

Electric Vehicles: Driving a Smarter Grid

Todd Jackson

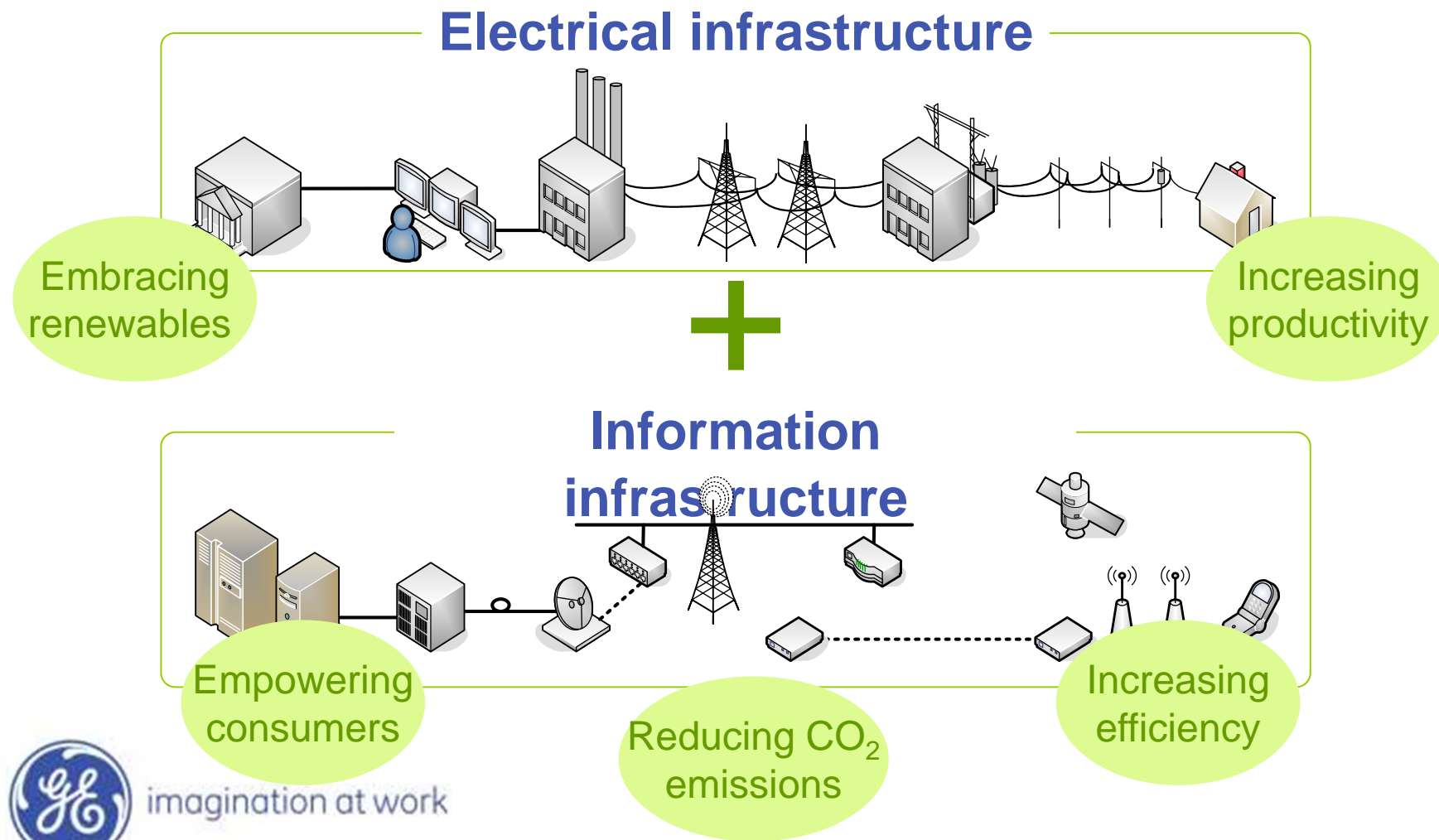
Advanced Energy Conference
November 8, 2010



imagination at work

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GE's view of the smart grid ... integrating two infrastructures



