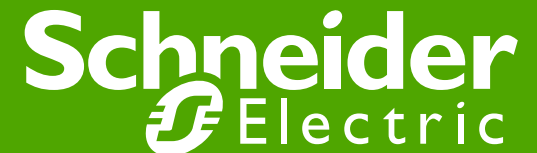


# Remote Energy Monitoring

Identify your energy savings potential and prove it with  
StruxureWare Energy



# Energy Management...no longer a trend

## Energy Efficiency

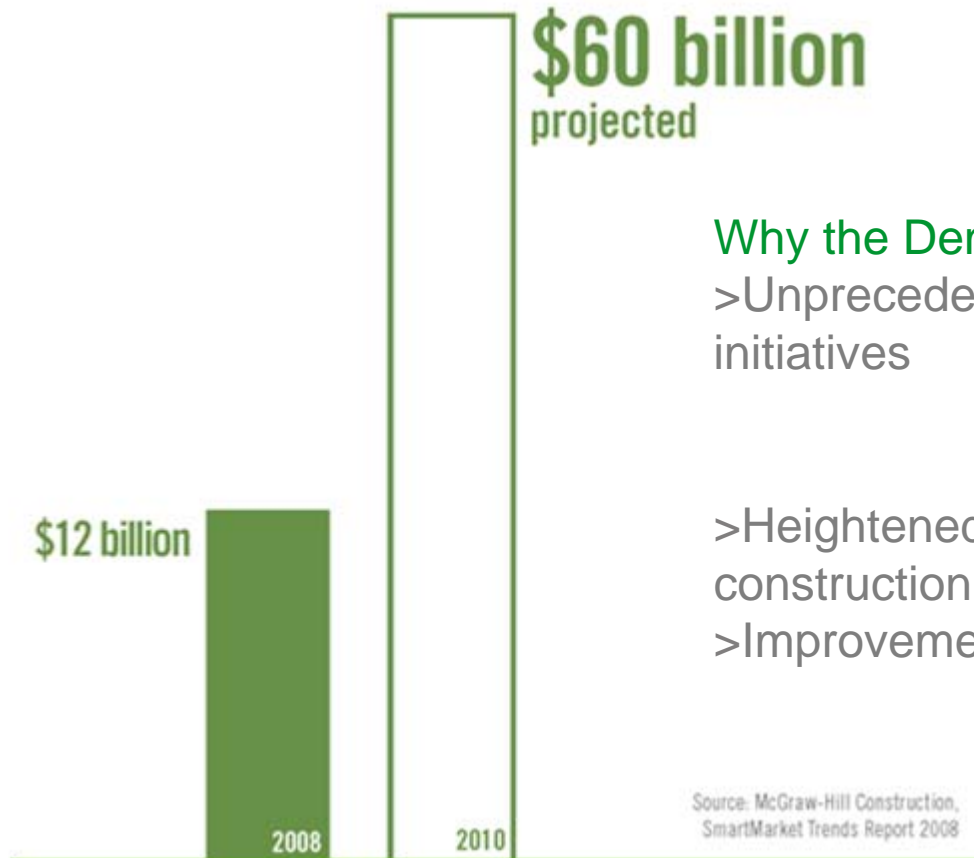


JCI/IFMA/ULI 5<sup>th</sup> Annual Global Energy Efficiency Survey of 4,000 building owners (released 6/17):

- **Energy management is important: 70%** of managers
- Primary motivation: **energy cost savings**
- **Average energy reduction target: 12%**
- **>10% energy price increase: expected by 80%** of owners
- **39% of building owners: plan to pursue green certifications for existing buildings in the next year**

Source: Current Trends in Green Real Estate, *Copyright 2011 CoStar Group, Inc.*

# Green Buildings are in Demand



## Why the Demand?

>Unprecedented level of government initiatives



>Heightened residential demand for green construction

>Improvements in sustainable materials

# Doing nothing costs money



Healthcare organizations spend over **\$8.8 billion\*** on energy each year, and that amount is rising to meet patients' needs

- Every \$1 a nonprofit healthcare organization saves on energy is equivalent to \$20 in new revenues for hospitals or \$10 for medical offices \*\*
- For profit hospitals, medical offices, and nursing homes can boost earnings per share by a penny by reducing energy costs just 5% \*\*

