Big Data Analytics: The Next Frontier of Operational Efficiency
Turn HVAC Data into Actionable Information

AKA...

• Monitoring Based Commissioning

• Ongoing Commissioning

• Automated Fault Detection & Diagnostics

• Big Data Analytics
Big Data: The Management Revolution

by Andrew McAfee and Erik Brynjolfsson
FROM THE OCTOBER 2012 ISSUE

4 Ways Big Data Will Transform Business

MARCH 29, 2013
STEAMROLLED BY BIG DATA
BY GARY MARCUS

Cloud computing spending to hit $32bn in 2015
by Dan Worth  22 Apr 2015

What Every CEO Needs to Know About the Cloud

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O&M challenges

- Complex systems
- Reactive to HVAC Problems
- Potential for Data Overload

There is a need for technology to find energy waste & direct resolution every day
The Utility Business Case

• 3-4 years post implementation, 20% of RCx measures have failed

• Are incentivized direct installs operating as assumed?
  • Easy to drive a Prius with the break and gas on at the same time!

Challenges:

• How do you quantify the benefit upfront? More research needed. Automated M&V