

Febr. 2013  
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EMEA Datacenter-Systems-DCIM

# Introducing eco\_DC\_Expert Group to Decathlon™

# ABB Data Center Landscape

## News:

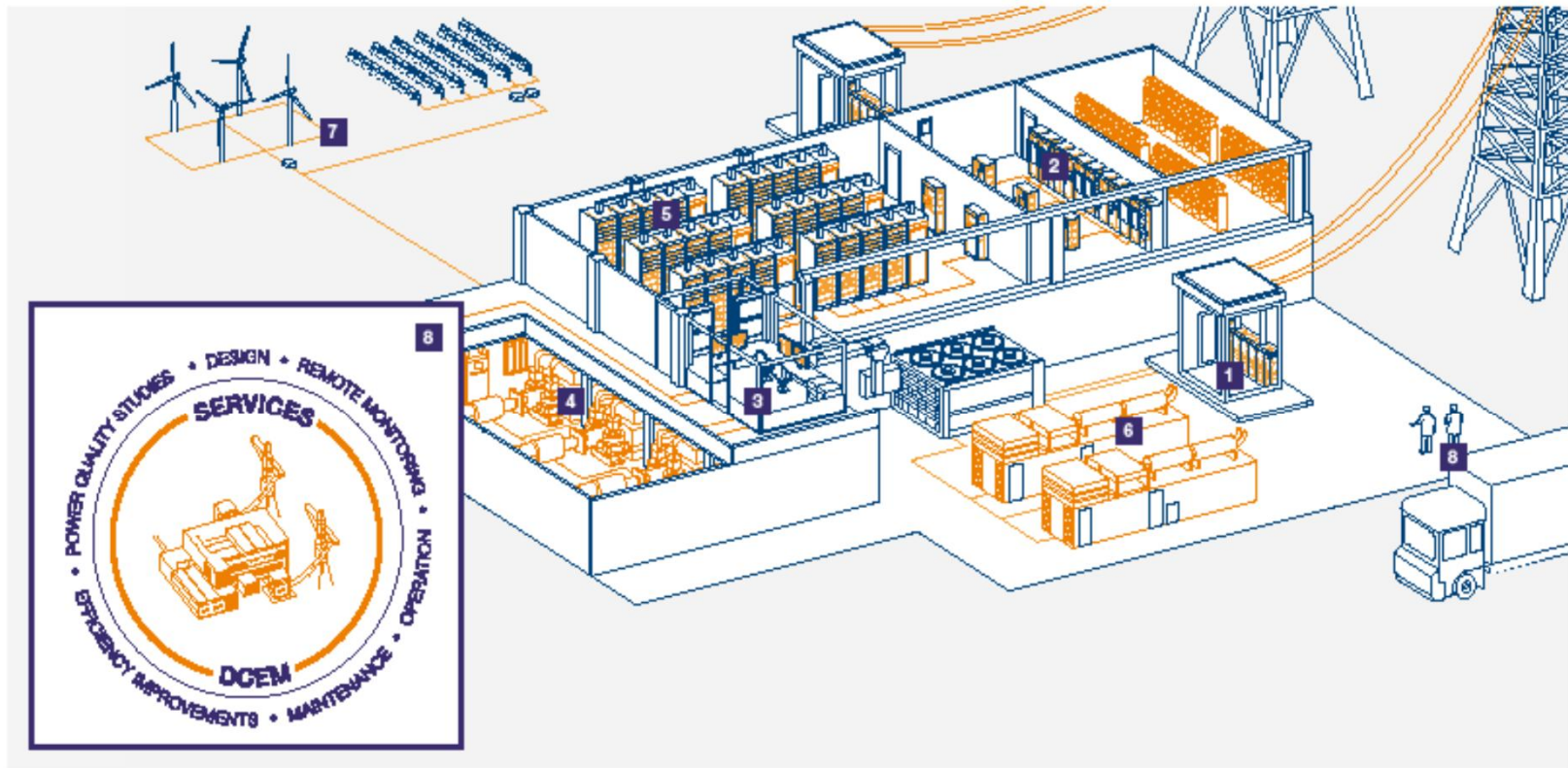
- ABB ranked #1 Smart Grid company to watch: [smartgridnews.com](http://smartgridnews.com)
- 451 group “ABB is taking the approach of integrating best-in-class software by combining their real time power and control with nlyte”

