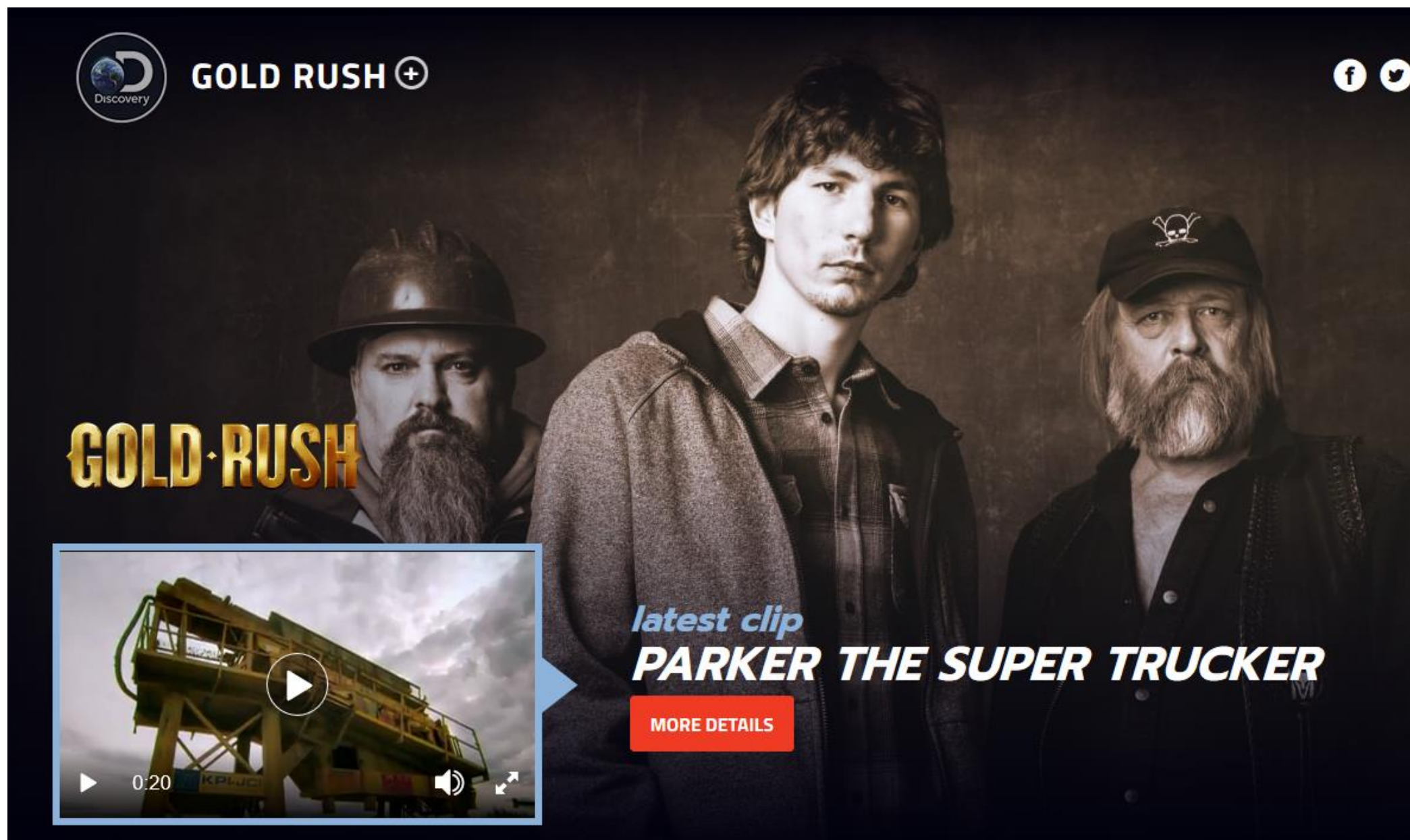


- RBD
 - Life Distribution
 - Dependent Structure
 - Definition of System Reliability
- Event-Action sub-diagram
 - Event
 - When and What Happens (Unplanned Failure, Planned Job, etc.)
 - Action
 - When and What to Do (Replace, Restore, etc.)



