The Future of Smart Buildings & Gap Between Design and Implementation
“We have a generous budget, so don’t worry about your hours.”

TRUTH

“We will definitely freak out when you send us your invoice.”
Design - Too good to be true

Body

Engine

Price

4th HVAC Contracting Conference “Bridging the Gap Between Design, Construction and Facility Management”
PRESENTATION TITLE

PRESENTER

DATE

Ethernet
WAN/LAN
BACnet/IP
LonTalk

MSTP

4th HVAC Contracting Conference “Bridging the Gap Between Design, Construction and Facility Management”
The Future of Smart Buildings

1. Wireless
2. IOT (Internet Of Things)
3. Smart Applications
4. Connected Buildings
5.5 million tonnes of PVC waste annually, which makes PVC among the third most used plastics on the continent!!!
4th HVAC Contracting Conference “Bridging the Gap Between Design, Construction and Facility Management”
The Future of Smart Buildings

Cloud

Peak Potential
Explore Energy Efficiency

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The Future of Smart Buildings
Energy Dashboards

District Energy

Elementary
158.398 kw

Middle
231.890 kw

High School
116.894 kw

Chiller Supply Temp
46.0 °F

Last Week

Title
- Chilled Water Pump 1 Flow Status
- Chilled Water Pump 2 Flow Status
- Chilled Water Pump 3 Flow Status
- Chilled Water Pump 4 Flow Status

White Bear Lake SC, Plant Controller, Full Building Power – This Week
White Bear Lake SC, Plant Controller, Full Building Power – 1 week earlier
4th HVAC Contracting Conference “Bridging the Gap Between Design, Construction and Facility Management”
Connected Buildings

4th HVAC Contracting Conference “Bridging the Gap Between Design, Construction and Facility Management”
Where's My Tech?

John M. will arrive in
15 minutes

115 Deep Hollow Rd.
King of Prussia, PA 19406
2:00 - 4:00 pm
Reef
Conclusions

1. Wireless is Better
2. Smart Applications can bring sense to raw data
3. IOT with BMS makes buildings smarter
4. Connected Buildings operate more efficiently
QUESTIONS?

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