Meter Data Management as Central Data Hub

Dr. Monika Sturm
Siemens AG Austria
Roundtable 6C

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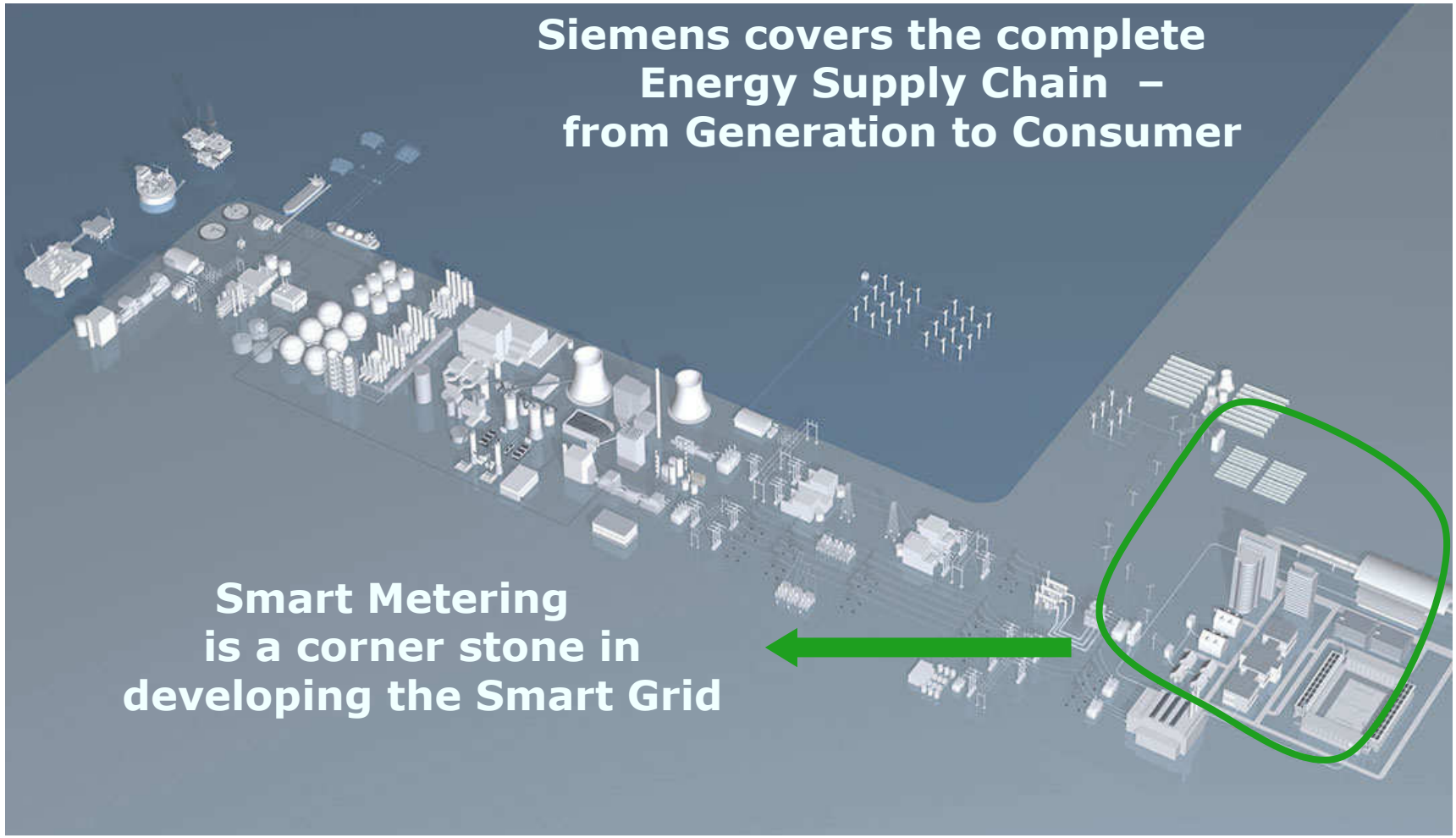
Future Electricity Grids Will Become „*Smart*“