GE ... as the EV market grows



From ... products

- **GE Energy**
 - EV chargers
 - Distribution equipment
- **GE Capital**
 - Fleet assets

**2010 -
2012**

To ... turnkey expertise

- **GE Energy**
 - EV Siting analysis
 - EV installer network
- **GE Capital**
 - Real Estate conversion
 - Fleet conversions

**2012 -
2015**

And ... total customer solutions

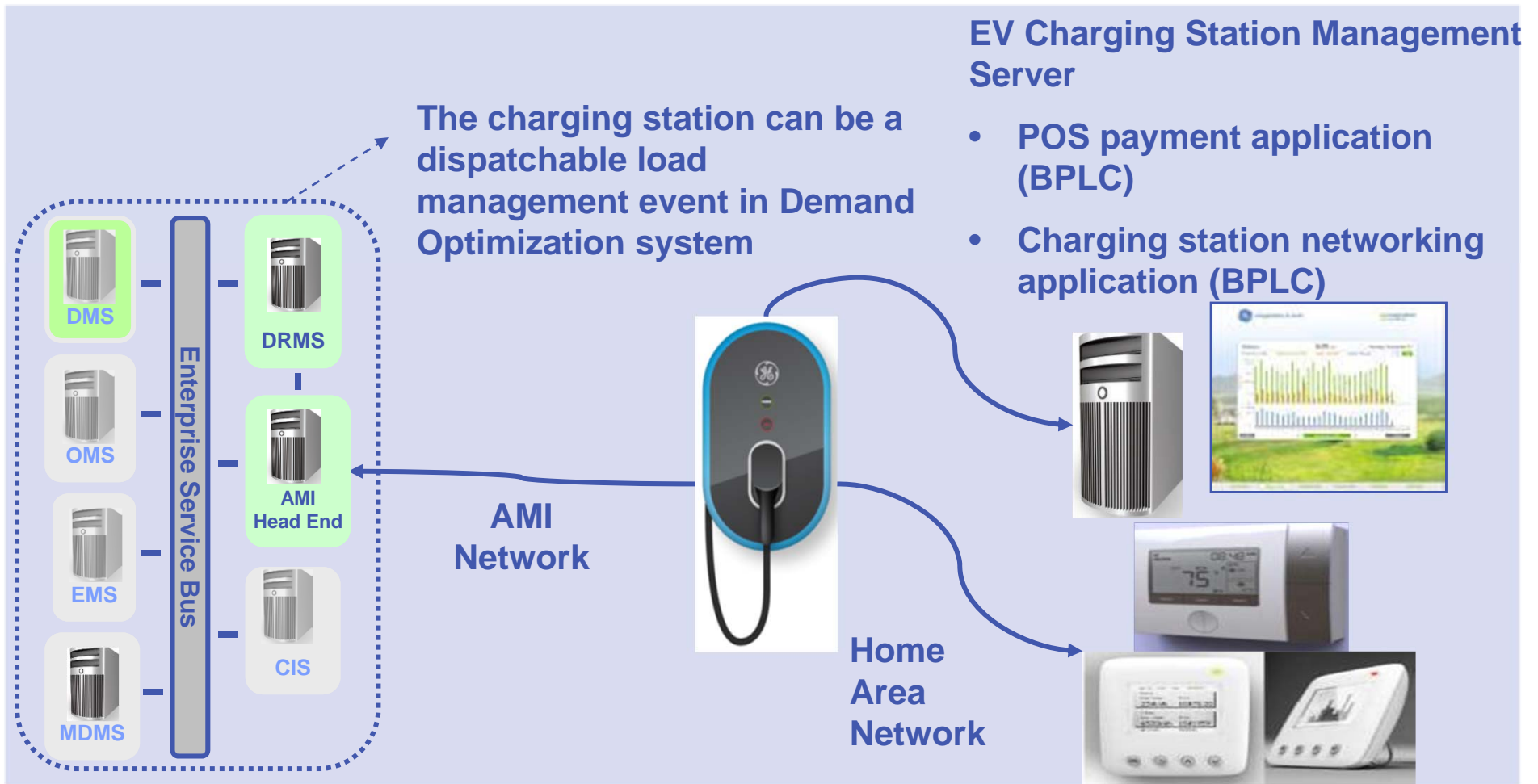
- **GE Energy**
 - Grid Impact Analysis
 - Energy aggregation & sales
 - Driver services
- **GE Capital**
 - Municipal financing
 - Own, operate & maintain
 - Battery leasing
- **GRC**
 - Battery & systems analysis
- **Ecomagination ...**
 - partner collaboration

