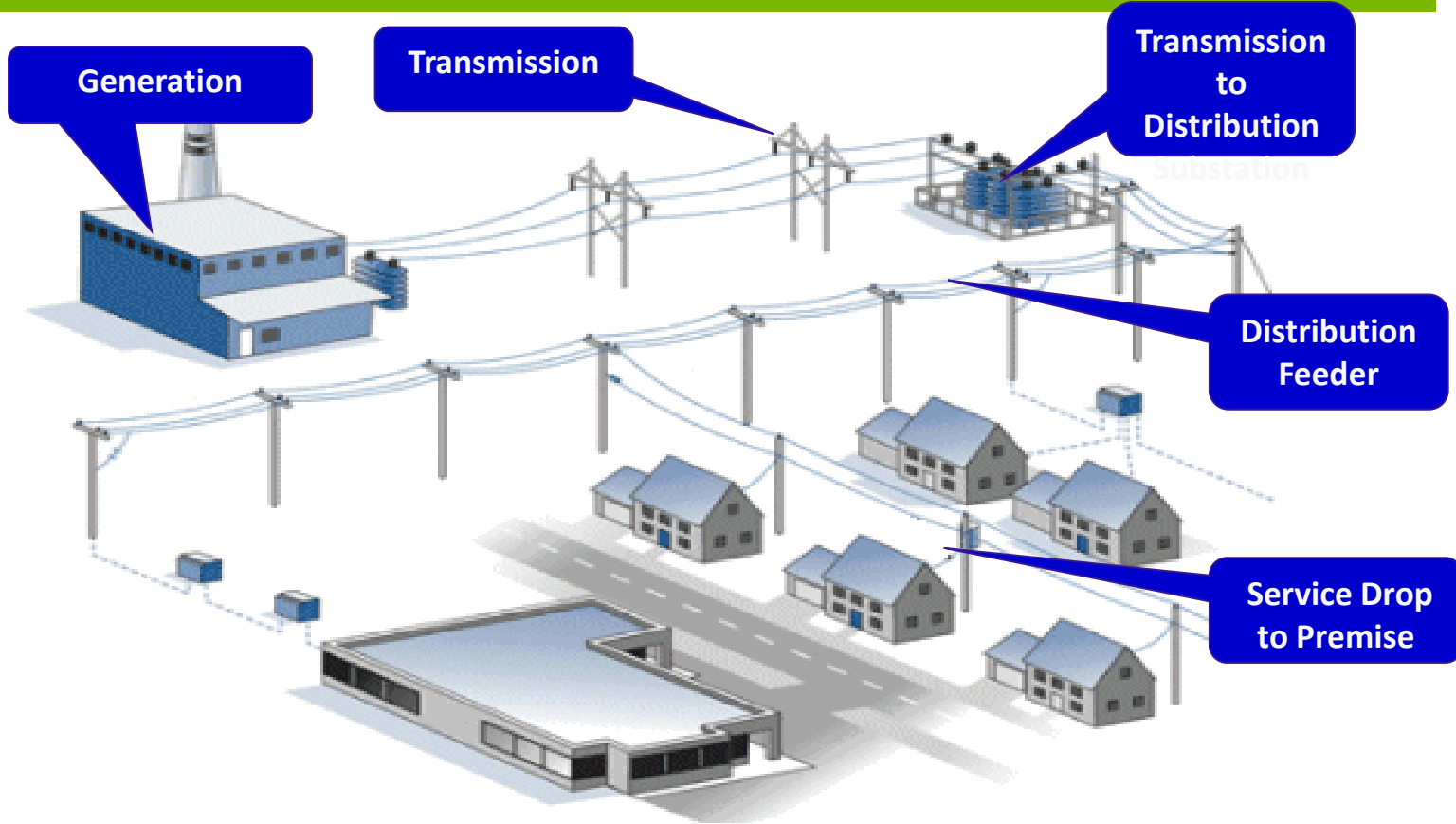


How Smart Grids enable consumers?