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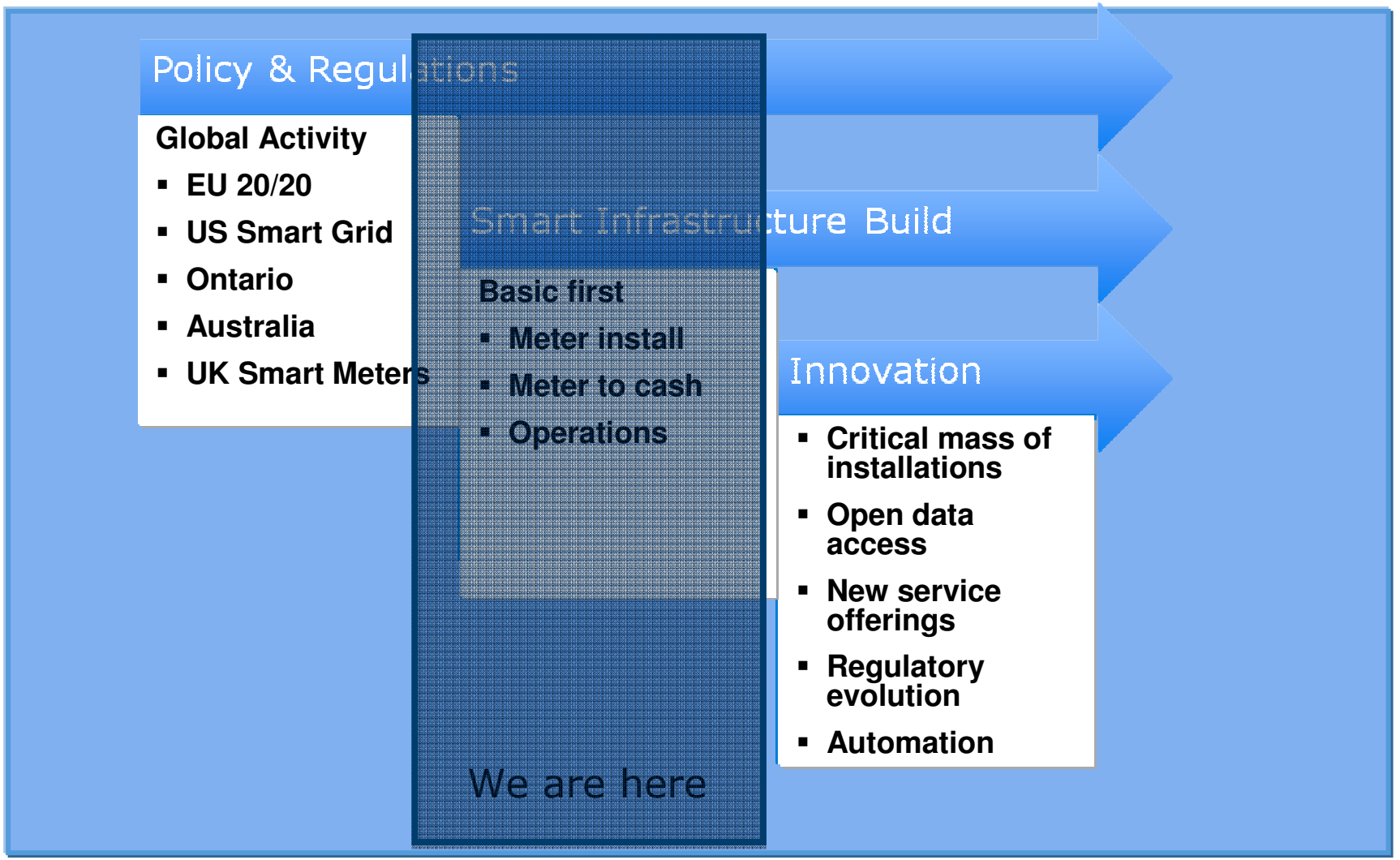
Smart Energy Evolution