## About us:

- \$48B, NYSE, 135,000 people in 100 countries

## Relevant Investments & Acquisitions

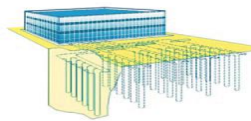
- Ventyx
- Powercorp
- Newave UPS
- Validus DC
- Power Assure
- Thomas & Betts – incl JT Packard



# ABB value proposal for Data Centers

Integrating Renewables, Power, Automation technologies and Services

## DC Renewables

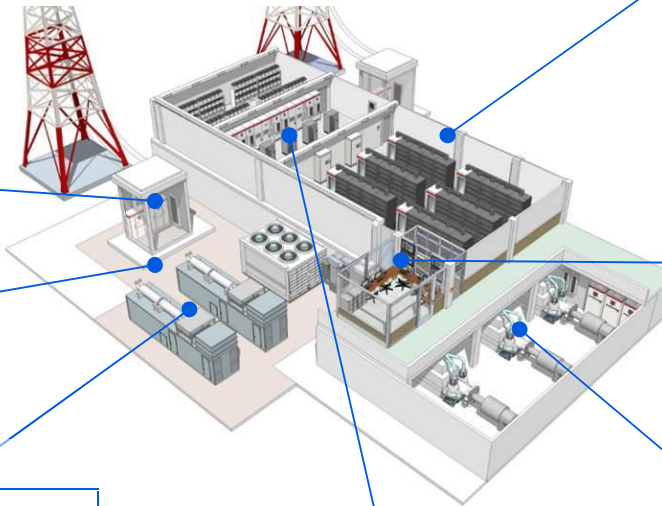


## MV power distribution

- MV switchgear
- Protection relays
- Distribution transformers
- Active voltage conditioning
- Network mgmt SCADA
- Data communication

## HV Substations

Turnkey solutions



## LV power distribution

- LV switchgear
- Intelligent PDUs
- Active filters
- Power factor correction
- Network analyzer
- Data communication

## Data Center Infrastructure Management

- Decathlon™
- IT Optimization
- Asset optimization
- Security System
- Instrumentation
- Analytic
- Data communication

