



Investing to Accelerate
**GLOBAL
INNOVATION**

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Platform Technologies, Cleantech and Digital Health Sectors

Intel Technology Summit
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San Francisco, CA



Intel Capital Mission

Make and manage financially attractive investments
in support of Intel's strategic objectives



A Stage Agnostic and Long-term Investor

Intel Capital Investment Activity

	2006	2007	2008	Since 1991
Dollars Invested	\$1.07 Billion	\$639 Million	\$1.59 Billion	\$9+ Billion
Number of New Investments	91	77	62	1,000+ Companies
International Dollars	60%	67% Excluding VMware	62% Excluding Clearwire	32%
Exits	8 IPOs, 29 Acquisitions	11 IPOs, 23 Acquisitions	2 IPOs, 19 Acquisitions	174 IPOs, 231 Acquisitions



Value Beyond the Cash Investment: Intel Capital Technology Days (ITD)

Driving Revenue Opportunities Between Portfolio Companies and Customers



- 60-70 ITDs per year, worldwide
- 5-10 portfolio companies per ITD, day-long event
- Meet with high-level decision makers in host companies (typically Intel's customer's customers)
- Provides visibility for portfolio companies that would take months, or wouldn't happen, without Intel enabling
- 80% follow-up rate, leading to business relationships

Intel Capital Technology Day Hosts

partial list



FLEXTRONICS



Sony Ericsson

DAIMLER



Alcatel-Lucent



Technology/Market Focus



Mobile Internet Client



Digital Home



Digital Enterprise



Consumer Internet



Software and Services



**Manufacturing, Memory
and Digital Health**



Cleantech

Intel Open Energy Initiative

Intel Actions Include:

- Research & Development of “Smart Energy” technologies
- Partnerships with Utilities on Smart Grid pilots and deployment
- Smart Energy policy influence
- Leadership in smart grid standards bodies
- Strategic venture investments via Intel Capital

Intel’s Objective: Drive deployment of open standards which accelerate the integration of, and synergy between:

- Intelligent Renewable Energy Sources
- Smart Grids
- Smart Buildings
- Empowered Energy Consumers

