Smart Rooftops
With Daikin Applied™

and Intel’s Gateway Solutions for the Internet of Things
What is The Challenge?

If You Could Make One Thing Smarter and More Efficient… What Would it Be?

US Residential Energy Consumption - HVAC 39%

US Commercial & Industrial Energy Consumption - Lighting 25%

Yet… Most HVACs Are Islands

Note: This pie chart uses an adjustment factor (*) used by the EIA to reconcile two datasets.
Daikin Applied™ and Intel Corporation

Paul Rauker  
Vice President & GM  
Daikin Applied  
Minneapolis, MN

Scott Shull  
Strategic Business Development  
Intel Corp  
Portland, OR

Smart Connected Rooftops
Remotely Monitoring, Continuously Provisioning

Intel Cloud Services

Energy Trend Analytics
APIs

Daikin Cloud

Daikin Visualization Solutions

Daikin’s Developers

Edge Analytics

Intel Hardware
- Energy Sensor & Metrology
- Intelligent Gateway

Performance, Efficiency, Health

Daikin Cloud

Secure, Connected, Managed HVAC Assets
Transformational Services

Building Status

Energy Star Score 85

Energy: 1.6% Higher than last year
Water: 3.6% Lower than last year
Fuel: 4.6% Lower than last year

HVAC Summary

- Unit Status: 75% Comfort Index
- Maintenance: 75%
- Live Power Usage: 0.6 Performance Index

Financial Summary

- Total Saved: $1,200
- Missed Savings: $800

Comparing your Unit to a Baseline Unit

Total Saved: $1,200

Cumulative Savings Compared to Baseline Unit

- Monthly Savings
- Last 12 Months
- Coal Savings
Solution Architecture...

Bringing Advanced Security, Encryption, Metering & Energy Analytics to the HVAC Solution
Aggregating Fleets of Rooftops

Transformational…

Among the Worlds Most Efficient RTUs
Now Daikin Enables Energy Services for Their Customers

With Daikin Rebel Alone…
over 689 MW under Energy Orchestration!