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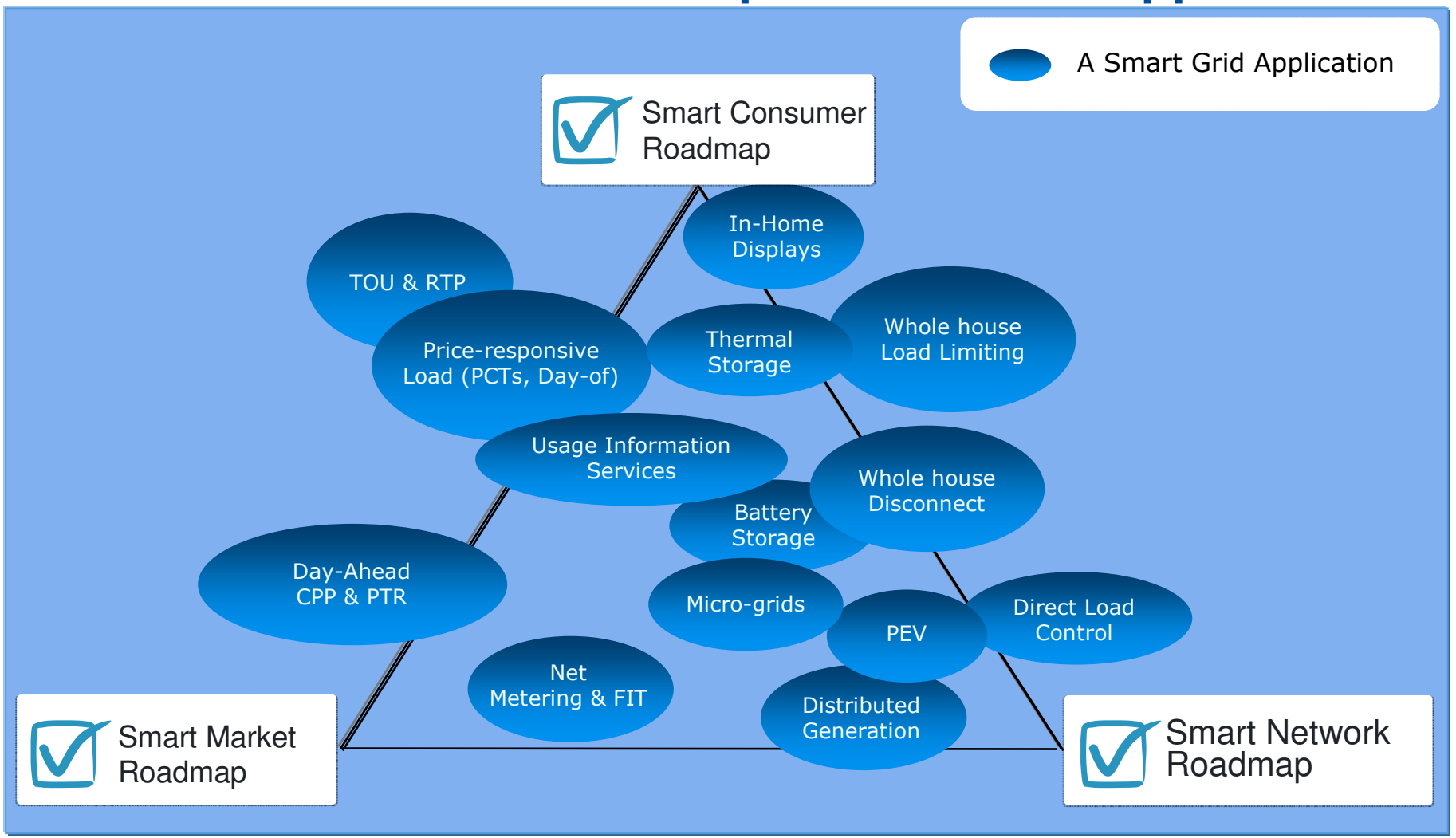
MDM as foundation for multiple Smart Grid Applications



