# Building and Power Management The Value of Integration

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## The biggest source of efficiency is **Integration**



# Today - Multiple silo systems in the building

- > Multiple networks from multiple vendors
- > Too many systems to learn
- > Complex troubleshooting
- > Higher capital and operational **expenditures**
- > **Obstacles** to achieving energy efficiency

#### Multiple systems

(traditional design)



## **Tomorrow** – Creating Business Value

- > Reduce costs both initial investment and ongoing facility operational expenditures
- > Increase employee productivity
- > Capitalize on **long-term** financial value
- > Enhance building asset **Value**
- > Improve the customer experience

#### Integrated systems

(single IP network)



## **Industry Leading Management Systems**



# Enhanced value & performance

with integrated building solutions

# Power and BMS data can be monitored and managed from "one" common user interface:

- > Graphs and Reports can be created and distributed showing values form both systems – ensures accurate and timely information
- > PowerLogic values can be monitored and controlled through BMS leverage advanced power meters to monitor more than Kwh
- > Web interfaces can be embedded providing one platform to monitor and control building
- > Alarms delivered to one system increasing efficiency and response time for facility personnel.

#### System-wide controls can be synchronized using data from both systems

- > BMS equipment can be scheduled to run more efficiently based on energy usage feedback
  - Apply schedule to HVAC equipment based on metering data
- > Programs can be customized to run devices based on actual values
  - Dim lights or lower equipment levels if peak energy levels are reached

## What does this look like?

#### Integrated System Architecture



## What does the User see? Building Management view



### Note: All information shown from Power Meters is read into Modbus Points in Continuum Controllers

## What does the User see?

Power Monitoring view



# Quiron Hospital, Spain

Adding tangible and sustainable value for our customers

#### Customer needs

- Reliability
- Continuity of service Guarantee Maintainability
- Monitoring
- Comfort and Safety
- Cost effectiveness

#### Customer benefits

- - 35% in power consumption vs initial average consumption
- 30% operating expenses
- Interoperability thanks to open communication systems
- Flexibility for future expansions & upgrades



\*Security: surveillance, fire detection, technical alarms

# Make the most of your energy<sup>™</sup>