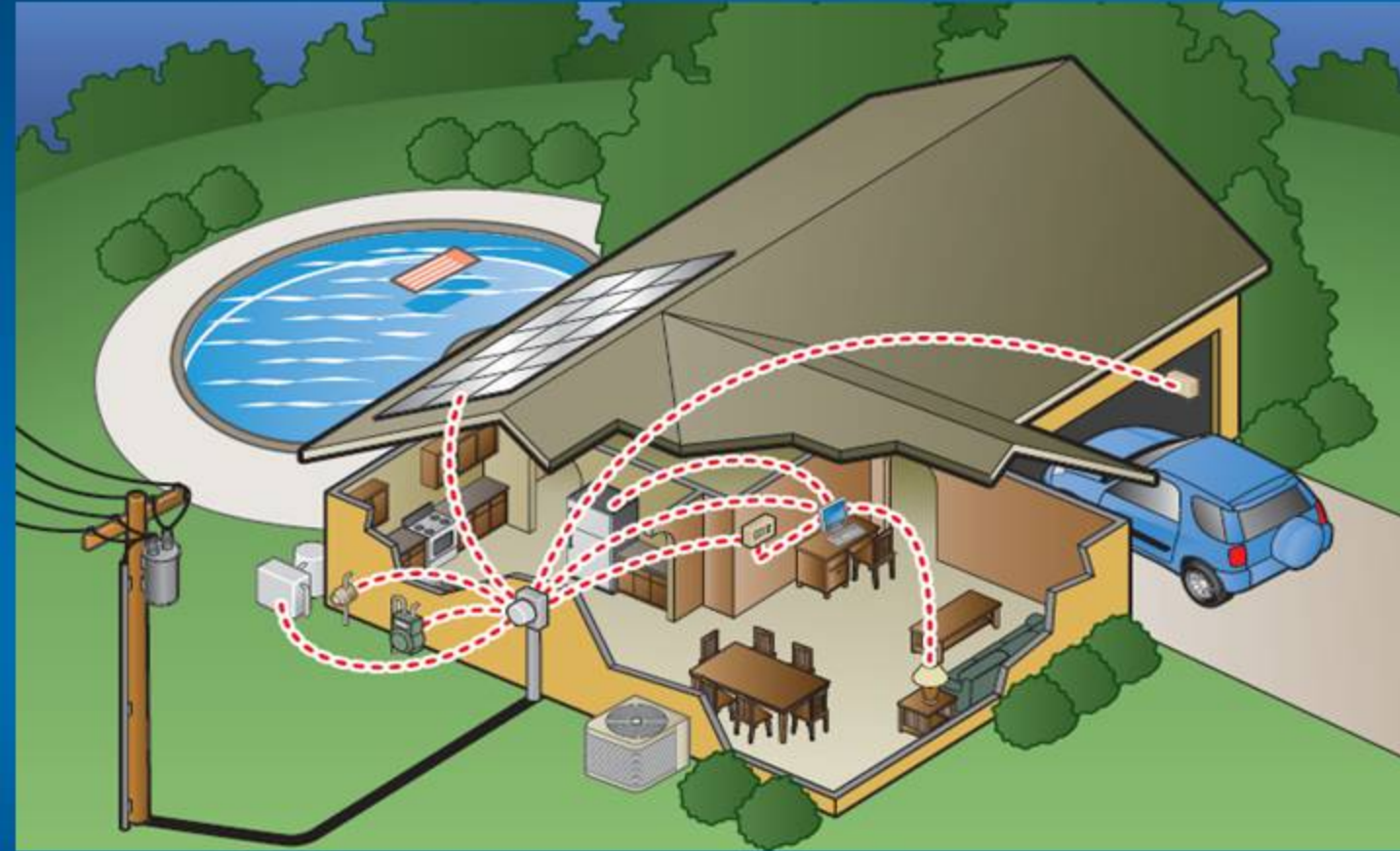


Smart Grid = Much more than Smart Meters

20th Century Grid	21st Century Smart Grid
Electromechanical	Digital
Very limited or one-way communications	Two-way communications every where
Few, if any, sensors – “Blind” Operation	Monitors and sensors throughout – usage, system status, equipment condition
Limited control over power flows	Pervasive control systems - substation, distribution & feeder automation
Reliability concerns – Manual restoration	Adaptive protection, Semi-automated restoration and, eventually, self-healing
Sub-optimal asset utilization	Asset life and system capacity extensions through condition monitoring and dynamic limits
Stand-alone information systems and applications	Enterprise Level Information Integration, inter-operability and coordinated automation
Very limited, if any, distributed resources	Large penetrations of distributed, Intermittent and demand-side resources
Carbon based generation	Carbon Limits and Green Power Credits
Emergency decisions by committee and phone	Decision support systems, predictive reliability
Limited price information, static tariff	Full price information, dynamic tariff, demand response
Few customer choices	Many customer choices, value adder services, integrated demand-side automation



Smart Buildings and the rise of the "Personal Smart Grid"



Buildings key to electricity usage and CO₂ impact

- 76% of US electricity use¹
- 43% of CO₂ generated²
- Data Center energy use continues to rise
- Residential users unknowingly waste energy