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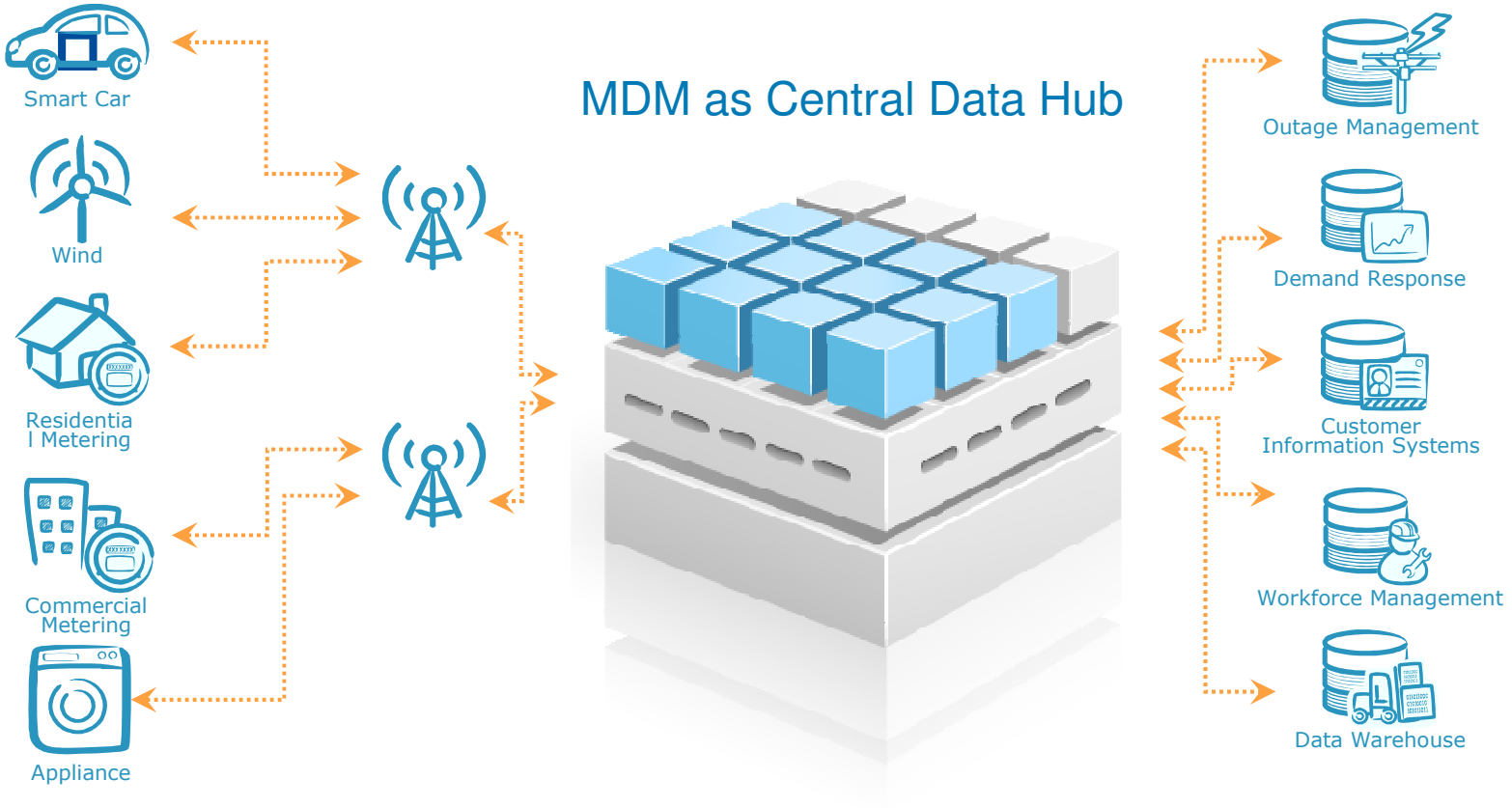
Future oriented MDM Architecture



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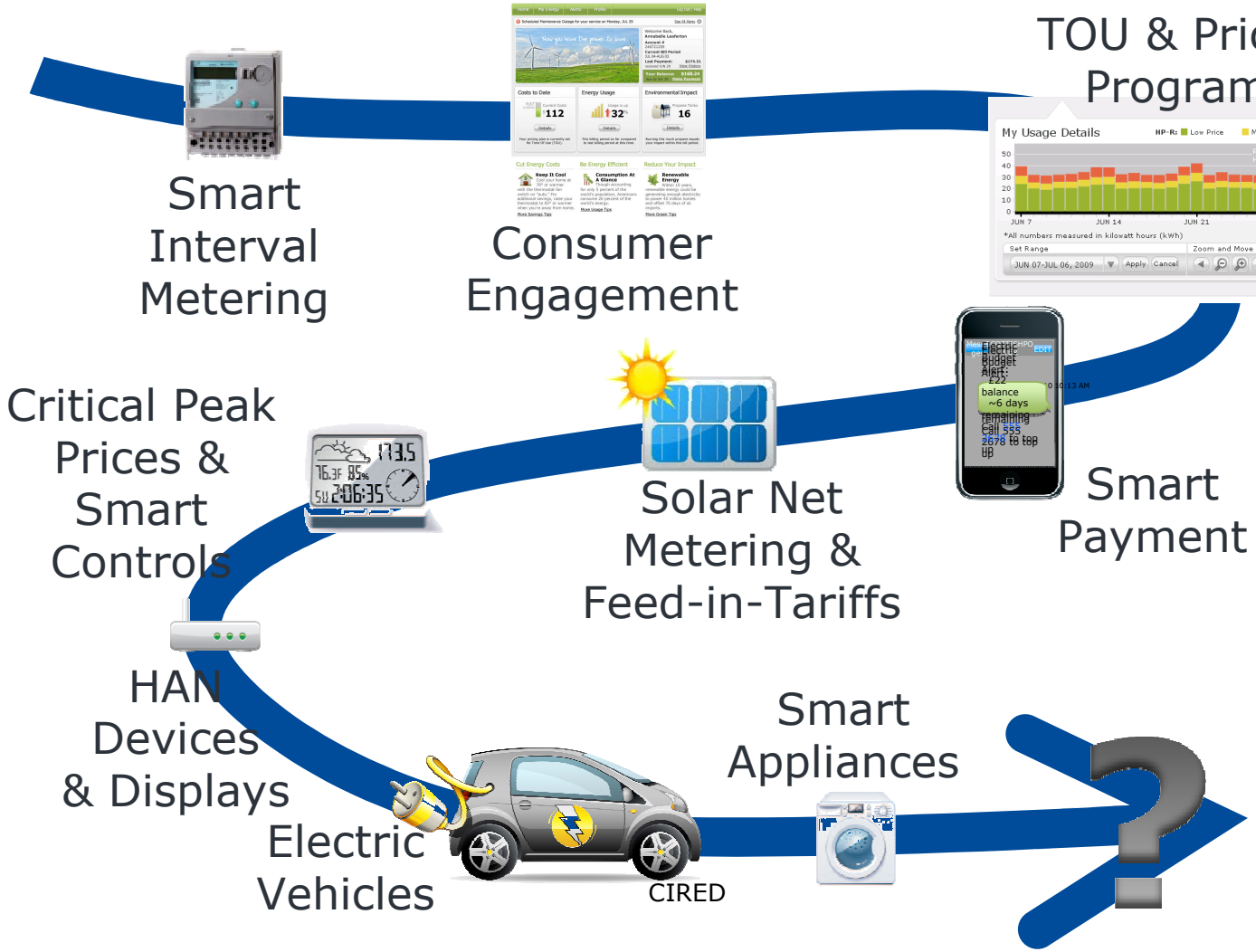
Smart Consumer Roadmap