**As financial pressures increase, energy savings becomes an easy win with an immediate payback**

\*Source: EIA, CBECS 2003, Adjusted for inflation to 2008 dollars

\*\* Source: Energy Star Healthcare Fact Sheet 2010

# What are your options?



Do nothing and watch my savings potential diminish



Conduct a one-time energy audit to identify possible savings; however you'll still need a way to maintain, measure, and verify your Energy Efficiency investments



Use my existing building or power management systems for analysis and reporting which could be time consuming and onerous



Subscribe to Schneider Electric's **Struxureware Energy** remote monitoring service and access actionable energy information when and where you need it without having to support and maintain costly IT infrastructure

# What is Struxureware Energy?

- Web hosted Energy Management Information System (EMIS), centralizing key energy data in the Cloud for analysis, reporting and presentation on Energy Savings and Sustainability initiatives.
- 2 Services to meet our customers needs

## Energy Online

*For Facility & Energy Managers  
Who don't have the resources, experience or  
interest in managing an EMIS, but want  
energy information and reporting  
Our Solution is a hosted Energy Dashboard  
and Reporting Service  
That provides a dedicated Energy Portal with  
key reports and indicators on your energy  
performance and sustainability goals  
Unlike meter and monitoring software  
Our solution is a hosted service providing  
actionable energy information when and  
where you need it*

## Energy Advanced

*For Energy Managers & Sustainability Directors  
Who are looking for a flexible tool to identify,  
analyze, and report energy savings and  
sustainability achievements  
Our Solution is a hosted EMIS and Dashboard  
That provides fast and easy access to key  
energy information  
Unlike your existing building management or  
power monitoring system  
Our solution centralizes key energy data from  
multiple systems into a "single pane of glass" for  
energy performance analysis, reporting and  
presentation*



# StruxureWare Energy

Identify your Energy Savings potential  
and prove it



# Addressing Customers Challenges

- 1** Focus on analysis  
Not on collecting energy data!
- 2** Change the behaviors  
of the end users
- 3** Evaluate the effectiveness of  
energy action plans