## UPS

- Static solutions
- Diesels & Generators of your choice
- UPSs & Batteries

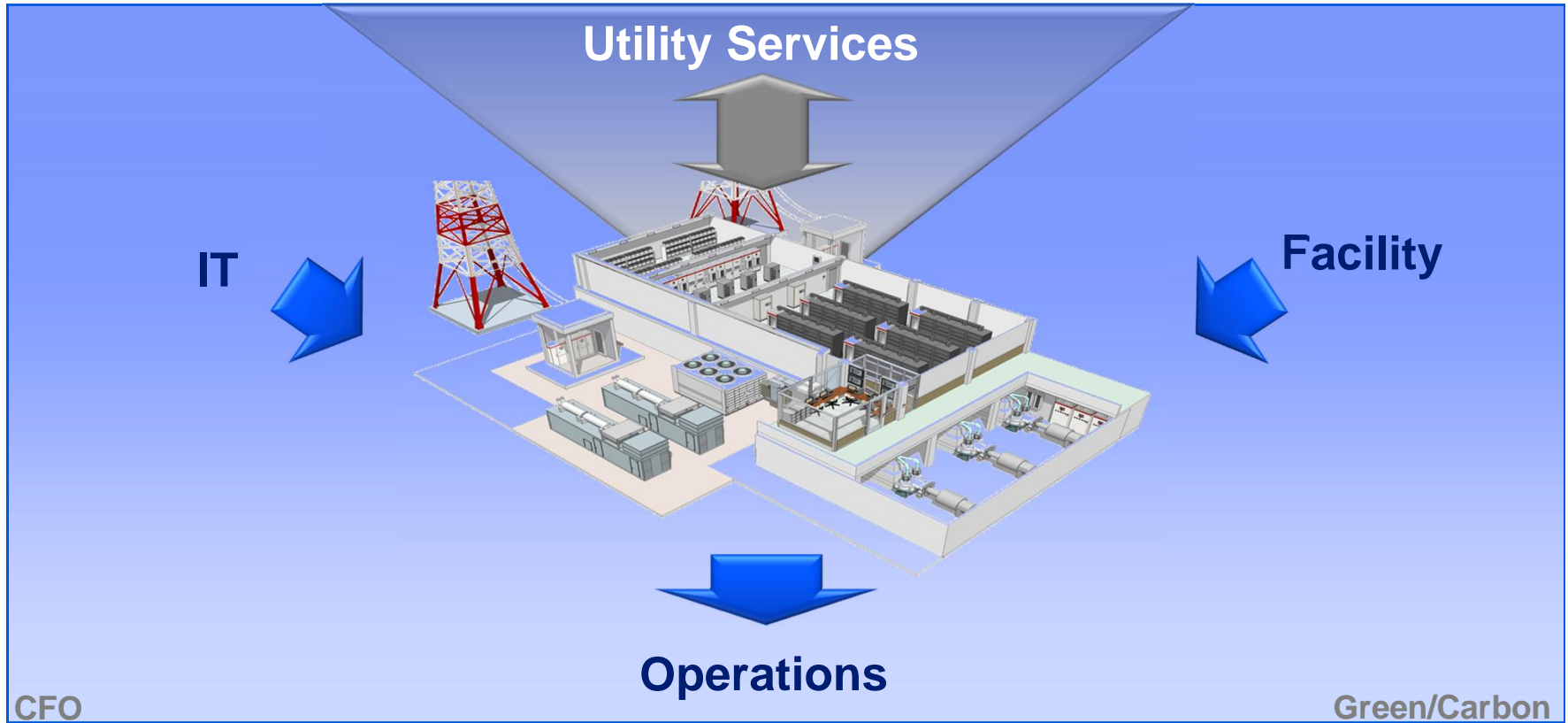
## Power quality

- Harmonics Active Filters
- Power factor correction
- Active Voltage Conditioner

## HVAC solutions

- Seawater Cooling
- Mechanical cooling
- Free Cooling
- EFF1 electric motors
- Variable speed drive
- Components for control panels
- PLCs
- Data communication