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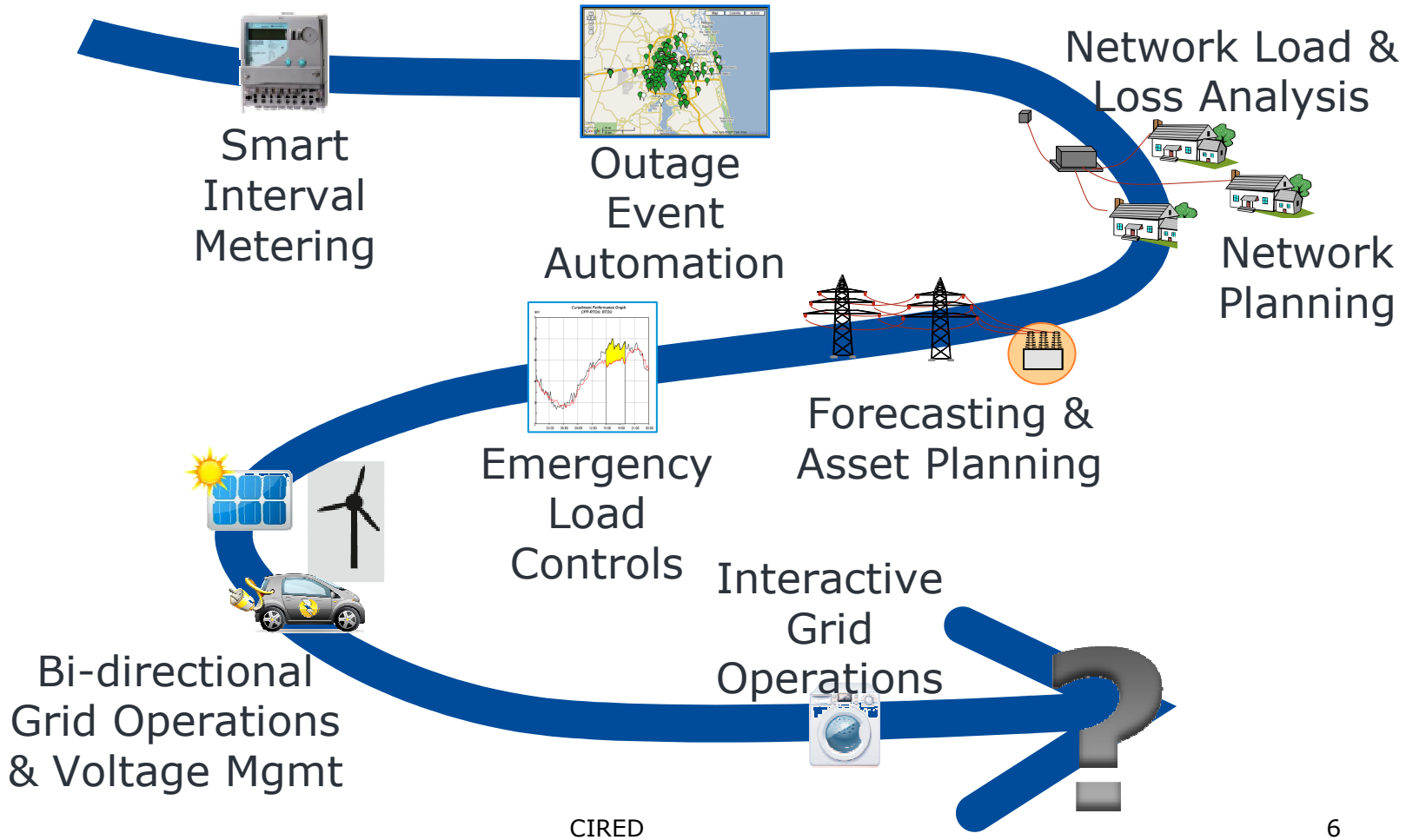
Smart Network Roadmap



