

Siemens Global Sectors and Divisions

Industry

Divisions

- Drive Technologies
- Industry Automation
- Building Technologies
- Mobility
- Lighting (OSRAM)
- Industry Solutions



Energy

Divisions

- Fossil Power Generation
- Renewable Energy
- Oil & Gas
- Energy Service
- Power Transmission
- Power Distribution



Healthcare

Divisions

- Imaging & IT
- Workflow & Solutions
- Diagnostics



Business volume: 36 billion €

Employees: More than 73,000

Competencies bundled in new "Infrastructure & Cities" Sector





Mobility

- High-speed trains and light rail
- Traffic management and networking
- Postal and airport logistics



Smart Grid and Smart Consumption

- Modern energy management systems
- Automated power distribution systems
- Virtual power plants and micro-grids

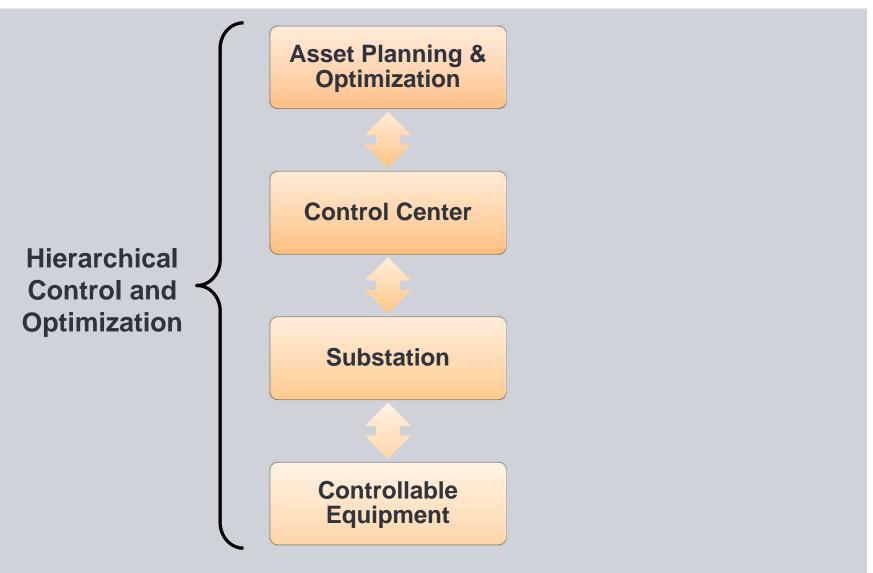


Building Technologies

- Energy-efficient building automation
- Fire protection and security systems

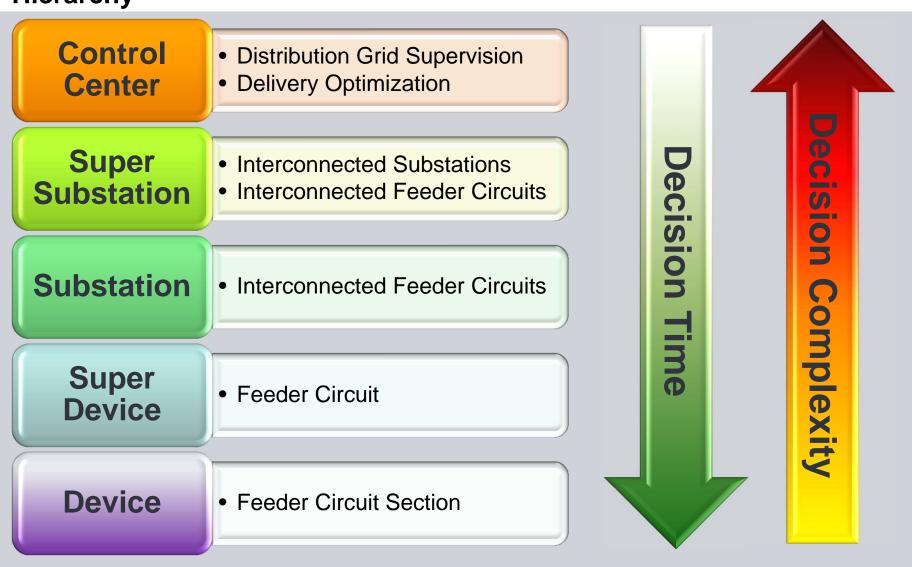


Vertically Integrated Solution



Clear Movement to Coordinated Decentralized Distribution Automation Decision/Control Hierarchy





