

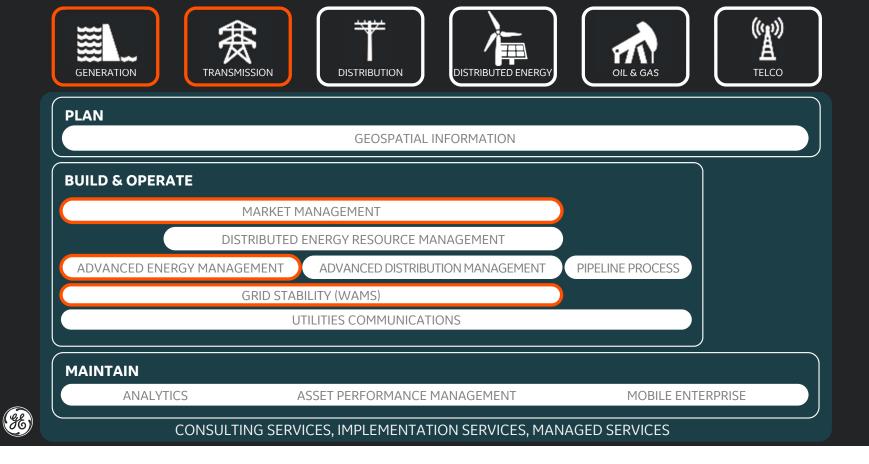
GE – Digital Energy Grid Software Solutions Introduction Transmission Overview

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Grid Software Solutions Portfolio



Digital Energy Software Solutions are market leader in electricity network operations & control room software

N°1 Energy Management Systems

N°1 Market Management Systems

N°1 Distribution Management Systems

N°1 Geospatial & Mobile Systems

N°1 Phasor-based Grid Stability Solutions



Grid ... New World, New drivers



Retiring Workforce



Grid Modernization More devices, more data



Situational Intelligence
Data finds the user,
better insights = better decisions



Cyber-Security



CAPEX & OPEX Pressure

Growing acceptance for hosted & managed solutions









Distributed Energy Resources
Renewable deployment & CO2-free energy, new generation mix



Business Model Change Regulatory shifts



Environment
Public Safety, Storm Restoration,
Changing Weather, GHG



New Systems & Technologies DA, AMI, Smart Inverters, Storage & Fuel Cells



System Dynamics
Operating near to true real-time
limits



System Scalability From energy cluster to large Interconnected grids



Transmission Digital Energy Solutions Portfolio

Generation Management



Generation **Companies**

- SCADA
- Generation Optimization
- Renewable
- ISO Market Interfaces
- Market

Large **Transmission** Management



Utilities / ISOs / RTOs reliability responsibility for a large geographic area

- SCADA
- Network Optimization
- WAMS
- Renewable
- Market

Utility **Energy** Management



Vertically **Integrated Utilities**

- SCADA
- Generation Optimization
- Network Optimization
- Renewable
- WAMS
- Market

Energy Management



Municipalities Cooperatives Small territory area

Automation Essentials

Industrial

Power

Management

Onsite-power

management

SCADA

Generation Apps

• Transmission Apps

• Dynamic Fast Load Shed

Munips / Coops



- SCADA
- Basic automation

I Additive extension to

- **Generation Optimization**
- Network Optimization
- Renewable
- WAMS



Service and support

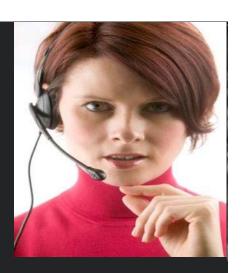
- Protect installed base with 1st Class post sales service
- Long term maintenance plans (issue resolution & yearly SW access)
- 24x7 phone support; Assistance using a dial-in VPN connection
- Account Management to ensure customer needs are being met



- Upgrade licenses for new releases, Documentation updates
- Security patch management / 3rd party SW updates
- Pool of professional services consulting days, Custom trainings, Community forum
- Ensure highest customer satisfaction & loyalty through proactive customer care
- Active surveying of customers for continuous voice of customer feedback
- Turn customers into promoters through active management of a strong and vibrant user community







Transmission Main customers







15 of the 19 GO15 use GE Transmission Solutions