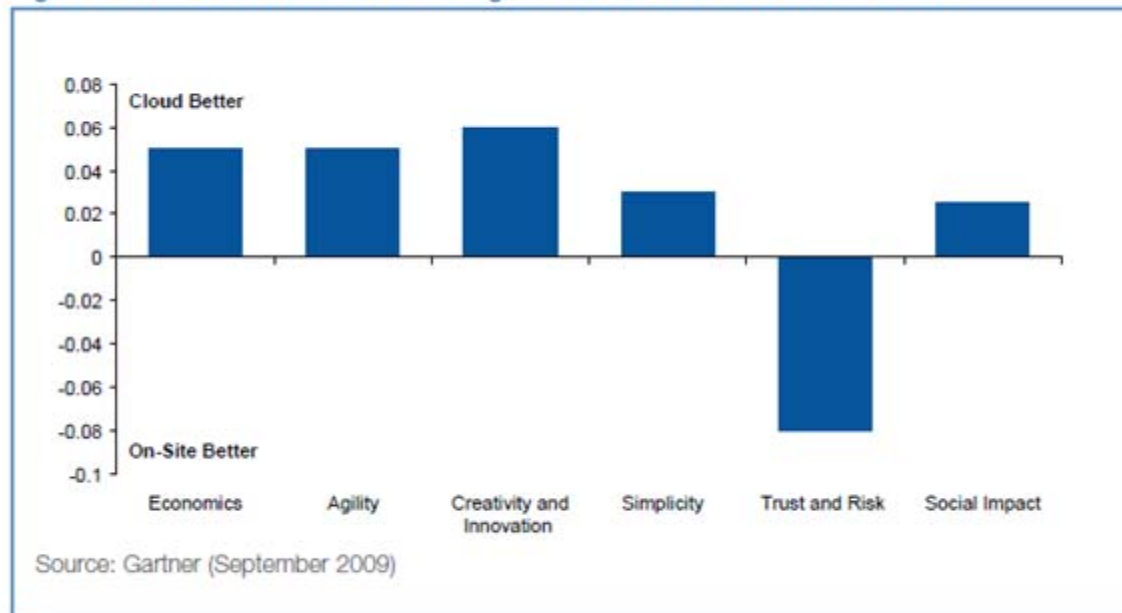


# It's not software, it's a Service

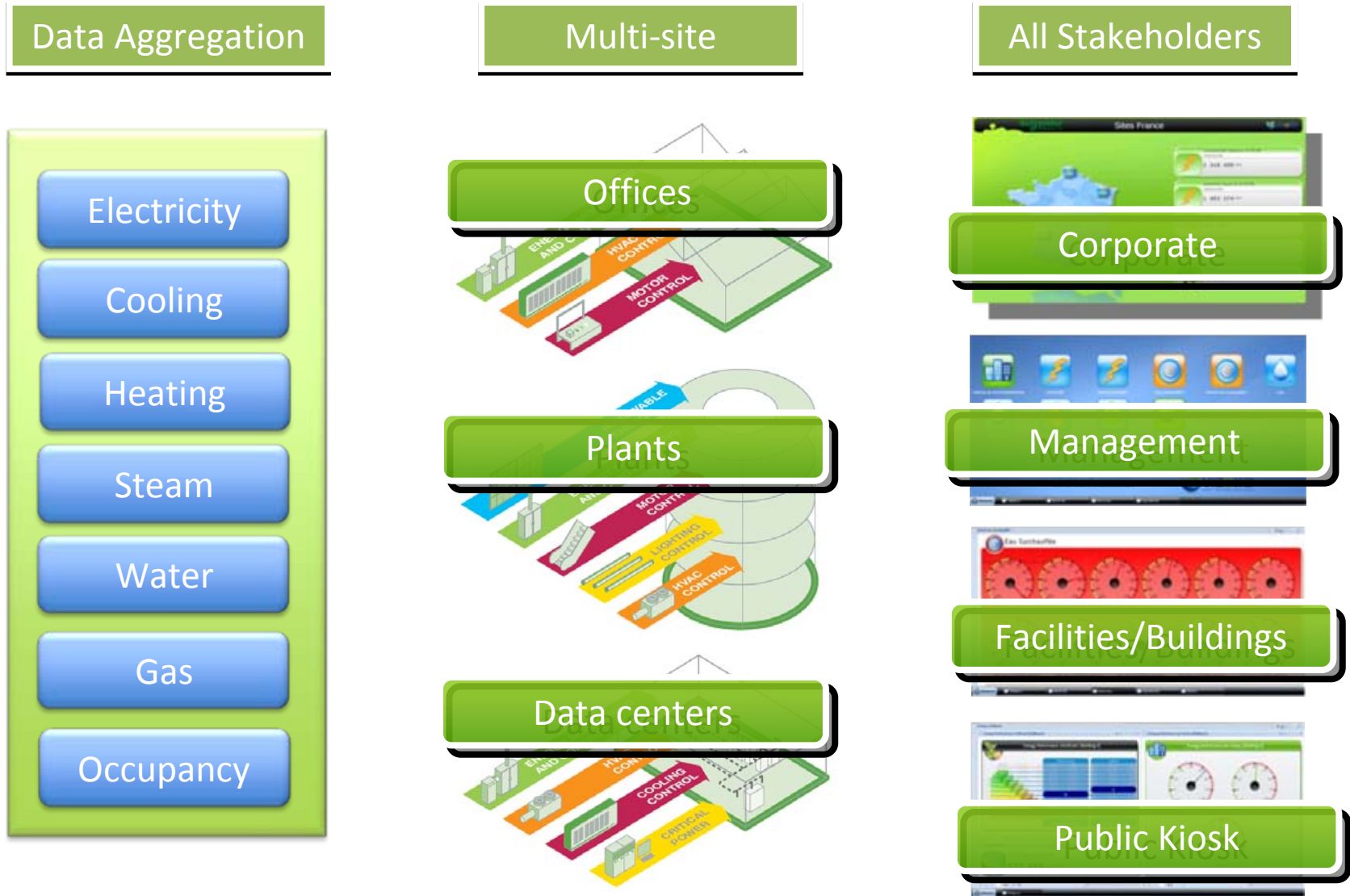
## Benefits of a hosted Service

- > Lower total cost of ownership (TCO) – profit margin
- > Business agility to scale with your business needs
- > Access to latest technology – stay up to date and current
- > Ease of use and simplicity of access – pay for what you use

Figure 3. Which Cloud Features Provide Higher or Lower Value Than On-Site Ones?