2015+

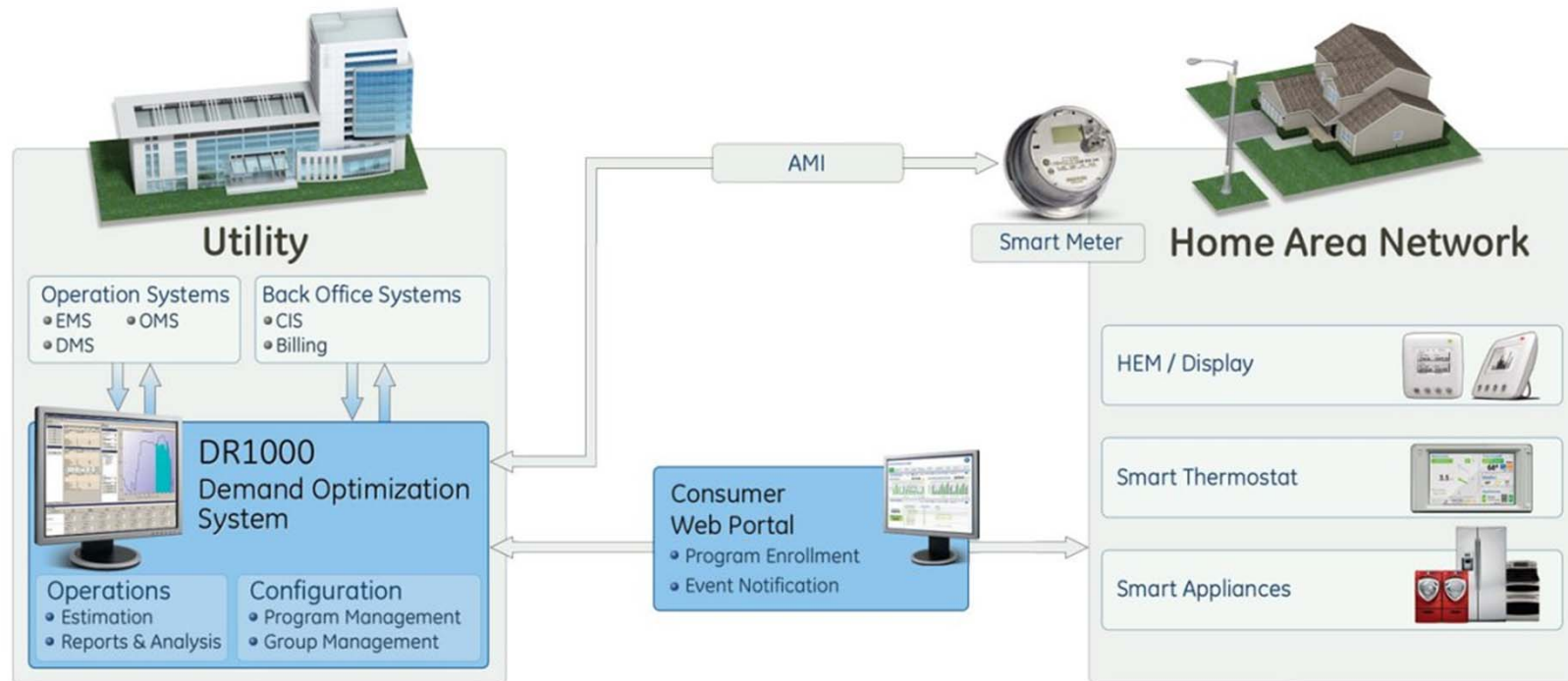
Coming soon ... net zero energy homes



GE's smart grid charging station ... grid interoperability



Demand optimization ... empowering consumers



Utility Systems

- DRMS System

Communications

- Use Existing AMI Network

Home Area Network

- Gateway, IHD, Load Switches
- Consumer Subscriptions

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