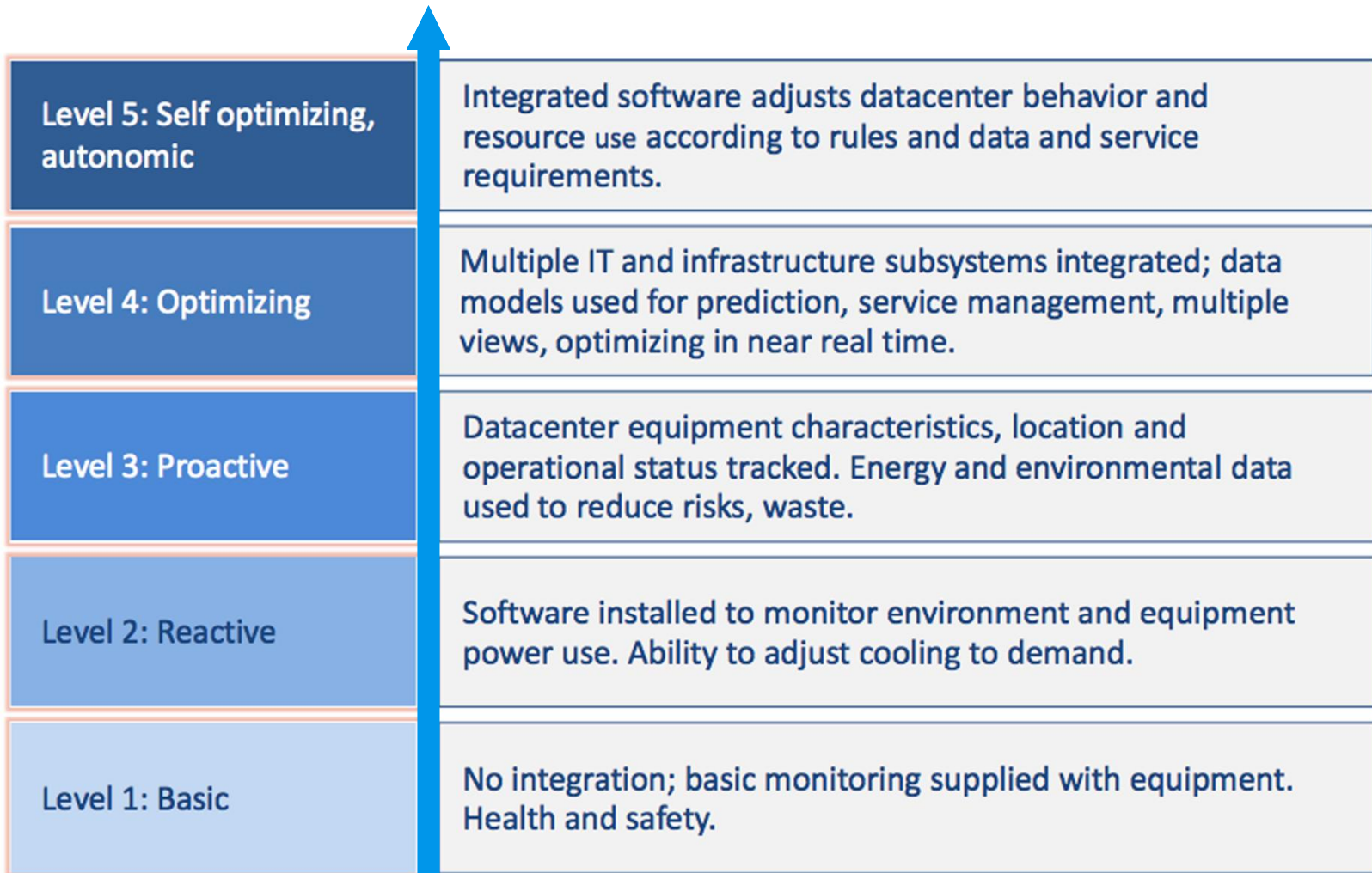
# Data Center "Participants" / Management Today



