

# GE Energy

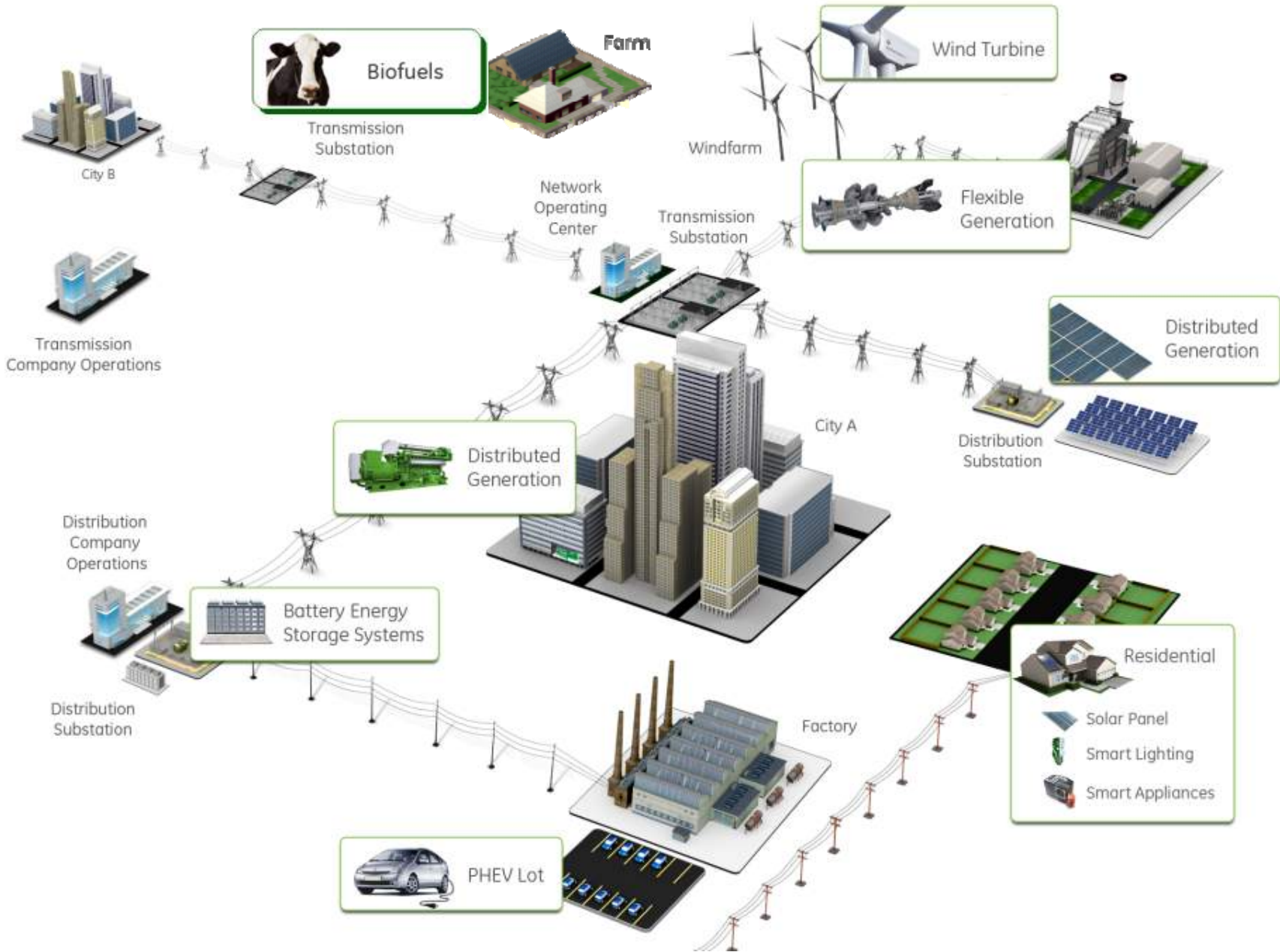


## Smart Grid: Standing the test of time

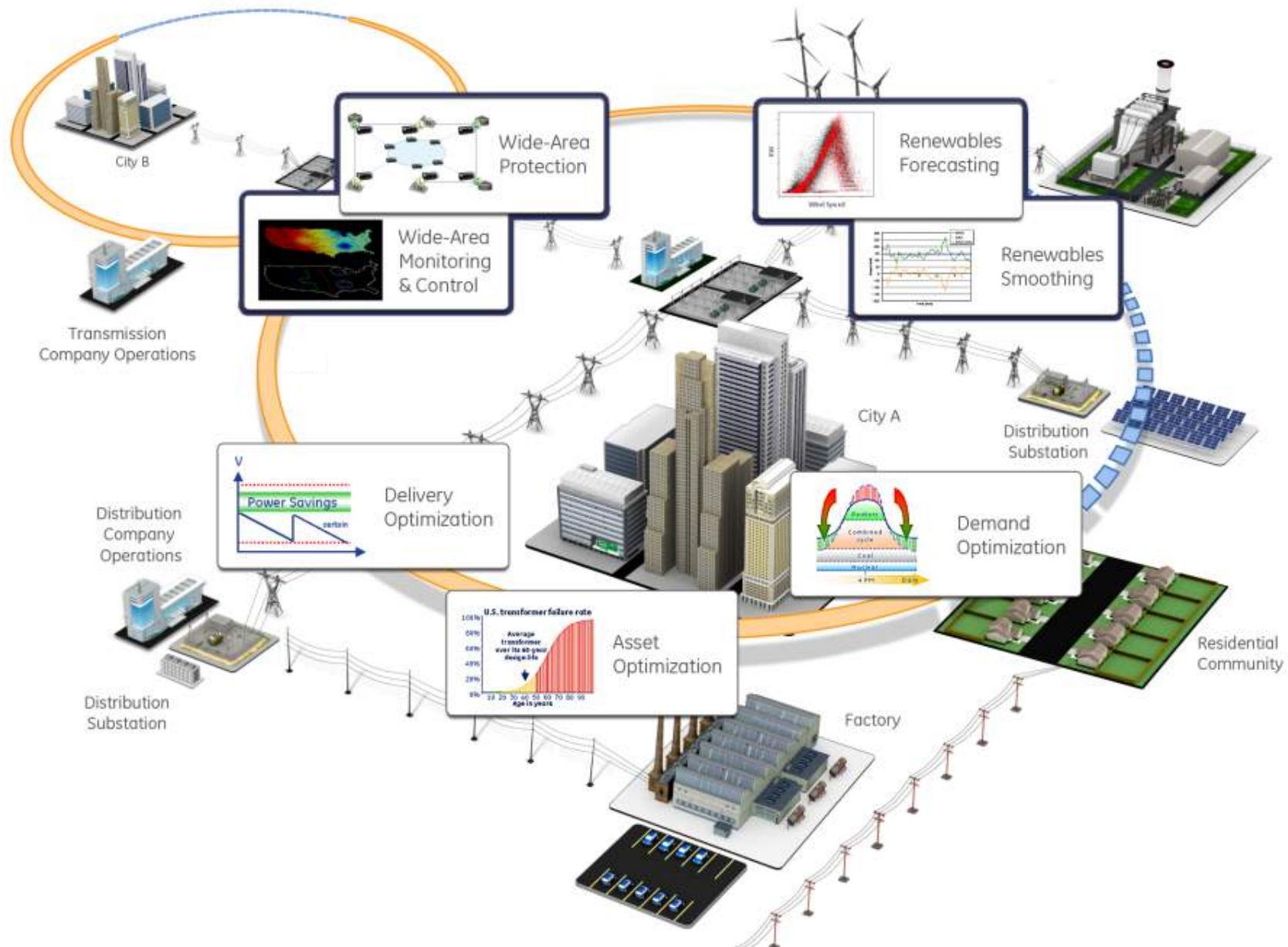
Vision, experience, investments and resources  
powering the grid of the 21st century



# Meet the challenges of tomorrow...



# ...with evolving capabilities



# GE's position ... focus on the benefits, not just the infrastructure

- > Transform today's grid to realize benefits NOW
- > Ensure full societal benefits for our economy, environment and energy security
- > Focus funding on totality of the solution and benefits
- > Technology is ready and available NOW
- > Software solutions alongside infrastructure improvements are critical to delivering the promise of the smart grid



# Additional policy needed

- Rewards for efficiency
- Accelerated depreciation
- Time-of-use pricing rates
- New business models



# Standards accelerate Smart Grid



Smart Grid Electricity Advisory Committee



Interoperability & Cyber Security

Smart Grid Standards Roadmap



Industrial Control Systems WG



BOREAS Cyber Security WG

Board of Directors

Interoperability WG

Implementation WG

Legislative and Policy WG

State Legislative and Policy WG

Home 2 Grid (H2G) WG

Business and Policy (BnP)



Smart Grid Task Force



Home Plug Alliance



Board of Directors

Power & Energy Society (PES) Past President

PES Intelligent Grid Coordinating Committee

Power System Relaying Committee



Smart Grid Task Force Technology

Smart Grid Task Force Policy

Smart Grid Task Force Standards