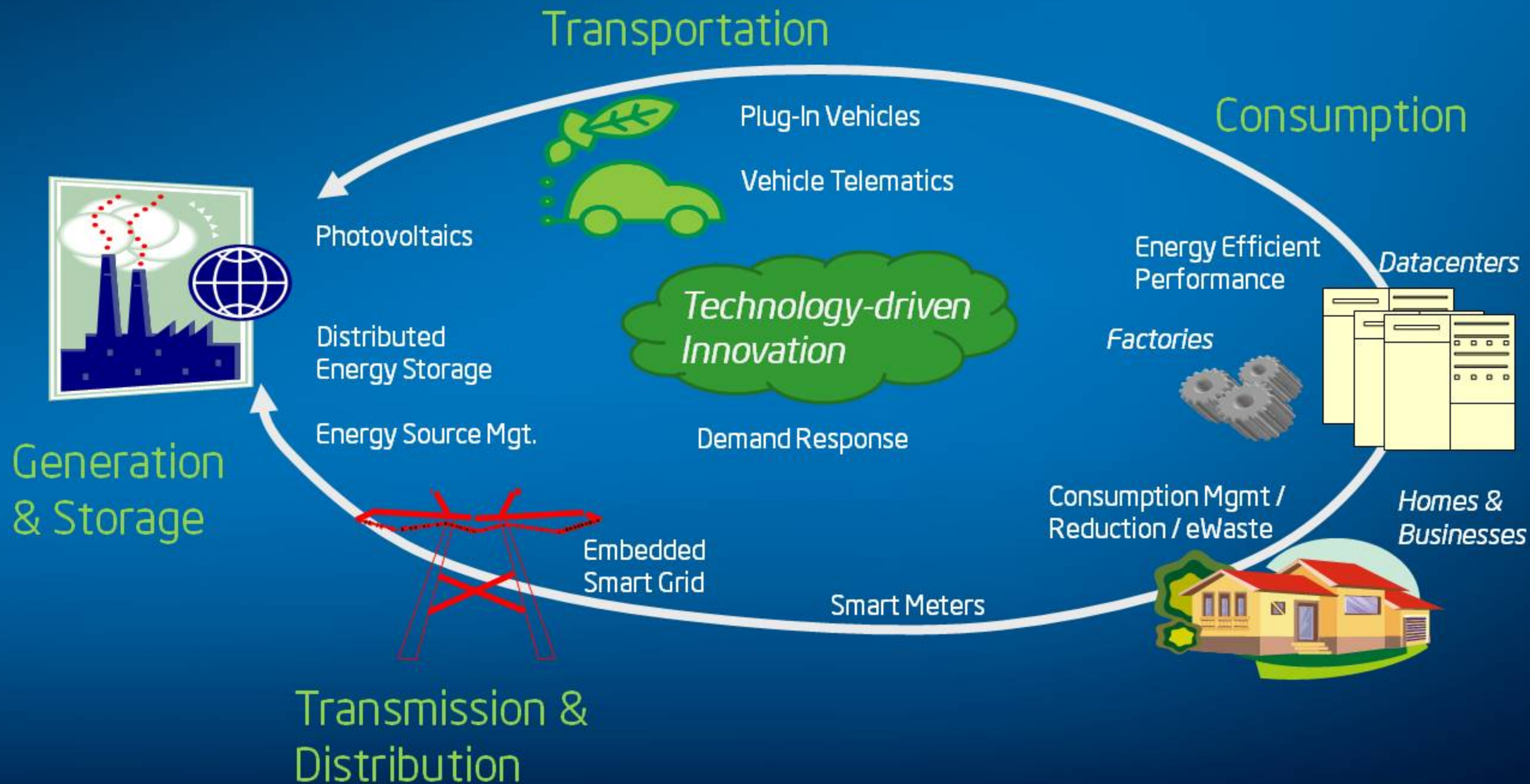
Industry Challenge

- Connect Home Area Networks to the smart grid
- Empower energy users with real-time feedback, personalized info, easy-to-use interfaces, and access to new and compelling services

