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## Agenda

What Engineers Want
What Managers Want
Tools & Techniques
Case Studies
Q&A





## What Engineers Want



#### In the day-to-day work environment:

- WHO do you have lunch with?
- WHAT do you work on?
- WHEN do you report results?
- WHERE do you spend any free time?
- WHY are you working on your favorite project?
- HOW do you know you did well?





## What Managers Want



In the day-to-day work environment:

- WHO do they have lunch with?
- WHAT do they work on?
- WHEN do they report results?
- WHERE do they spend any free time?
- WHY are they working on their favorite project?
- HOW do they know <u>you</u> did well?





### The GAP



#### **ENGINEERS**

- Understand the details
- Technical Results
- Metrics adapt to the problem
- Enjoy solving the problem

#### **MANAGERS**

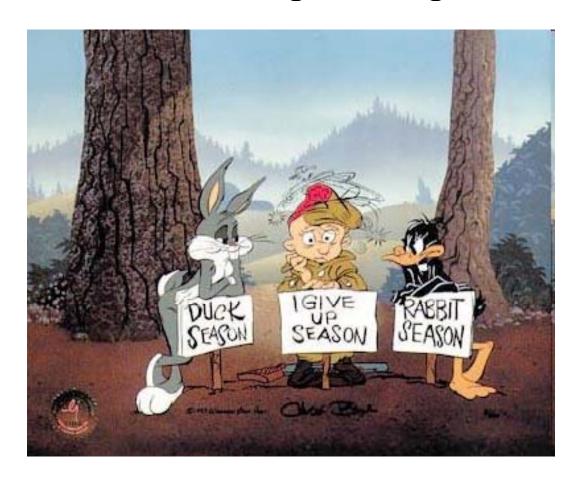
- Don't care about the details
- Monetary Results
- Fixed set of metrics & reporting method
- Enjoy communicating the results!



## Tip#1



• Work ONLY on the right things.

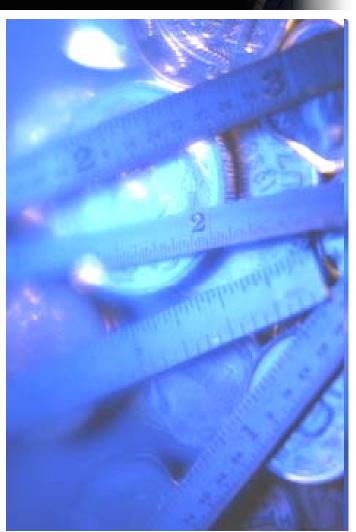




## Calculate the Value



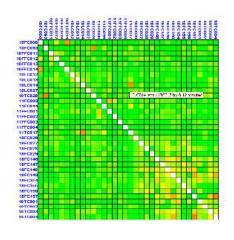
- Cost
- Quality
- Safety
- Reliability
- Production
- Energy

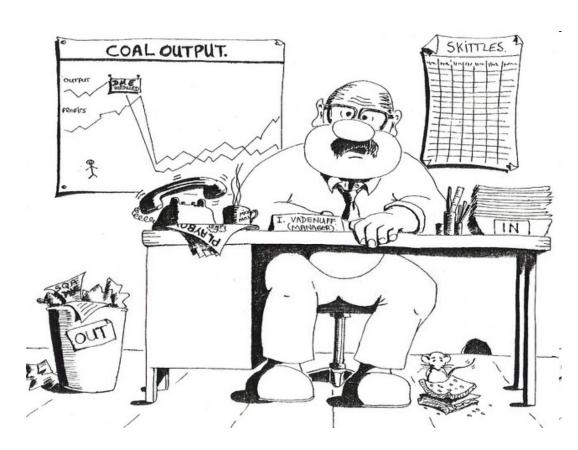




### How?

- Before & After
- Use Real Data, Real-time
- Estimate
- Simulation

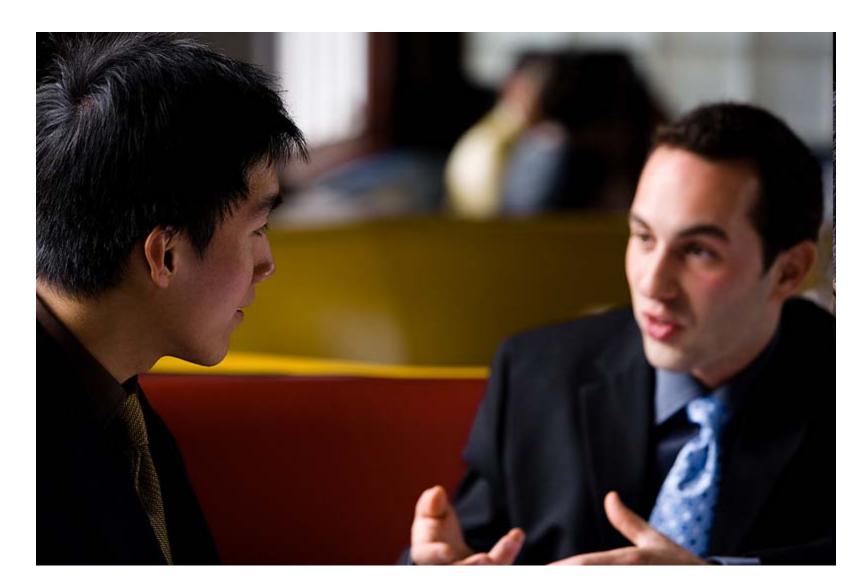






# The Most Important Technique







# Communication Techniques



- Before & After
- 1-Page Summary
- Elevator Speech



- And **NOT**:
  - Detailed Report



# Case Study #1





# Case Study #2





# Q&A



