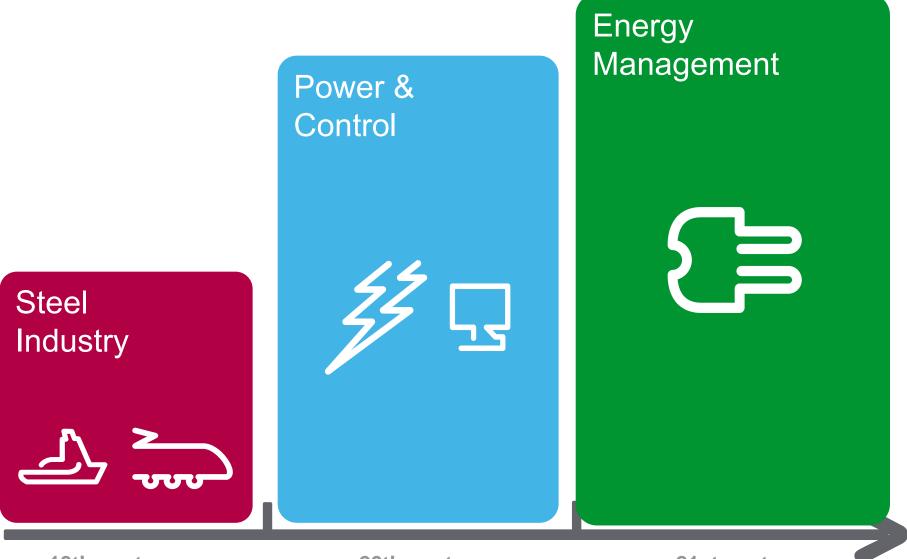
# Make the most of your energy<sup>TM</sup>



### More than 175 years of history



# Schneider Electric - The Global Specialist In Energy Management

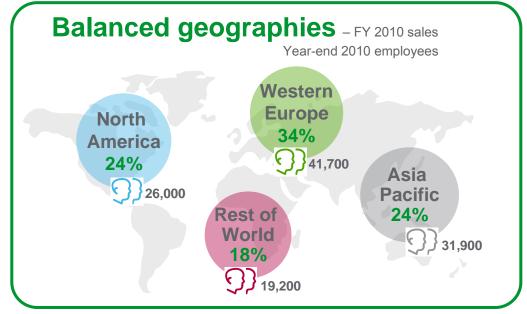
27 billion \$ sales in 2010

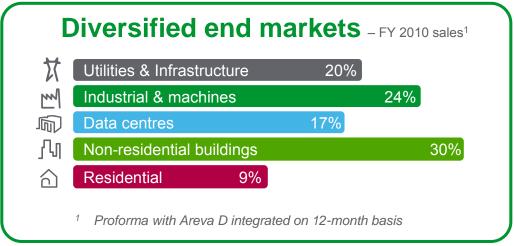
37% of sales in new economies

**110 000+** people in 100+ countries

4-5% of sales devoted to R&D

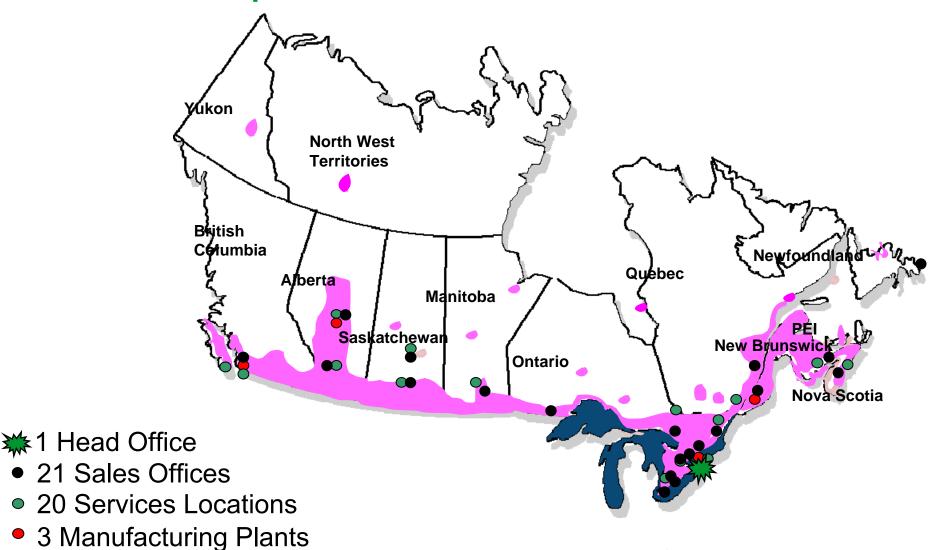
7000+ R&D engineers in 50 centres & 25 countries