DEMO 1

GOLD RUSH



Discovery GOLD RUSH +

GOLD RUSH

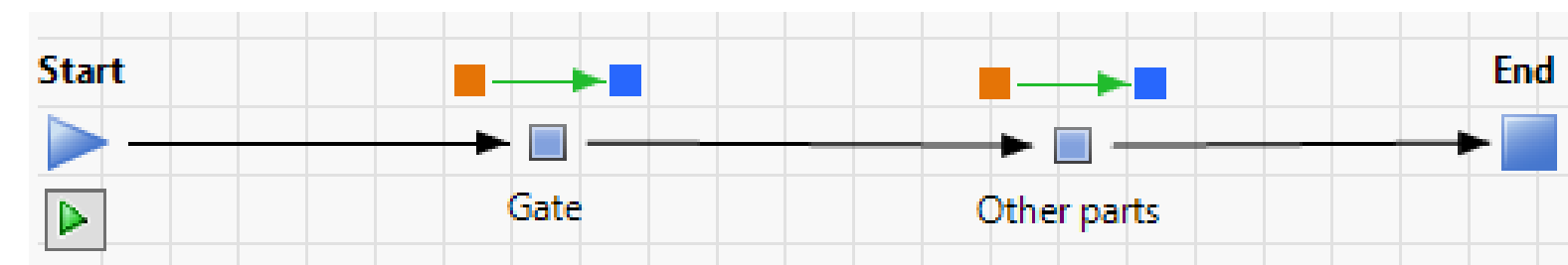
latest clip
PARKER THE SUPER TRUCKER

MORE DETAILS

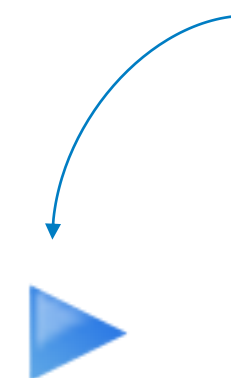
0:20

The banner features three men from the show Gold Rush. On the left is a man with a long beard and a hard hat. In the center is a younger man with dark hair. On the right is a man with a long beard and a skull cap. A small video player in the bottom left shows a yellow mining truck. A red button labeled 'MORE DETAILS' is positioned below the text 'PARKER THE SUPER TRUCKER'.

