Energie-Network-Lunch mit Schneider-Electric, 28.September

Patrik Kamber
Sales Manager Schneider Electric IT
Restaurant "Au Premier" im Hauptbahnhof



Schneider Electric – the global specialist in energy management

22.4

billion € sales (last twelve months)

39%

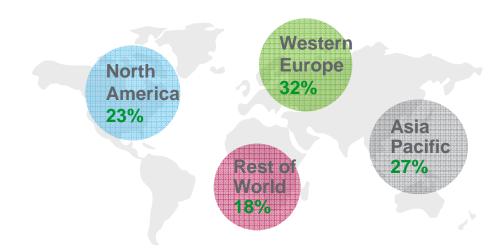
of sales in new economies (last twelve months)

130000+ people in 100+ countries

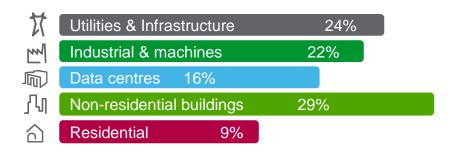
4-5%

of sales devoted to R&D

Balanced geographies – FY 2011sales

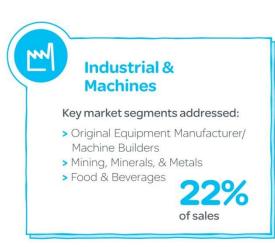


Diversified end markets – FY 2011 sales



Schneider Electric Markets













The energy dilemma is here to stay

The facts

The need

VS

Energy demand
By 2050
Electricity by 2030
Source: IEA 2007

The need

CO₂ emissions to avoid dramatic climate changes by 2050

Source: IPCC 2007, figure (vs. 1990 level)

Frequent power outages

Rising energy prices

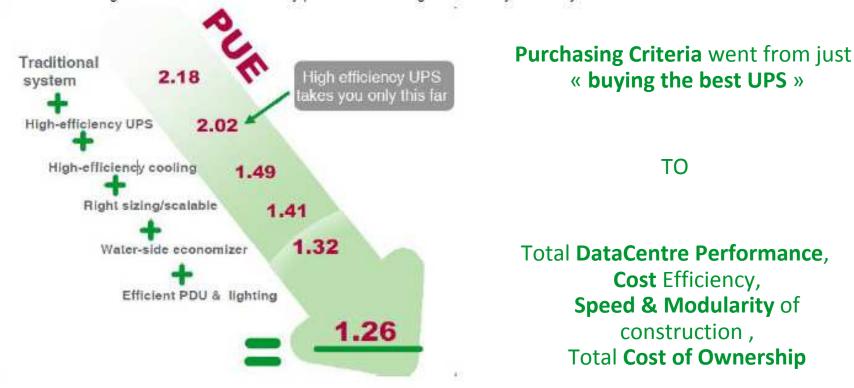
Climate change

Conflicts for resource access & control

It is not enough to look at Efficient Components any more...

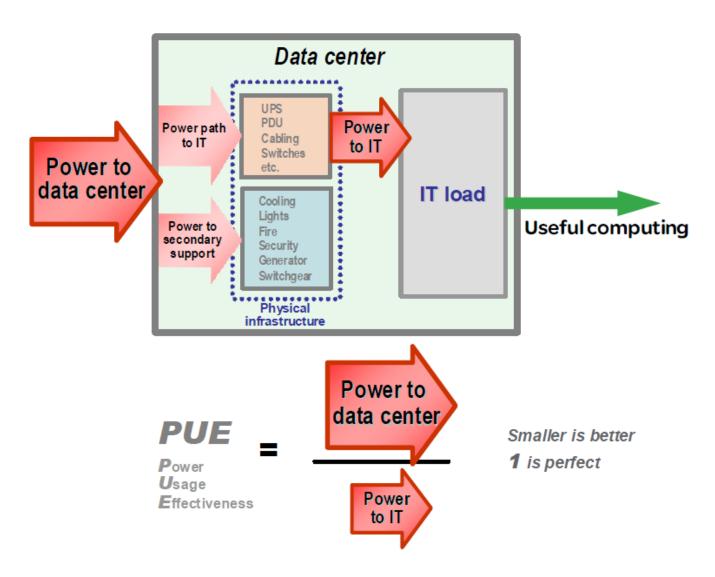
Figure 25: Optimization of Datacenter components and control can reduce energy consumption substantially

PUE= Power Usage Effectiveness -> electricity pulled down from grid divided by electricity fed into server



Source: Schneider Electric.

PUE what?



Benefits of Containment - Row Cooling

First Cost

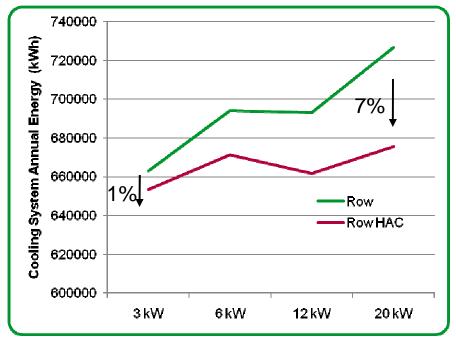
- Increased Capacity and Improved Capture Index
- Reduced Equipment and Installation costs

Operating Cost

- Reduced number of units operating at elevated utilization (increased fan speed)
- Fixing the number of cooling units between open and HAC further increases efficiency







Includes Unit fan power, chiller, and pumps

Lifecycle solutions for Energy Efficiency (Schneider Electric Offering)

Energy Audit

& Measure

building, industrial process...



Fix the basics

Low consumption devices, Insulation material Power factor

correction...

Optimize through Automation and regulation

HVAC control, lighting control, variable speed drives...

Monitor, maintain, improve

Meters installation
Monitoring services
EE analysis software...

Passive Energy Efficiency

ActiveEnergy Efficiency



Control

Improve

Useful Links

www.schneider-electric.com

www.apc.com

http://tv.schneider-electric.com

http://www.apcmedia.com/salestools/WTOL-85MM85_R0_EN.pdf

http://www.apc.com/prod_docs/results.cfm?DocType=White%20Paper&Query_
Type=10

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