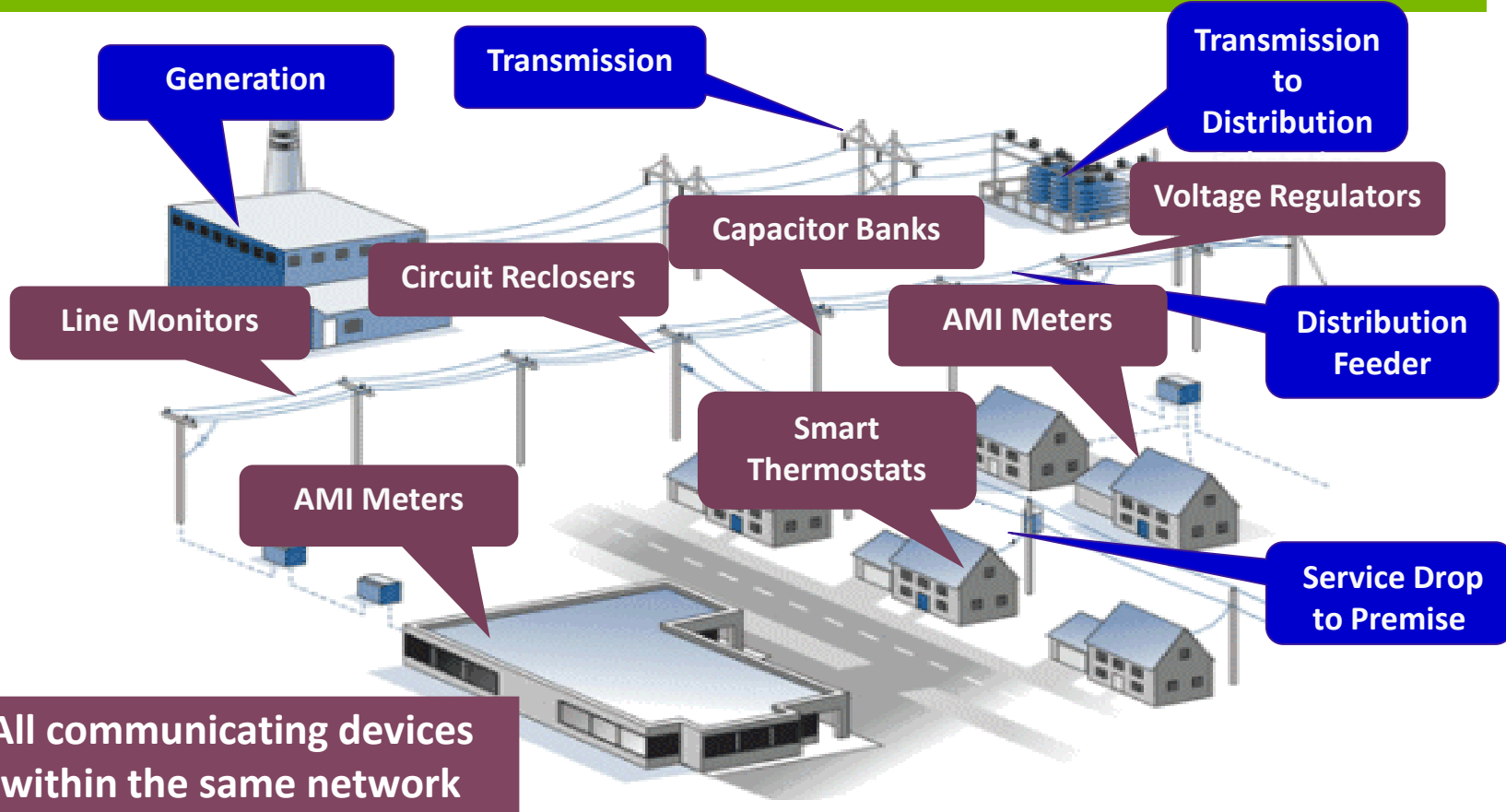
UT Energy Week – Feb 18th 2015

Emmanuel Monnerie – Landis+Gyr

What is a Smart Grid?



What is a Smart Grid?



