





# Using Your Enterprise Data Effectively

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# The Challenge

- You have been asked manage a project that harvests information from a variety of sources such as meters, sensors, control systems, and Enterprise data sources (ERP, CRM, etc.)
- The system must display and allow certain users the ability to interact with meaningful information in an electronic dashboard.



# Objectives for the session:

- Discuss Common Misperceptions
- How to Minimize Risk?
- What are some Best Practices



# Common Misperceptions

- The data from all of these sources are in an enterprise database and are securely accessible using normal IT standards( i.e. Web services)
  - In reality, more often than not, the data is siloed in a standalone system with a separate security model.
  - Often the data isn't even accessible on the corporate network due to politics, separate networks, or incompatible protocols.



# Common Misperceptions

- “Dashboards just show data”
  - NO! Dashboards display and interact with information not raw data.
  - It’s a fact that Dashboard projects more often fail than succeed due to failing to meet the requirements and expectations of the intended audiences.



# Minimizing Risk

- Use sound project management upfront and throughout the project.
- Don't start from scratch. Use portal or Kiosk technology that already exists within the organization.
- Bring facility data into alignment with IT standards and best practices.



# Project Management

- Define requirements per audience type.
- Set realistic expectations based on budget, politics, resources, constraints, complexity and time.
- Don't make assumptions
- Communicate and assess throughout the project.



# Use Existing Technology

- Utilizing portal technology from Energy Management systems, or corporate portals will greatly speed development of dashboards.
- The chances that resources will be available to enhance the system are increased when leveraging existing infrastructure.



# Bringing facility data in alignment with IT standards

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- How?
  - Use third party software that eases the task of interfacing to multiple disparate control interfaces (including new industrial wireless devices)
  - Use this software to normalize and securely store/forward data to enterprise corporate databases.



# Bringing facility data in alignment with IT standards

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- What are the benefits?
  - Objects (sensors, control systems, meters) are accessed securely, each using a unique name, regardless of previous protocol and constraints.
  - Data can be incorporated into a data warehouse to initiate drill down and sophisticated analysis.
  - Speed to deployment and refinement using readily available resources vs. specialized resources.



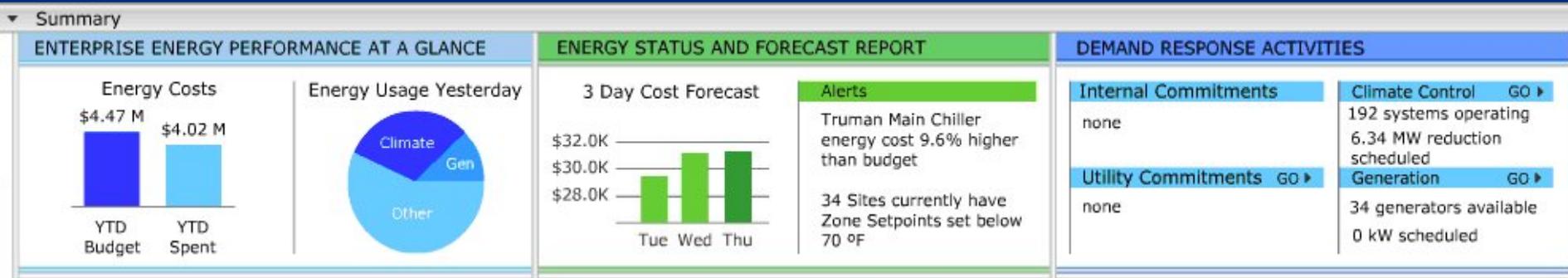
# Best Practices

- Meet requirements and expectations; however, improve by iteration.
- Executives rarely use portals that require login. Consider digital signage such as a dedicated display for high profile projects.
- If the project involves employee participation, such as energy savings, make it fun and dynamic.



# Best Practices

- Good Example of a dashboard intended for an Facilities Manager



Source : GridLogix



# Best Practices

- Good Example of a dashboard intended for a VP of operations



Source : GridLogix



# Best Practices

- Good Example of a dashboard intended for all employee's and executives





# For More Information

- Would you like to know more about this session?
  - Scott Sudman
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Don't forget to fill out and drop off your session evaluations!