7/2/2017 screenshot

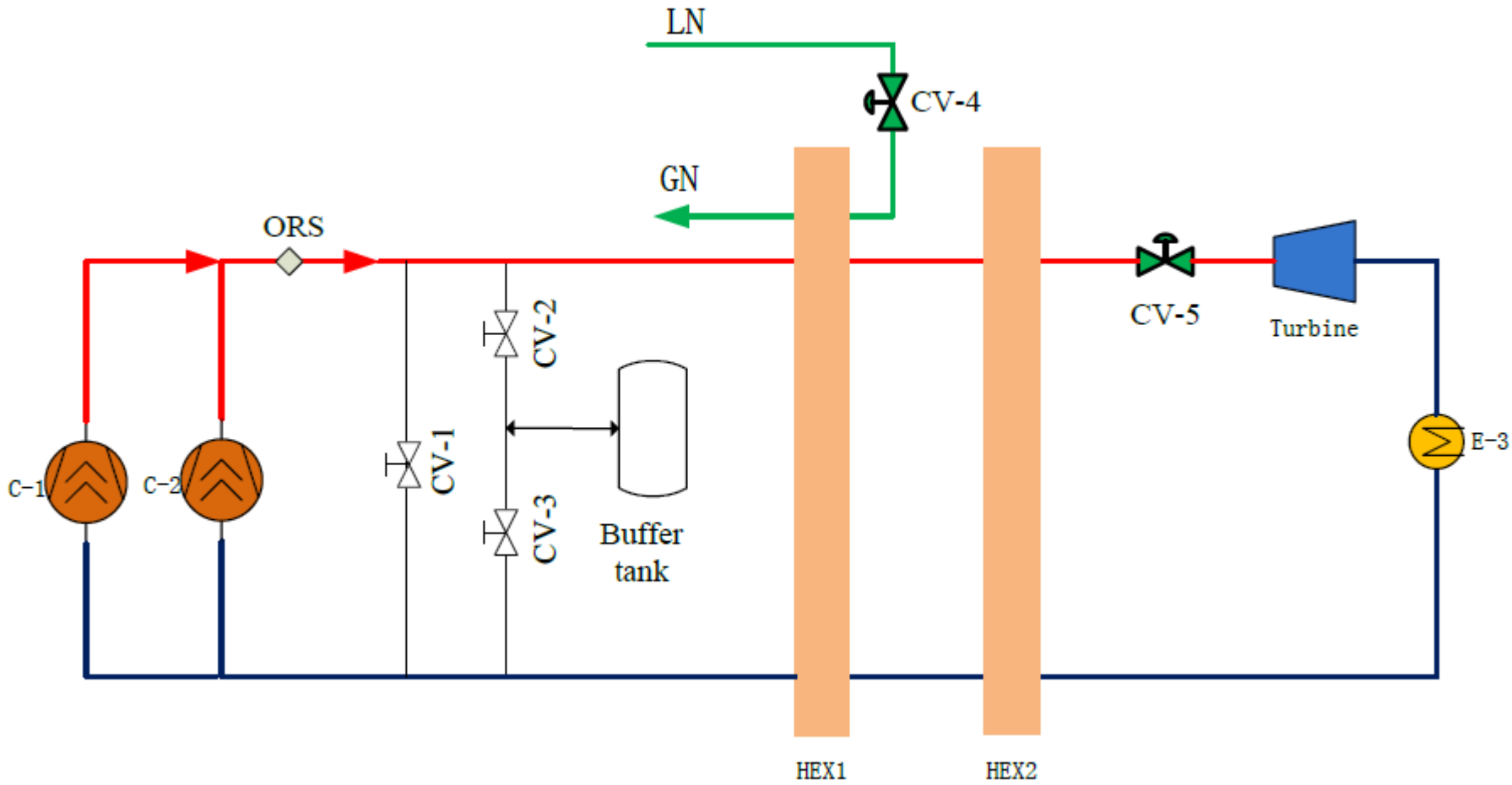


Click here



DEMO 2

A VERY EXPENSIVE REFRIGERATOR



Click here



Without Repair

Click here



With Repair

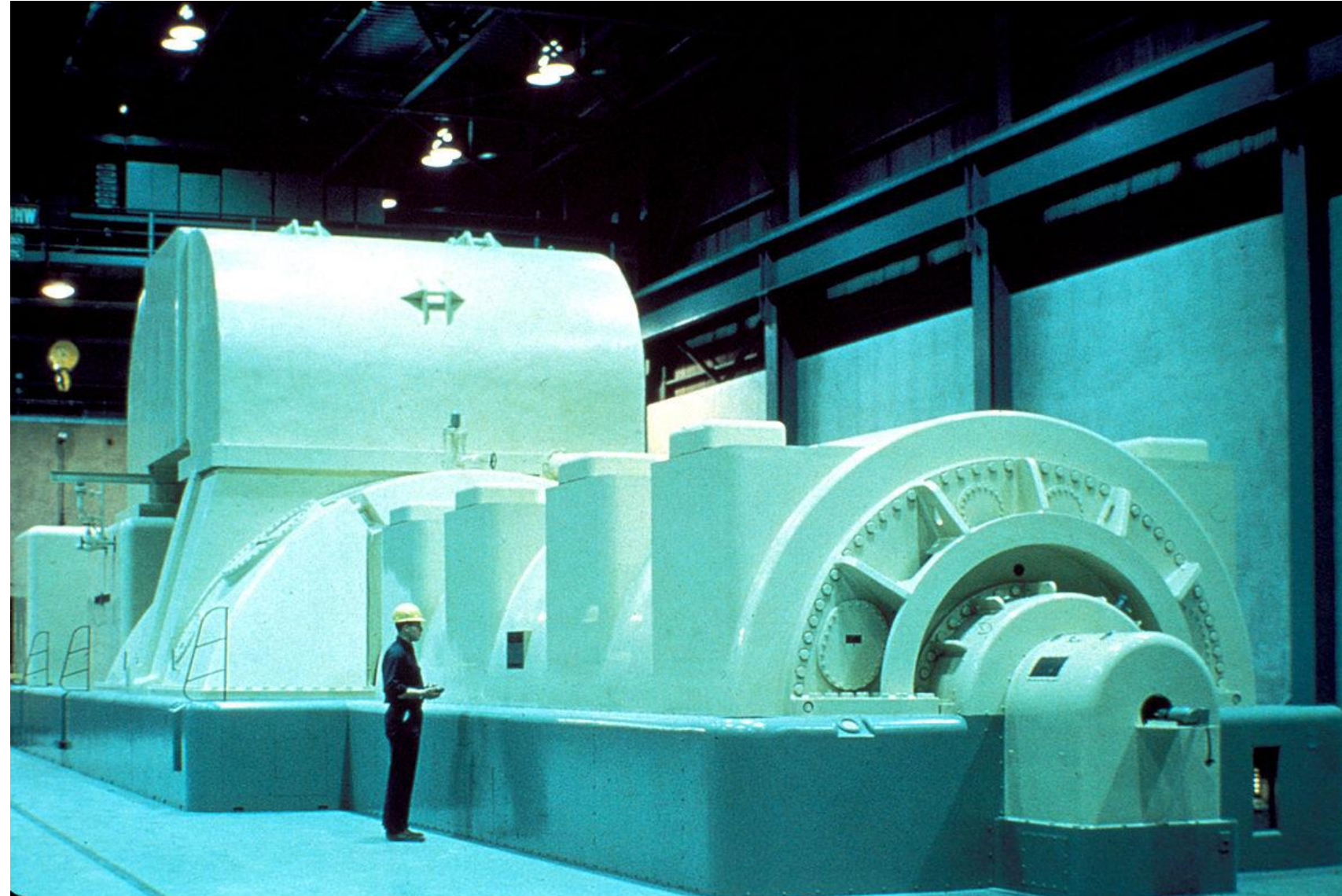


Conditions: 4 identical pumps, 1 different pump
Alternative 1: Replace the old with new
Alternative 2: Add one new pump

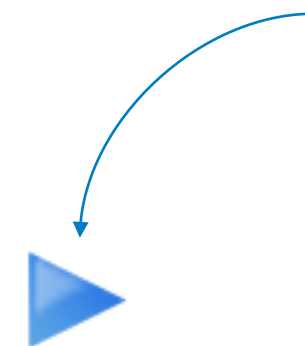
- Click here
- ▶ Simulation
 - ▶ Cost Calc
 - ▶ ▶ Alternative1
 - ▶ ▶ Alternative2
 - ▶ Compare

DEMO 4

SEASONAL STRESS



Click here



BUILD YOUR AWESOME SYSTEMS

ONE PIECE AT A TIME





Statistical Discovery.™ From SAS.

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