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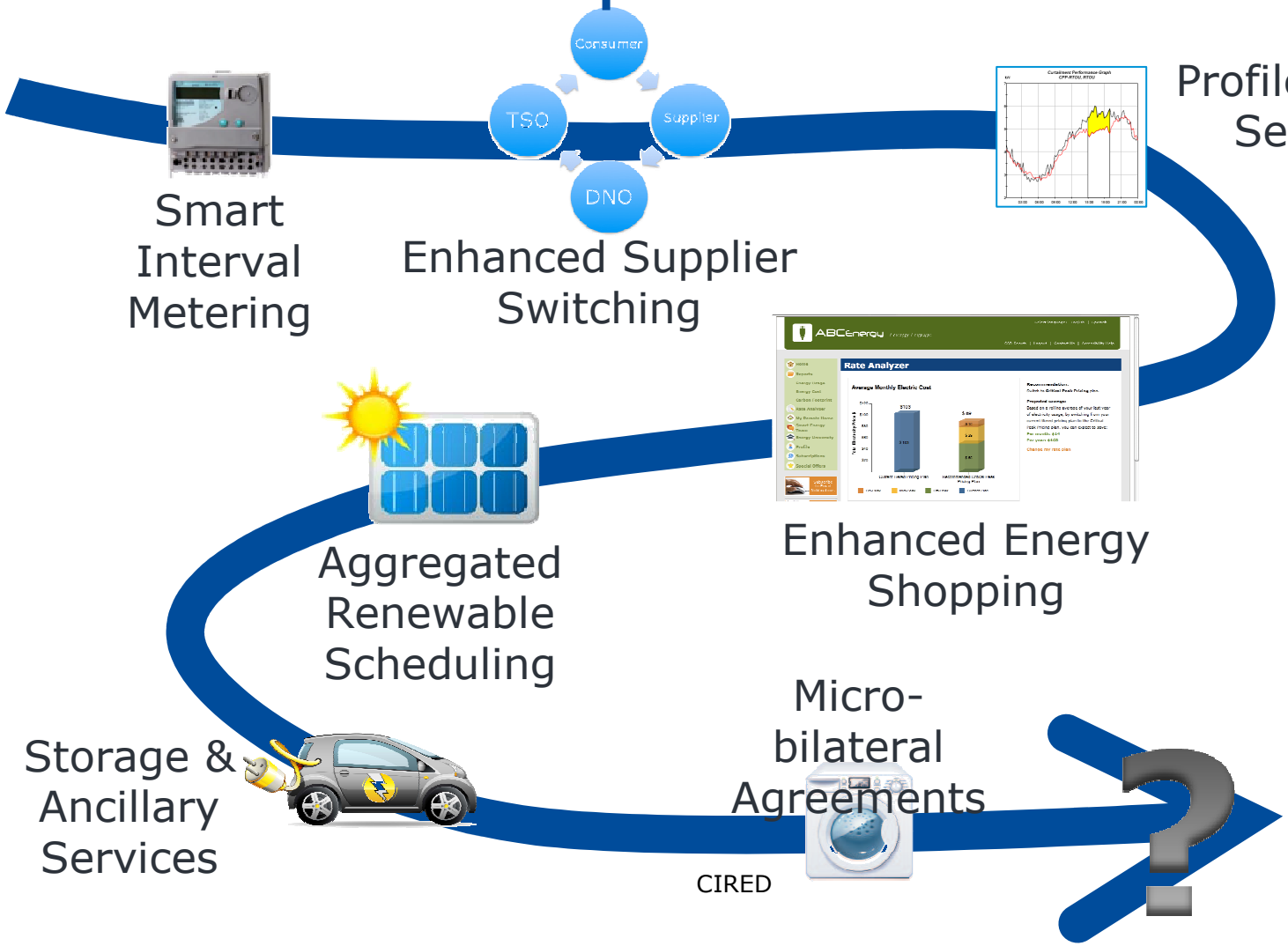
Smart Market Roadmap