# A True Energy Management Information System

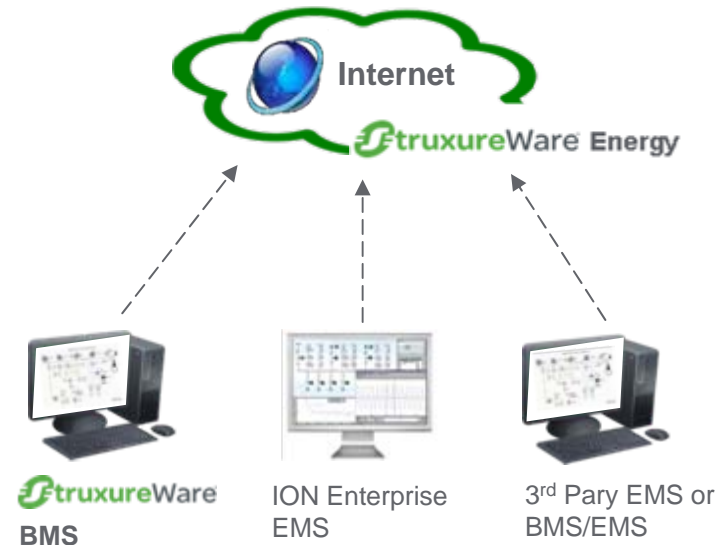


# Connecting to StruxureWare Energy

## Device Level



## System Level



# StruxureWare Energy Online



Identify energy waste in a single facility or across your enterprise

Automatically identify and quantify cost savings opportunities

Determine your CO<sub>2</sub> baseline, establish targets, and monitor your improvements

Validate your utility bill, analyze hours of peak demand, and understand hidden charges