## Key Measure: Application Service Levels

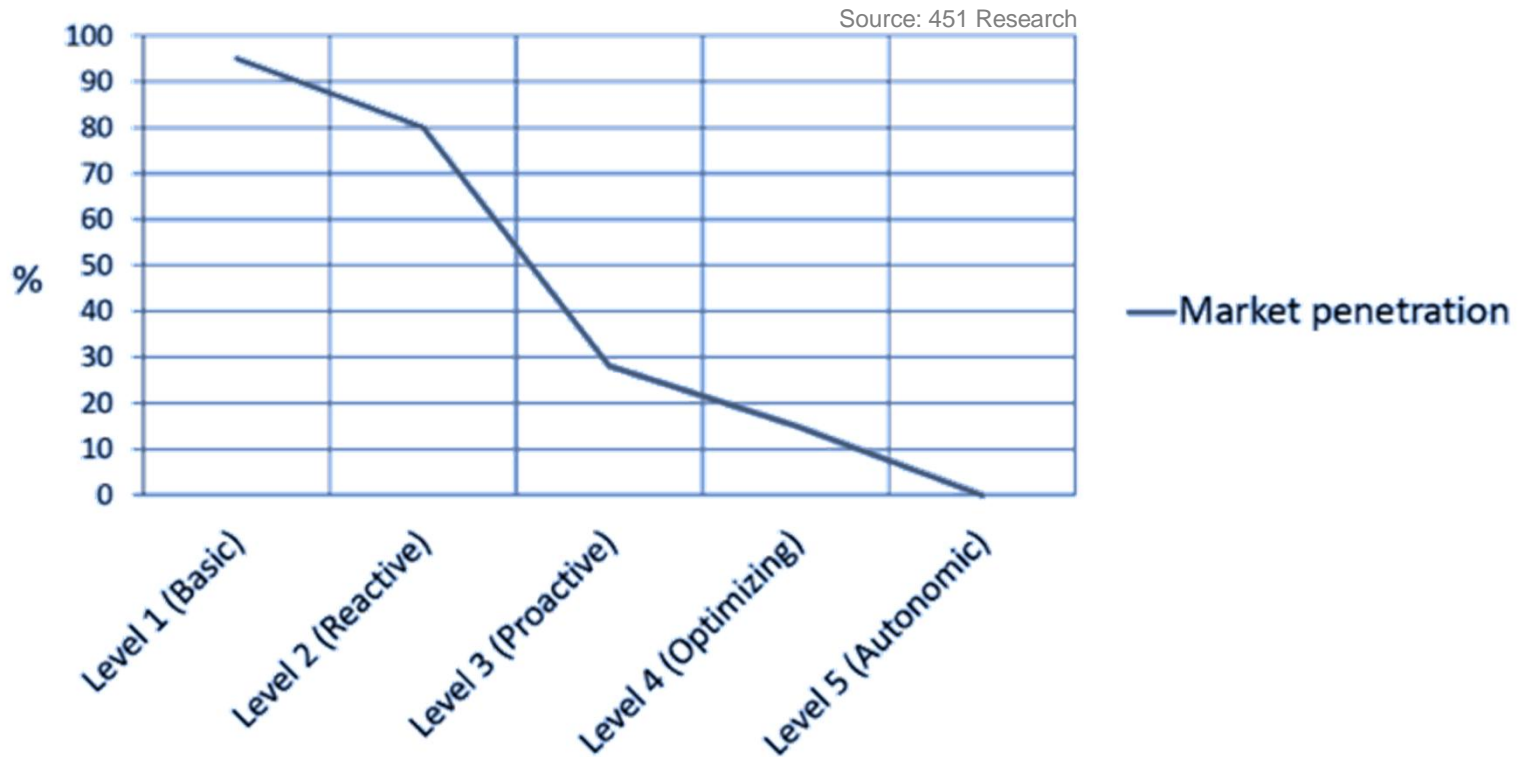
Based on: Efficient Use of Assets

# DCIM Maturity Model



Source: 451 Research

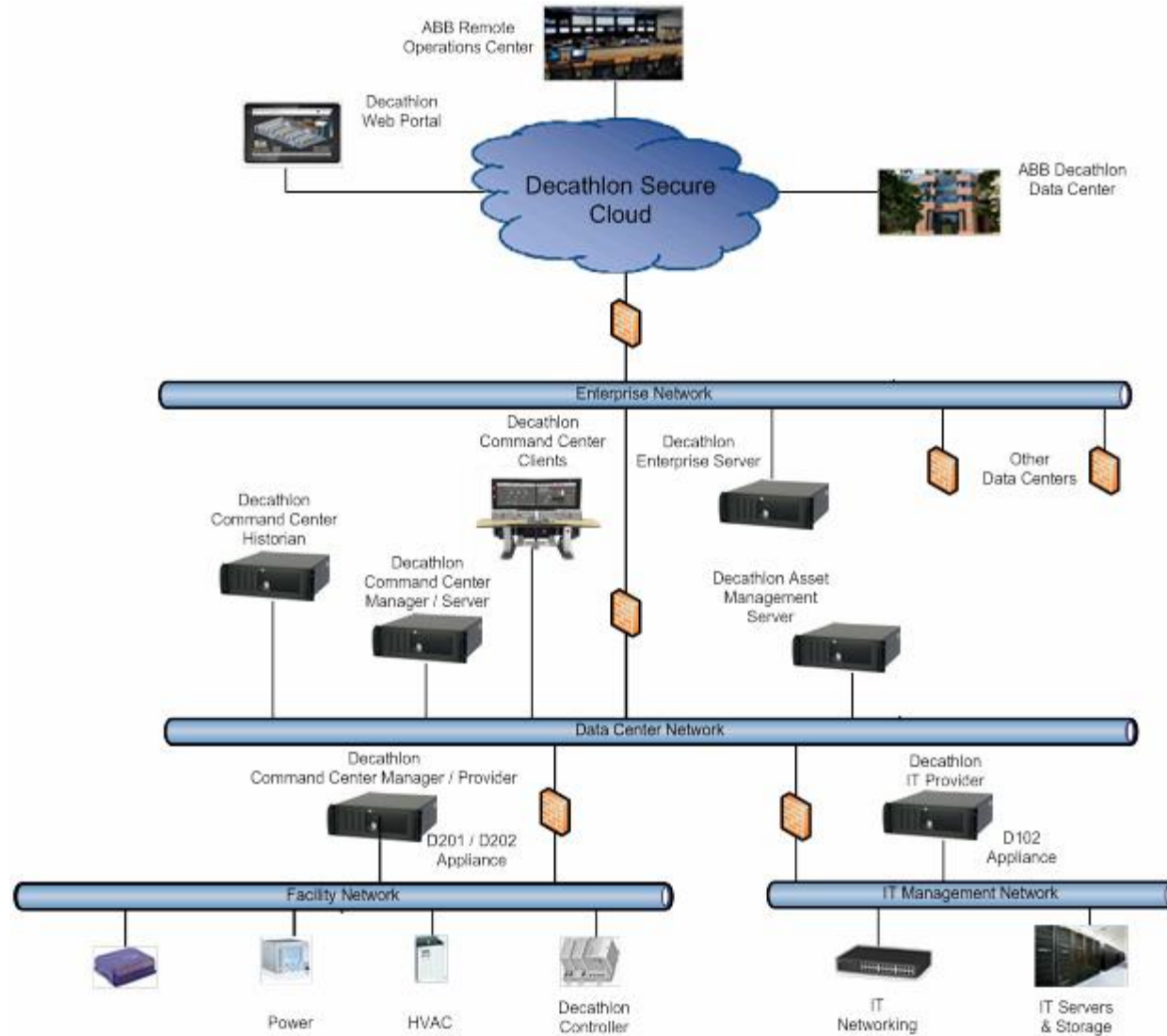