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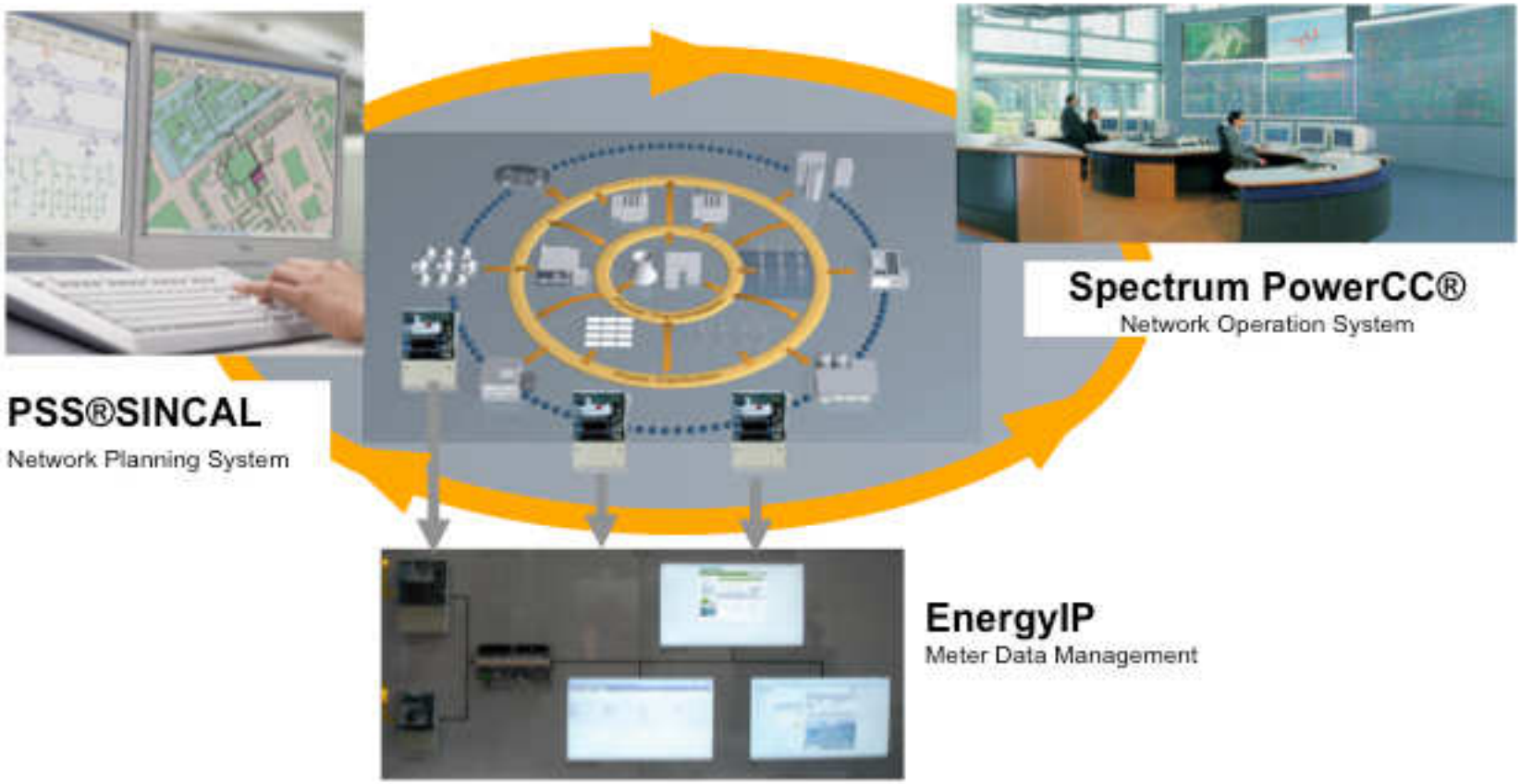
Smart Grid Operation with Real-Time Meter Data