Clear Movement to Coordinated Decentralized Distribution Automation Decision/Control Hierarchy





Control Center

- Distribution Grid Supervision
- Delivery Optimization



Super Substation

- Interconnected Substations
- Interconnected Feeder Circuits



Substation

• Interconnected Feeder Circuits



Super Device

• Feeder Circuit



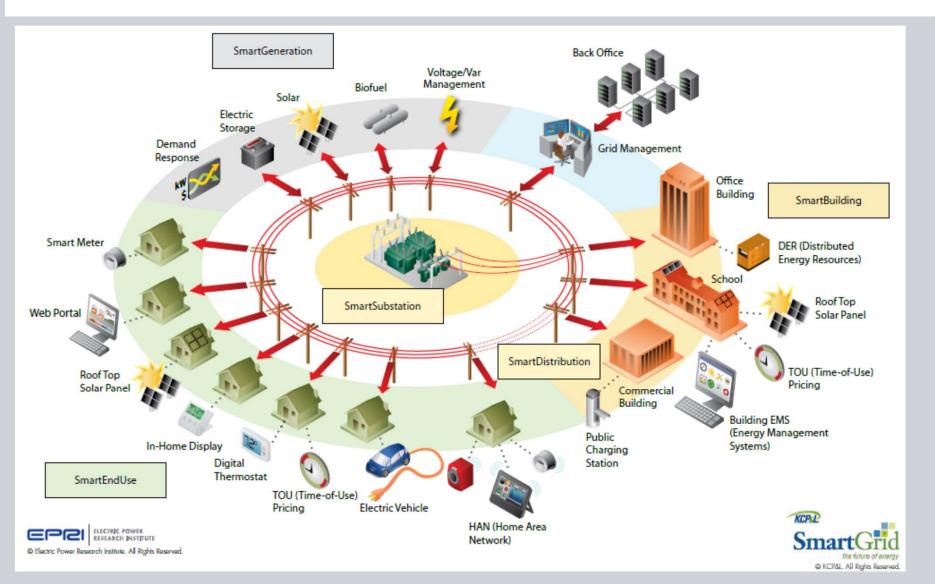
Device

• Feeder Circuit Section

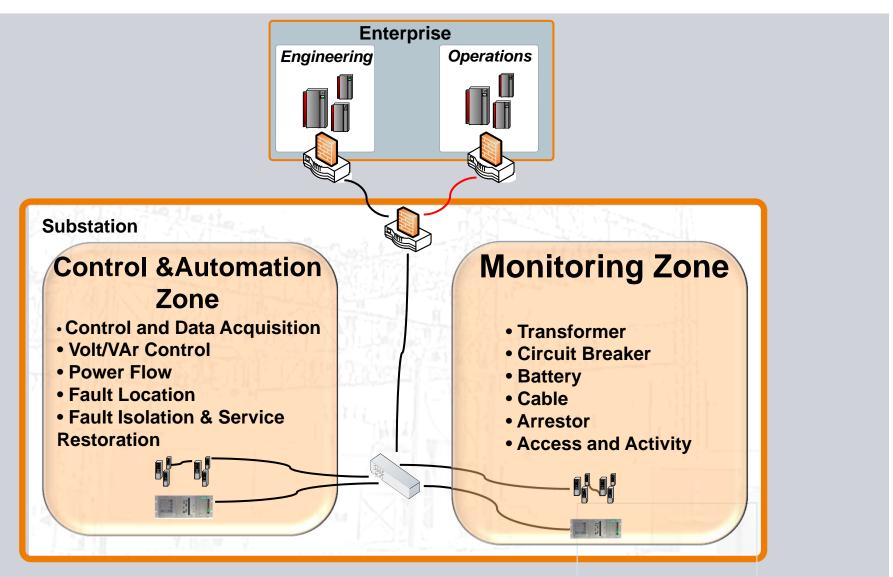


KCP&L ARRA DOE Smart Grid "Green Impact Zone"





Substation Modernization



Benefits to Consumers

Direct

- Increased reliability
- Decreased outage durations
- Improved power quality

Indirect

- Verify technologies essential to support deployment of renewable energy sources
- Facilitate expanding penetration of distributed energy resources
- Reduce dependence on fossil-fuel based generation