Energy Storage Council



Smart Grid Strategic Group 3

US Principle

US TAG



US National Committee (USNC) VP, Technical

Study Committees



Advanced Metering Infrastructure

# Importance of the Consumer

*Hypothesis: combination of technology and consumer behavior will expedite transformation*

*Ipsos online US and UK national poll:*

Awareness is growing: Top benefits of Smart Grid from the US and the UK are lowering electricity bills and becoming energy efficient

3-in-5 in the US and UK users would change their electricity consumption behavior with Smart Grid adoption

More information on smart grid is needed: 73% of US and UK users would like to know more about smart grid pricing structure

US users believe GE is the best suited to develop Smart Grid technologies



# Educate, Excite and Engage

**IT'S YOUR SMART GRID**

ENERGY ISSUES | SMART GRID SOLUTIONS | INTERACT | TAKE ACTION | RESOURCES

**SIGN UP**  
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**SO WHAT IS THE SMART GRID ANYWAY AND WHY SHOULD I CARE?**

- MANAGE RISING COSTS
- ENERGY INDEPENDENCE
- GREEN JOBS
- ENVIRONMENTAL IMPACT
- POWER RELIABILITY
- MODERN INFRASTRUCTURE

**WHAT IS THE SMART GRID?**  
The smart grid is, in essence, an "energy internet" in that it delivers real-time energy information and knowledge directly to you  
[FIND OUT MORE](#)

**plug into the smart grid**  
Watch Video | Share

**Plug-in Hybrid Vehicles**  
Watch Video | Share

**An Energy Internet**  
Watch Video | Share

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