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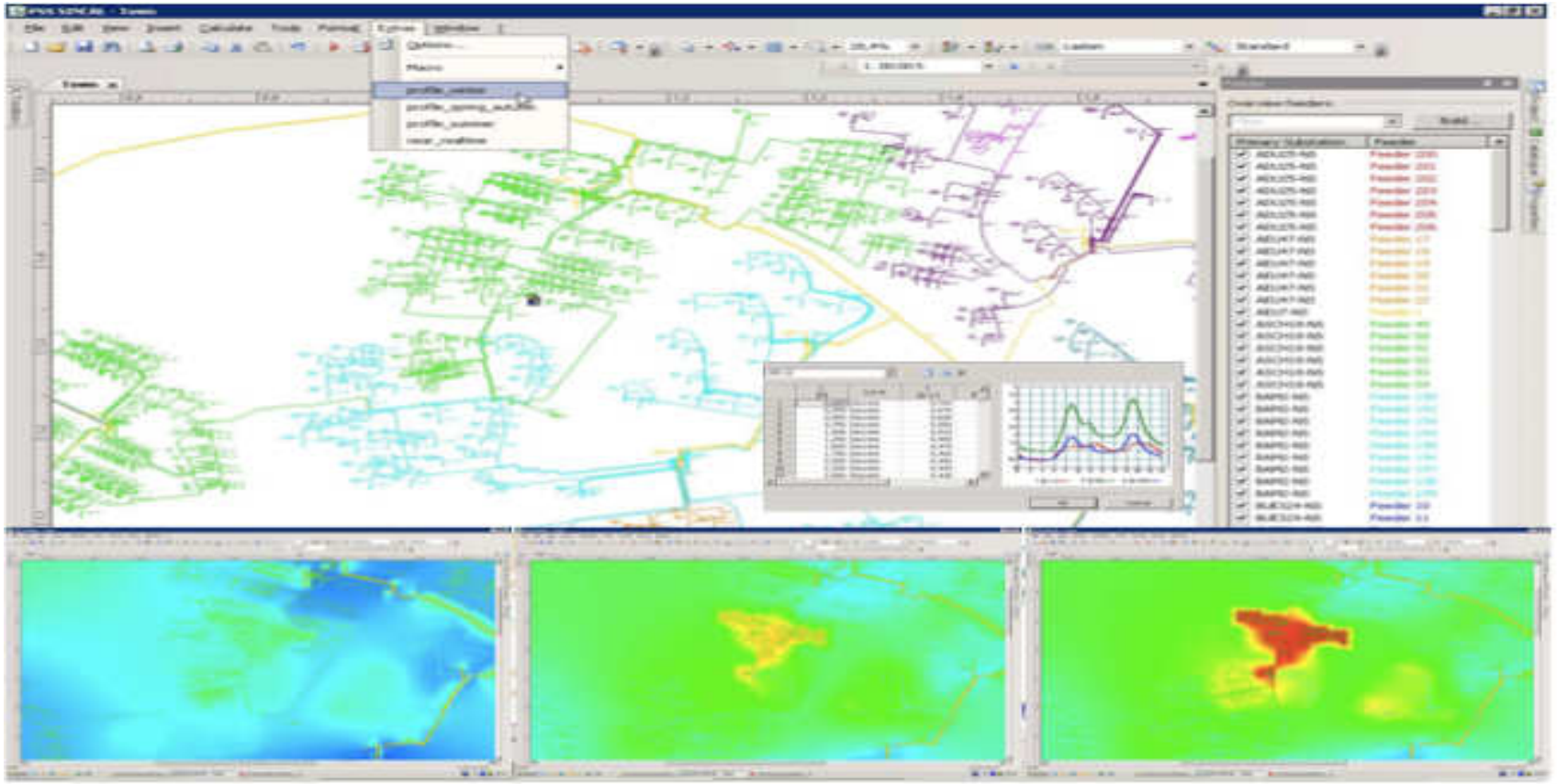
Example for a varying Network Load over a Day



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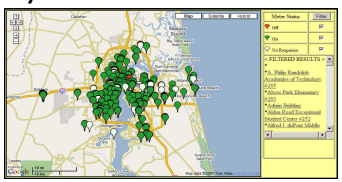
Summary

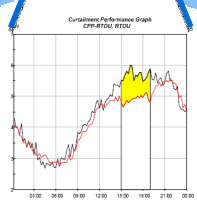
Serving Customers & Markets
- CRM/CIS
- Billing & Tariffs
- Credit & Collections
- Payment Services
- Settlements
- Customer Analytics
- ERP



Commercial Operations

Customer Operations

Network Operations



New Customer Services
- Data Acquisition
- Data Integrity
- Information Services
- Interactive Operations
- Device Configurations
- Multi-vendor
- Multi-network
- Device Security

Smart Networks
- Energy Management
- Outage Management
- Asset Utilization
- Network Planning
- Demand Dispatch
- Network Analytics

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