# DCIM Market Penetration



# Decathlon Video

<http://youtu.be/E9h3b6ociSU>

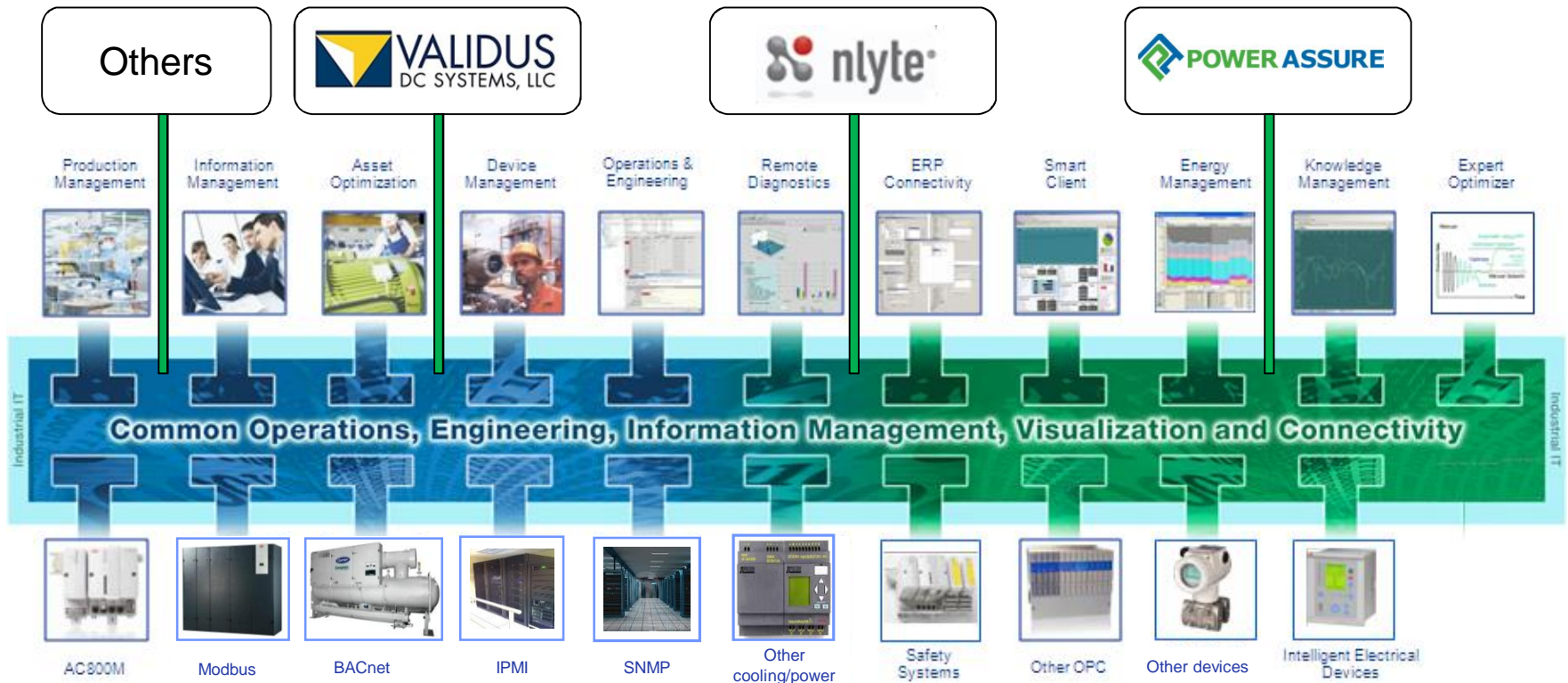
# Decathlon Integration Topology





# Decathlon Integration Platform

## Promoting collaboration



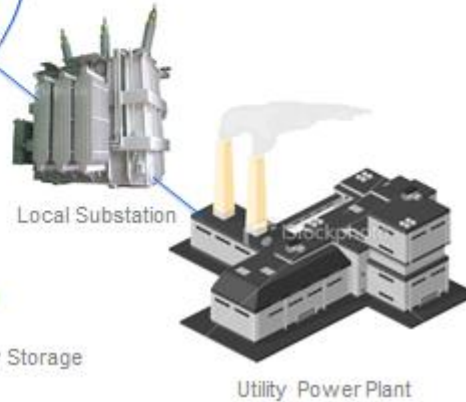
Data that comes from various sources can be accessed by multiple applications without separate interfaces!