#### Canadian presence

300 Distributor Locations



**Populated Areas** 

# Our Mission: Helping people make the most of their energy



#### The Global Specialist

#### in Energy Management

Energy production & transmission

## **Energy Management**

Energy Usage

- Wind energy
- ●Solar energy 💥
- Hydro
- •Biofuels
- •Hydrocarbons 📶
- Nuclear



- •Appliances 🖳
- Security



- Machines
- •IT servers



(A)

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...with 30-70% savings everywhere

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### The Energy dilemma



### The energy dilemma is here to stay

The facts



Energy demand
By 2050

Electricity by 2030

Source: IEA 2007

The need



CO<sub>2</sub> emissions to avoid dramatic climate changes by 2050

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

Frequent power outages

Rising energy prices

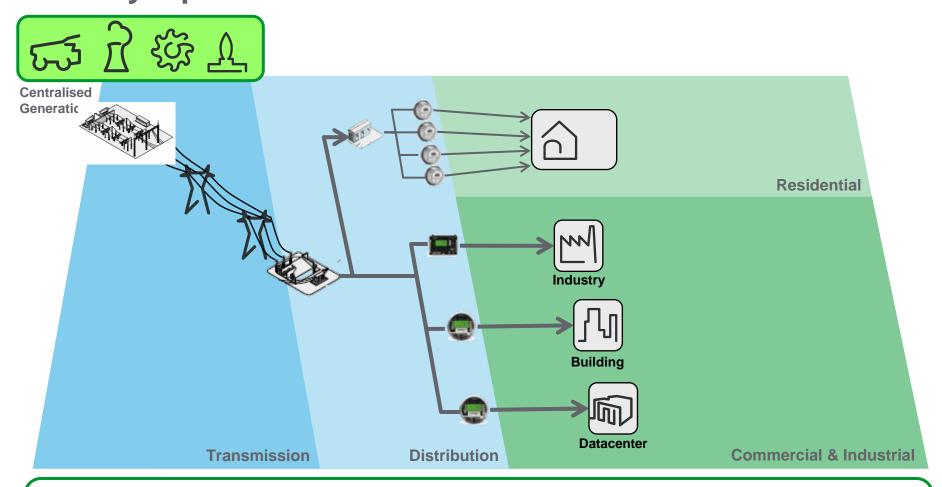
Climate change

Conflicts for resource access & control

## How do we do it?



## The Jurassic Grid old-style power distribution

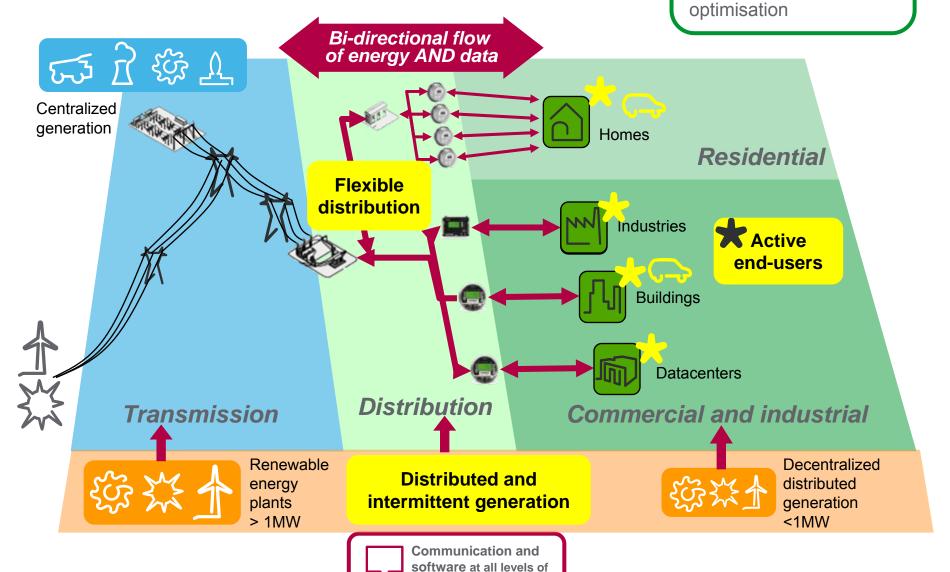


- Central production adapting to demand variation
- Top-down energy flow