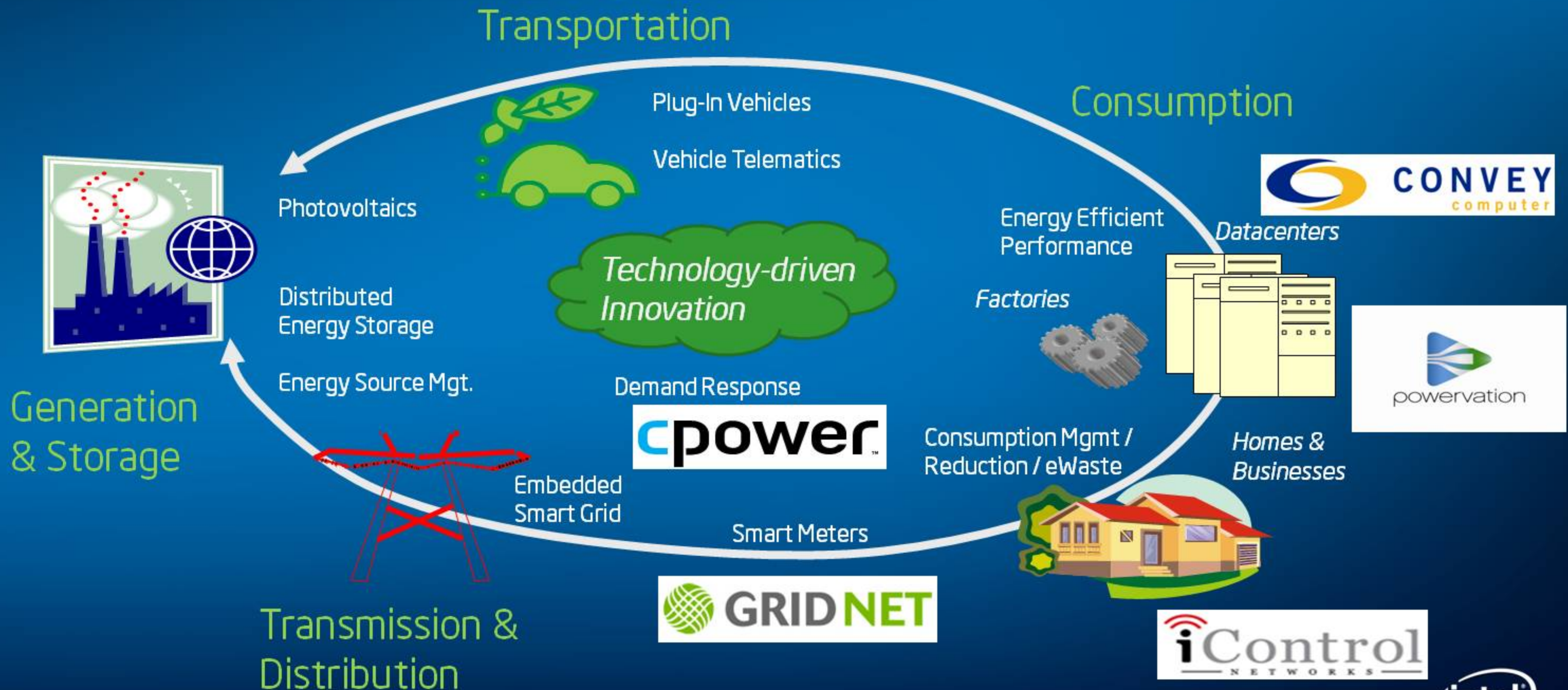
(1) Energy Information Association

(2) Pew Center for Global Climate Change

Cleantech Investment Areas of Interest

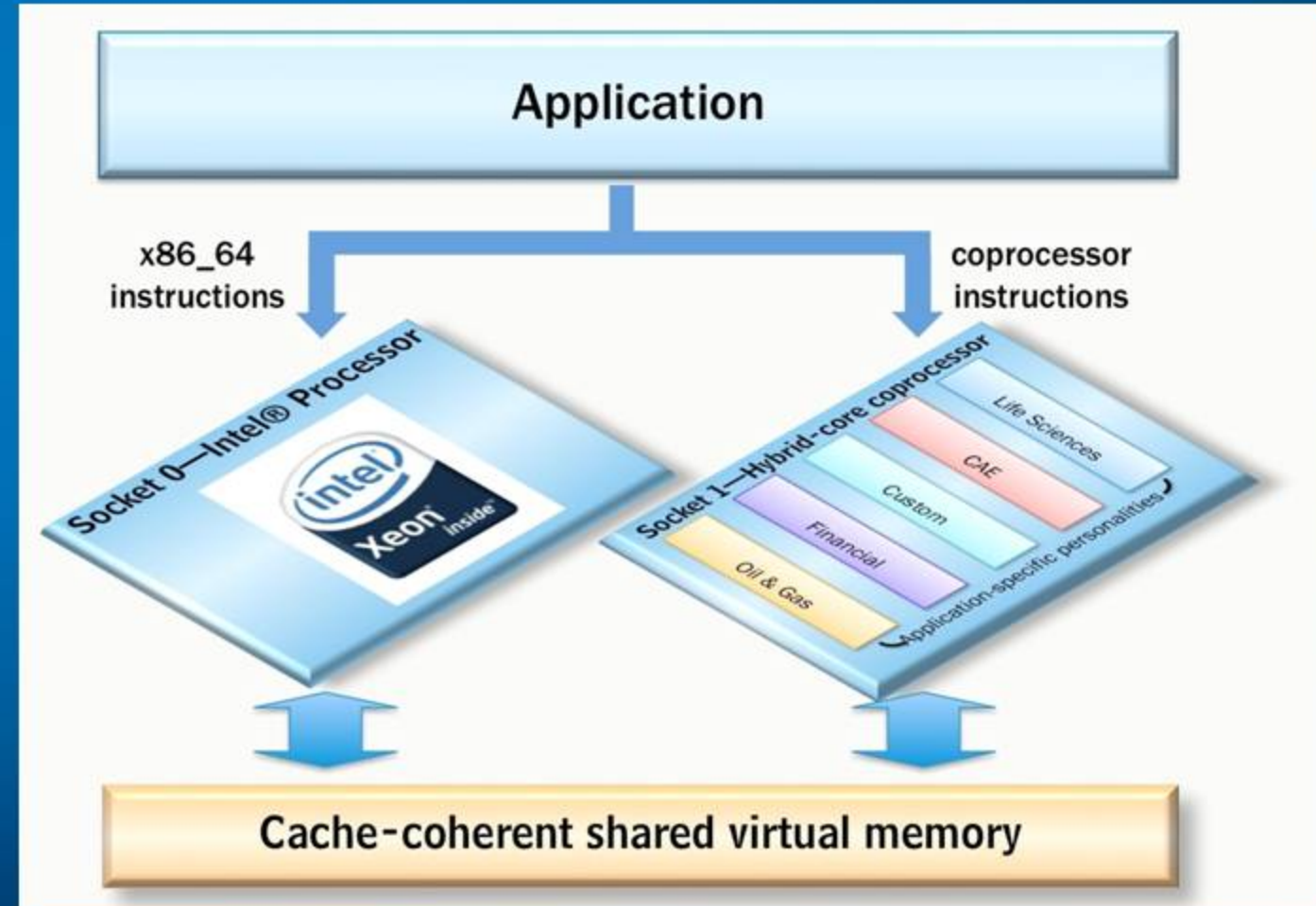


Announcing Five capital Equity Investments





- High-performance computing (HPC) server solutions that aim to realize the system-level energy-savings and performance potential of reconfigurable logic
- Convey's HC-1™ solution architecture consists of an Intel microprocessor, FPGA, and an ANSI standard compiler that automatically identifies code to dispatch to the coprocessor in a way that is transparent to the programmer