# ABB's Innovations Only with Decoupling?

## 1. Supply side innovation



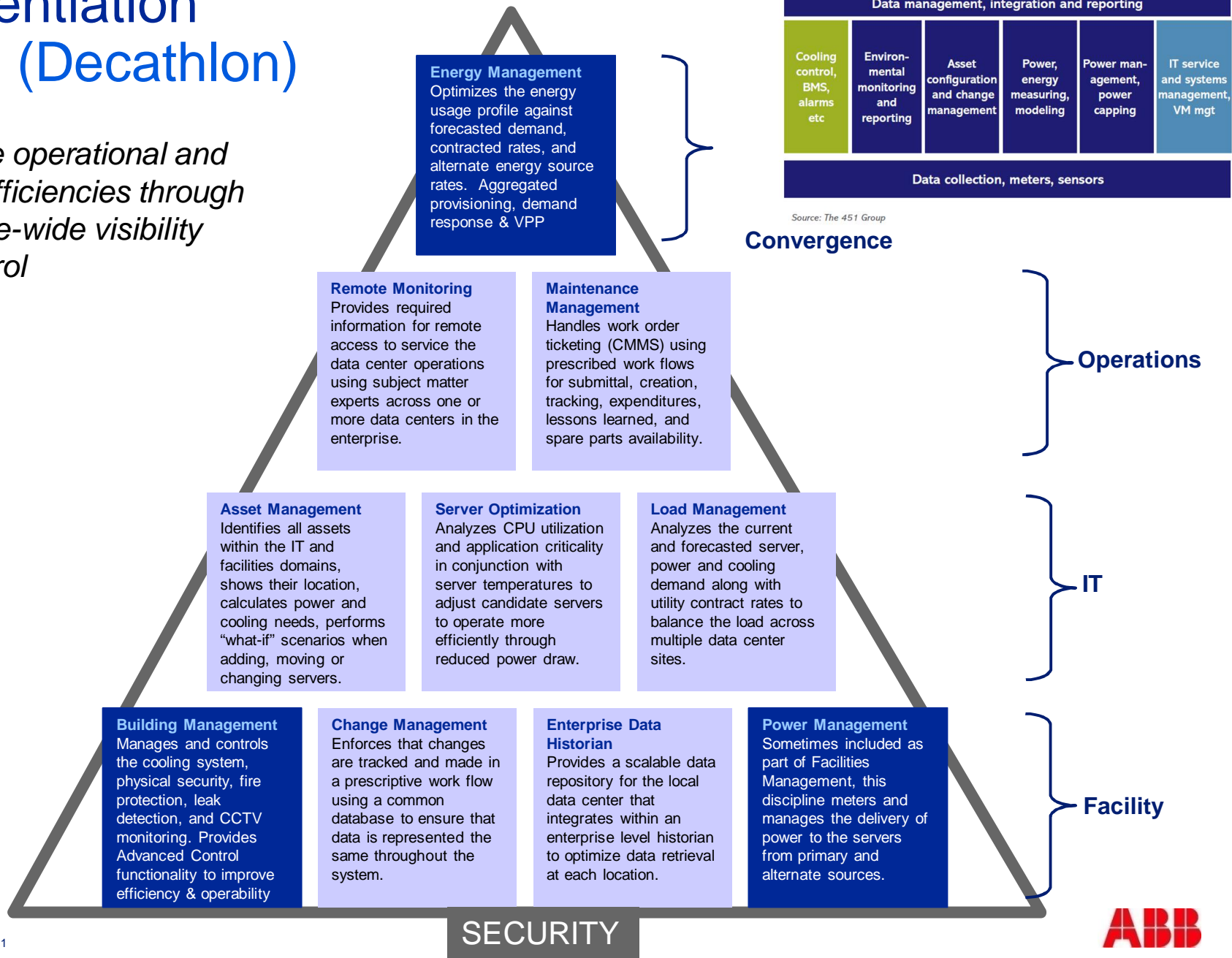
## 2. Demand side innovation



## 3. Integrated DCIM capability

# Differentiation DCIM (Decathlon)

*Maximise operational and energy efficiencies through enterprise-wide visibility and control*



Power and productivity  
for a better world™