# EtruxureWare Energy Advanced

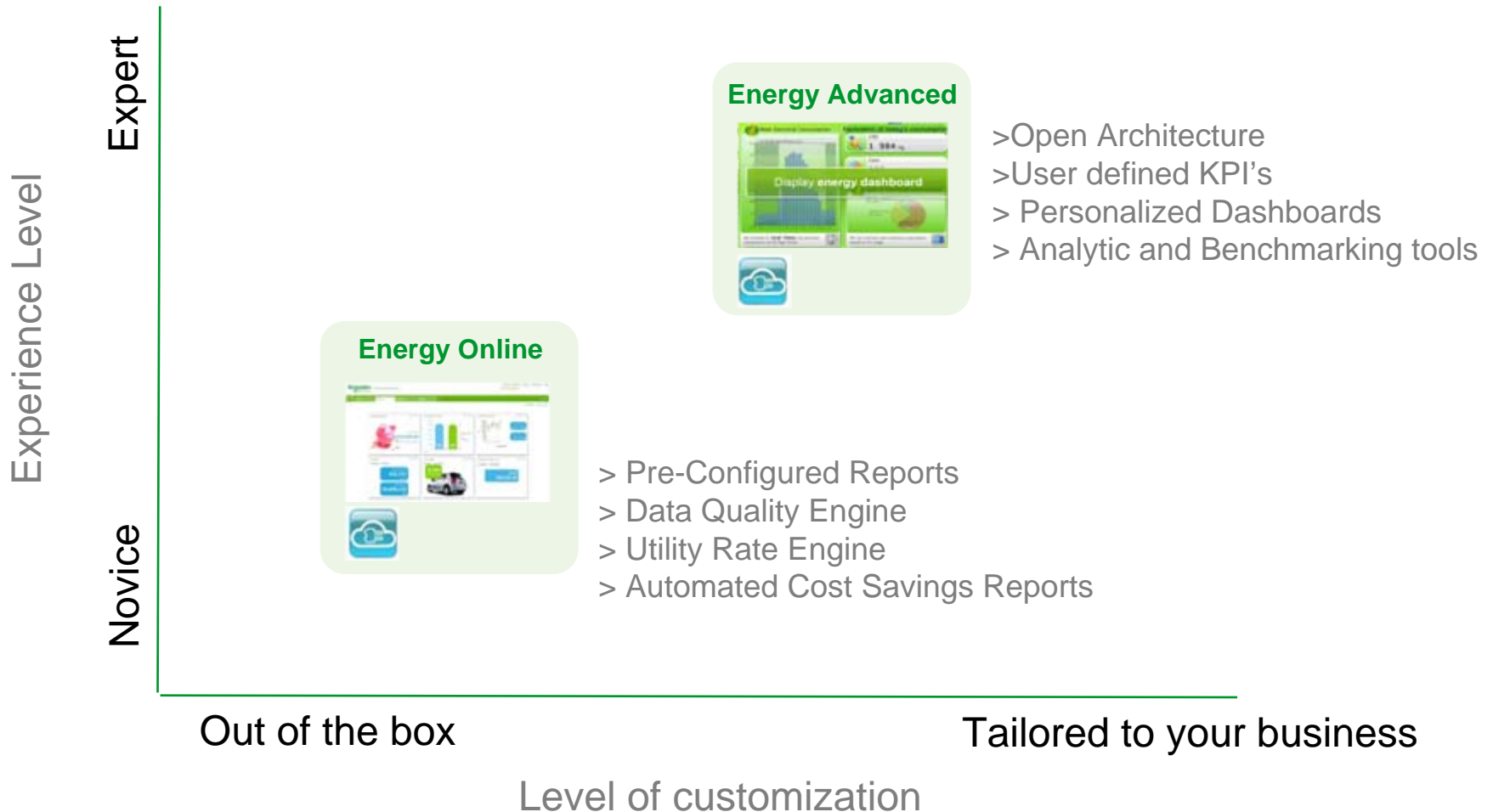


Single pane of glass for energy performance analysis, reporting and presentation

Validate the effectiveness of your energy efficiency investments

Communicate energy efficiency and sustainability achievements via an attractive Energy Kiosk

# Where do I start?



# Benefits of EtruxureWare Energy

- **Focus on analysis** not on collecting energy data!
- **Change the behaviors** of end users and employees
- **Evaluate the effectiveness** of energy action plans