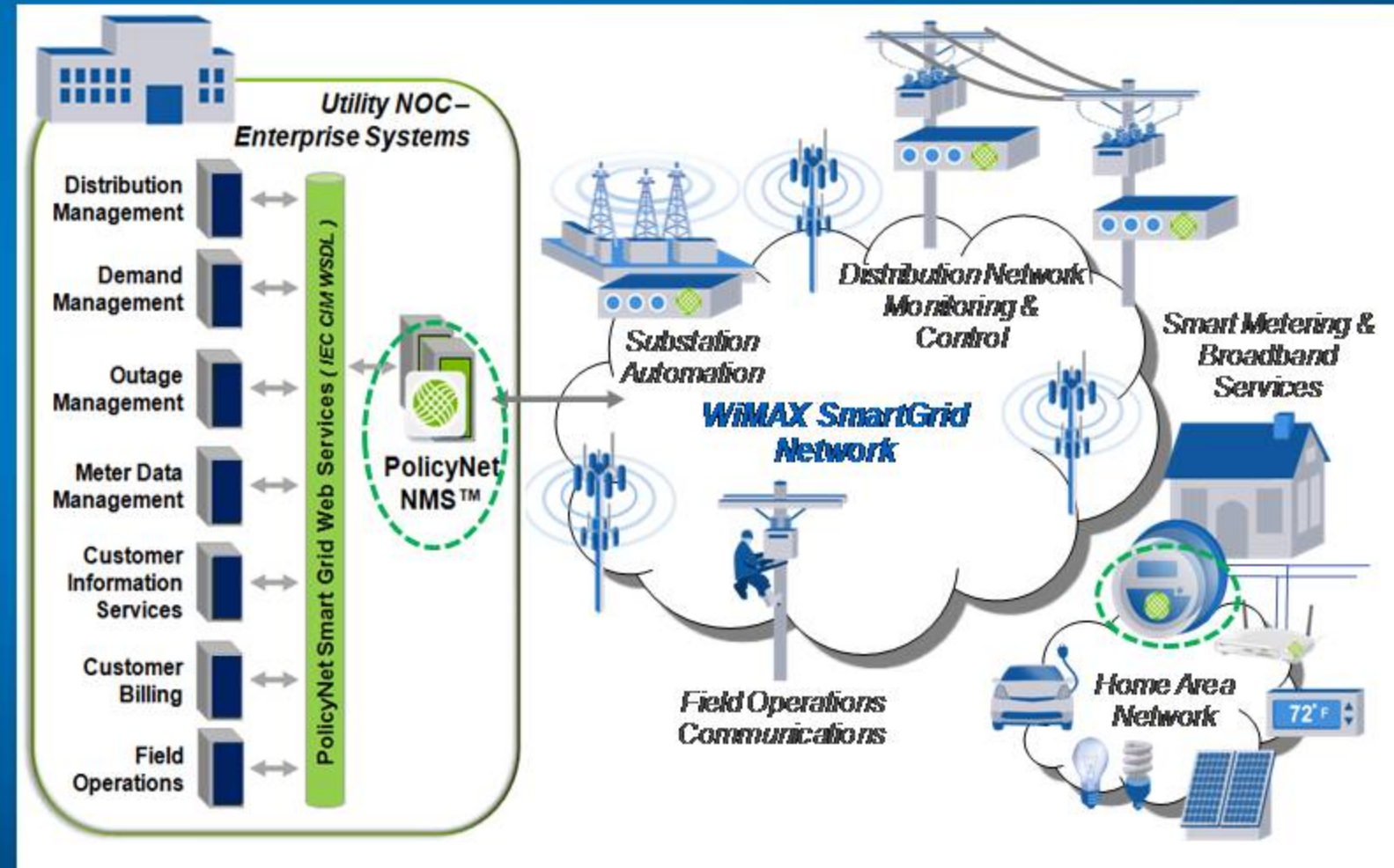
- Based in Ireland, US (Palo Alto, CA) and Taiwan
- Digital power controllers for mobile, server, and desktop computing and communications platforms
- Automatic configuration and self stabilization underlies quicker design time and enhanced stability, improved energy efficiency and lower system costs
- Improves performance-per-watt of Intel Architecture platforms



- Leader in broadband home management, based in Palo Alto, CA
- Allows homeowners to see and control their homes—including security and energy systems—via the internet, iPhone and other mobile devices
- Supports Intel's drive to:
 - Empower energy consumers
 - Enable utilities to interact with their customers in new, energy-saving ways



- Based in San Francisco, CA
- PolicyNet SmartGrid NMS™ Software
 - Smart Grid network operating system & management control plane
 - Secure, intelligent, standards-based management of all smart grid devices (transmission, distribution, generation)
 - Leverages 4G wireless deployments
- Aligns with Intel's goal to:
 - Enable secure, scalable, interoperable solutions with distributed intelligence for the Smart Grid