- Production / consumption balance done by integrated utility companies
- Rather passive users

## Active energy management is about creating a smarter grid

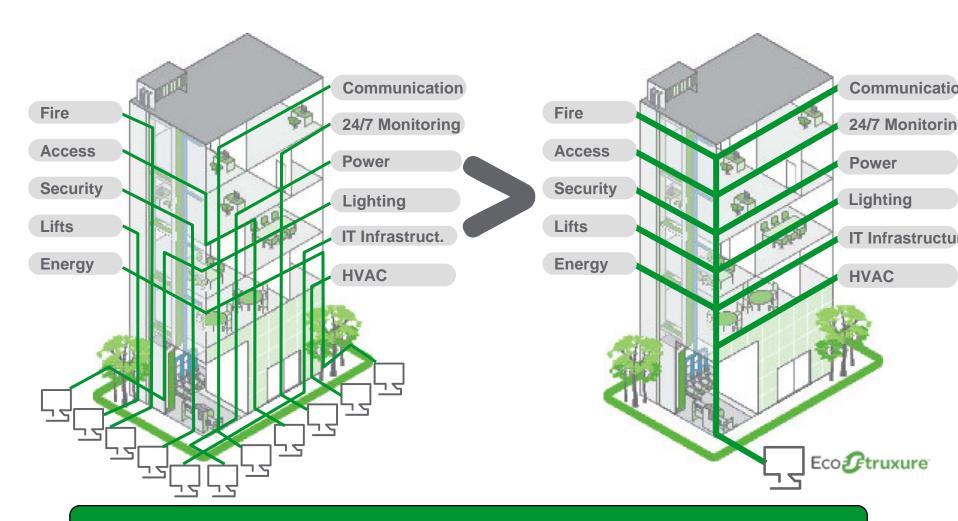
Demand / supply mgt :
Active Energy Efficiency
Energy visibility
Energy control &



the "Smart Grid"

#### From multi-silo to a single backbone

example: integrated systems in buildings



Up to 30% savings on Capex & Opex

# Sustainable development: Walking the talk



#### Worldwide commitments

- •World's first ISO50001 certified head office Schneider Electric
- Canada Green Building Council
- Global compact of the United Nations
- Head of Green Grid association
- Signing the Clinton Climate Initiative
- Partner of the Alliance to Save energy association



#### Respect for environment & community

- Adherence to standards like RoHS, REACH, WEEE
- Eco-design
- ISO14001 certification
- Habitat for Humanity



#### International Polar Foundation

 Providing simple and efficient energy management solutions for the Princess Elisabeth Antarctica "Zero emission" research station

# Make the most of your energy<sup>TM</sup>



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