# Examples



# Energy Advanced

## Earth Rangers Green Building



Power monitoring



ION-e



HVAC control



Continuum



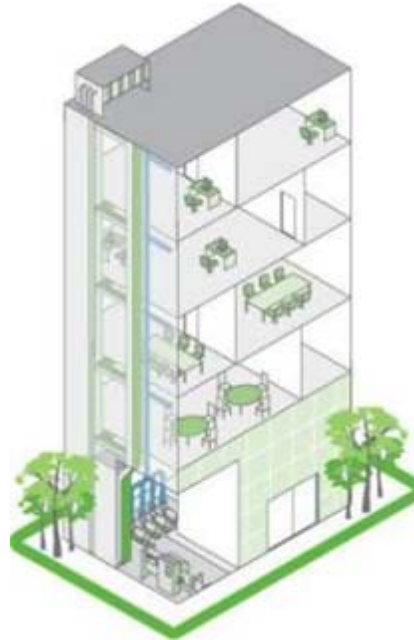
Lighting control



Video surveillance



Uninterruptible  
power supply



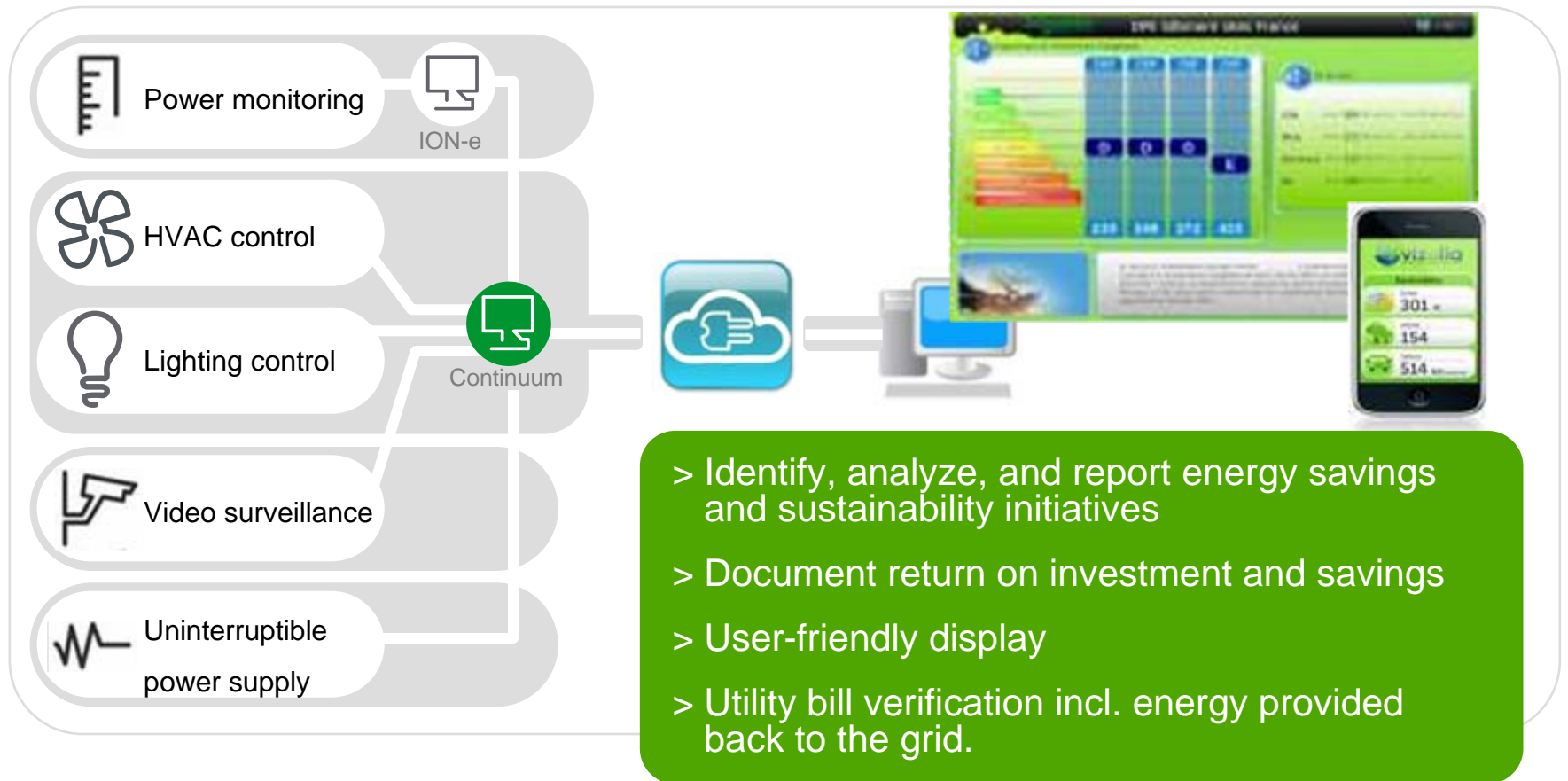
Earth Rangers

60,000 sqft Building

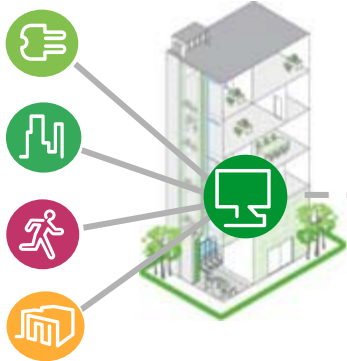
### Challenges

- > Separate Building and Power Management systems
- > Manual reporting in Excel file for facility energy scorecard
- > Too technical Human Machine Interface
- > Need for utility bill verification

# Solution Overview



# Solution Benefits



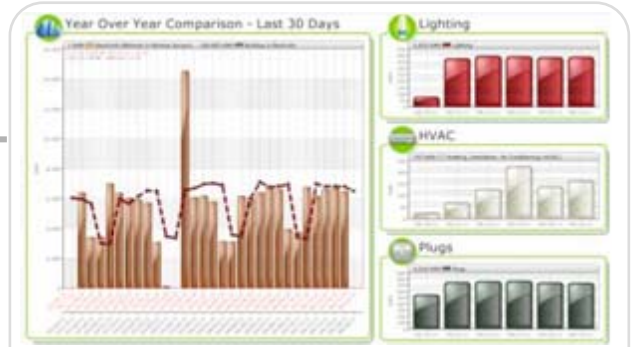
Easier and faster access to information:  
- Integrated site supervision  
- Deeper & finer energy analysis for decision making

Attractive, easy communication on Earth Rangers' mission and achievements for visitors

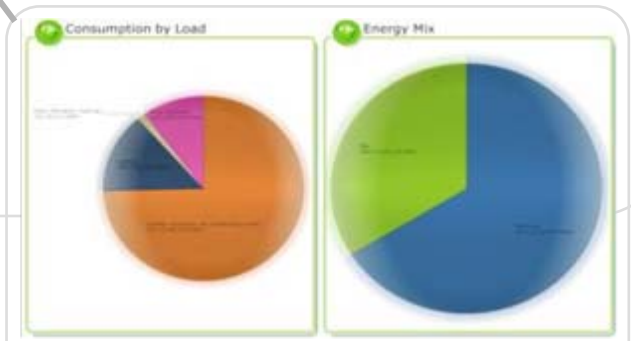
Cost Effective as paying for the Service not the Software and Maintenance



Calculate Equivalents



Energy Analysis Views



Energy Analysis by Load Type

# Make the most of your energy™