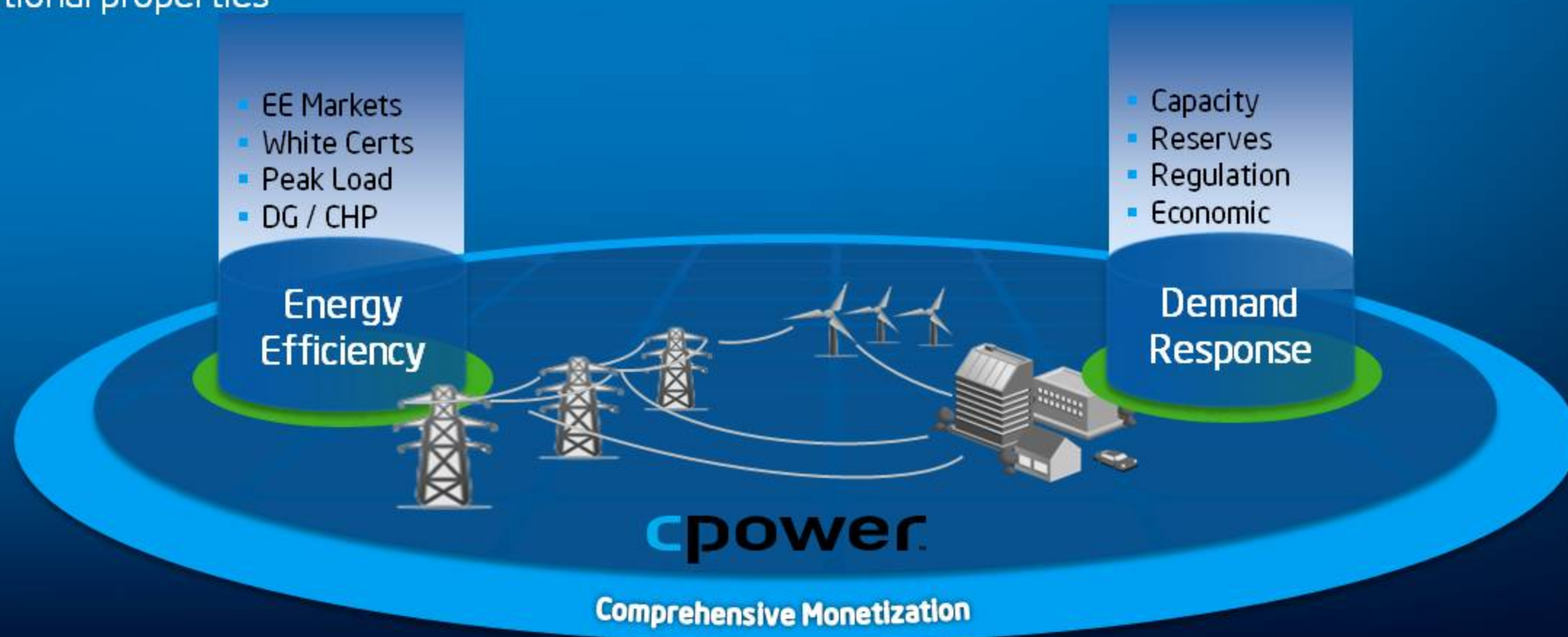


Gary Fromer, CEO

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- Headquartered in New York, NY with operations in the major energy markets of New York, New England, Mid-Atlantic (PJM), Texas (ERCOT), California and Ontario
- One of the largest and most experienced energy management and demand response providers in North America
- Industry leader in technology-enabled direct load control for ancillary services participation
- 2,400MW of electric load under management, 700MW of managed curtailment
- Represents hundreds of clients at 3,000+ sites, including 75 million square feet of commercial, industrial, retail and institutional properties



Other capital Cleantech Investments to-date

Solar Energy Technology

- **SpectraWatt:** photovoltaic cells
- **Sulfurcell:** thin-film solar power modules
- **Trony Solar:** thin-film solar power modules
- **Voltaix:** materials for solar cell manufacturing



Smart Grid and Energy Efficiency

- **Applied Green Light:** efficient outdoor display lighting
- **Pulse Technologies:** premise automation
- **E Ink:** low-power, bi-stable displays

Advanced Energy Storage

- **Net Power Tech:** flow batteries for commercial buildings
- **Cymbet:** thin-film rechargeable batteries for sensor networks





Q&A