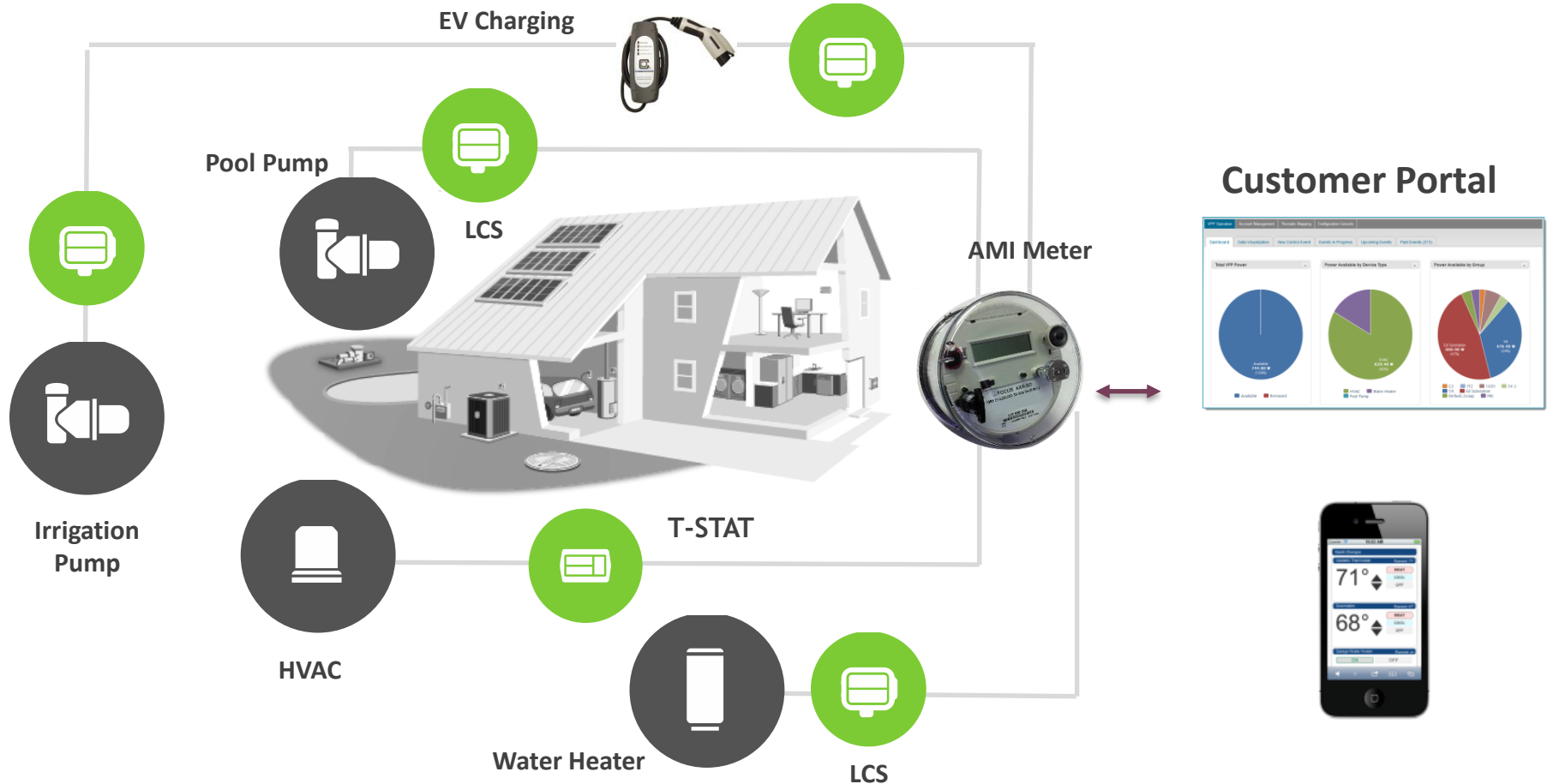
The AMI Electric Meter



**Installed in over 70% of households
in North America**

- Dozens of metrics captured and reported each day
- Key metrics captured every 5 to 15 minutes
- Home Area Network communication module (Zigbee)
- Wide Area Network communication module
- Hundreds of events and alerts reported in real time
- Can act like an edge sensor to support DA/SCADA solutions

The Smart Grid enters the home



Project Overview

- + Multipurpose network for AMI and DA
- + Gridstream network deployed for AMI and DA
- + Landis+Gyr SCADA Center host system, integrated with existing DMS system
- + Gridstream radios pre-integrated and deployed with:
 - 4 line monitors; 11 capacitor banks
 - 5 reclosers; 39 air switches



About Austin Energy

Austin Energy is the nation's 9th largest community-owned electric utility, serving more than 400,000 customers and a population of almost 1 million. Austin Energy provides electric service within the City of Austin, Travis County, and a small portion of Williamson County.



Reduced generation costs and improved outage restoration



Case Study: CSU - Targeting Circuits for Peak Reduction



<http://youtu.be/lehA7AZAFwk>

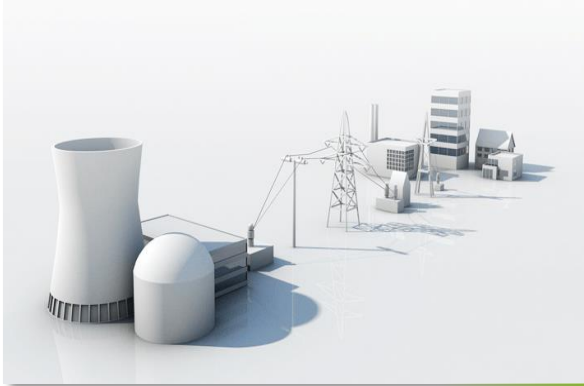
Utilities need to adapt to consumer requirements

- Consumers are investing more in Energy Management and Renewable Energy Resources – Energy cost reduction and enhanced power quality/reliability
- With this consumer trend, utilities still maintain their obligation to serve these customers
- The utility impact is operational challenges and financial risk
- Utilities are responding by requesting creative solutions that allow them to provide flexible energy options to their customer



Addressing Energy Users Is Key To Smart Community

Smart Grid



Proven, scalable
Metering/AMI/DA platform
Smart Grid Services

Smart Utility



Distribution Grid Management
Advanced Load Management
Smart Lighting | Analytics
Data Management
Advanced Services
Energy Storage

Smart Community



Enhancing Consumer
Experience and Sustainable
Communities through
Balanced Energy
Management Solutions and
Services

Thank You!

