

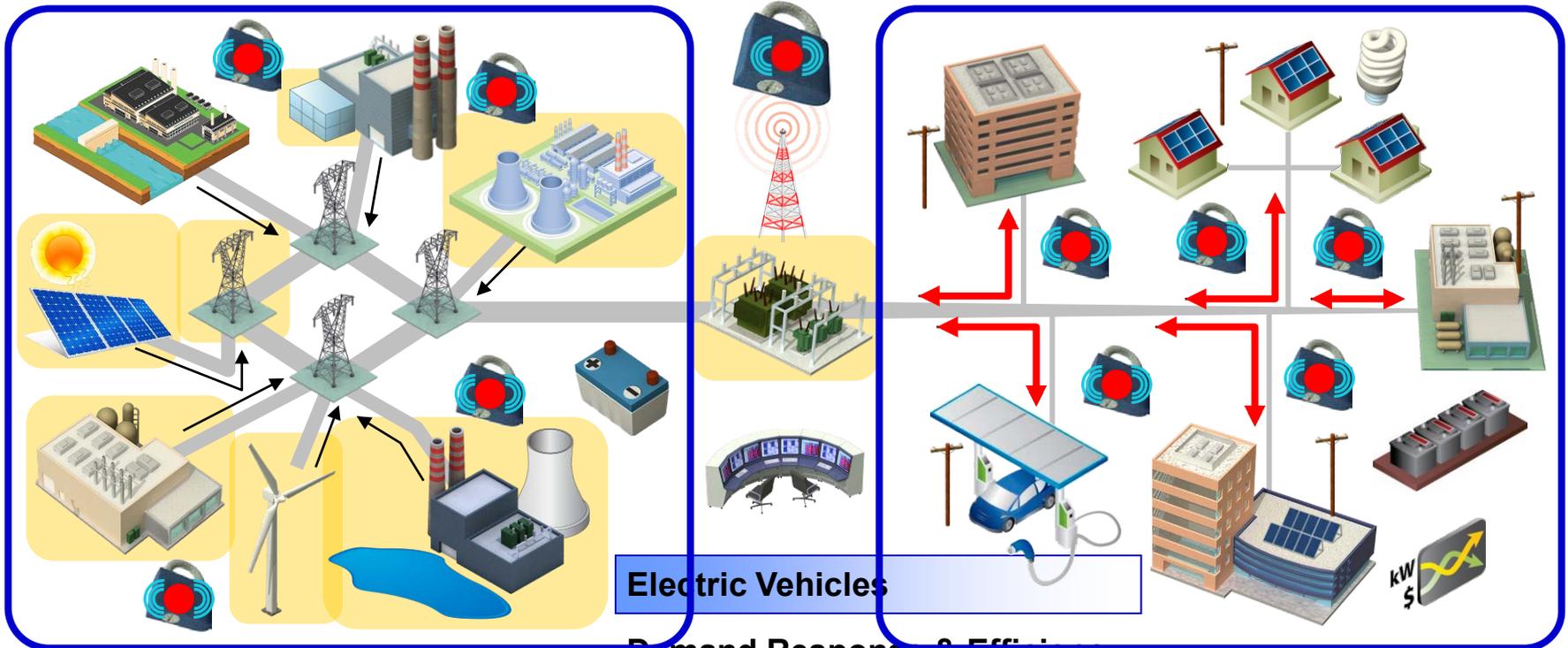


DOE Transmission System Integration Workshop

Michael Heyeck, AEP, Sr. Vice President, Transmission
and
Chair, EPRI Power Delivery & Utilization Sector Council

November 01-02, 2012
DoubleTree Hotel, Crystal City
Washington D.C.

Tomorrow's Power System



Requires a full portfolio of innovative technologies.

Long-Term Operations

Supply to Demand

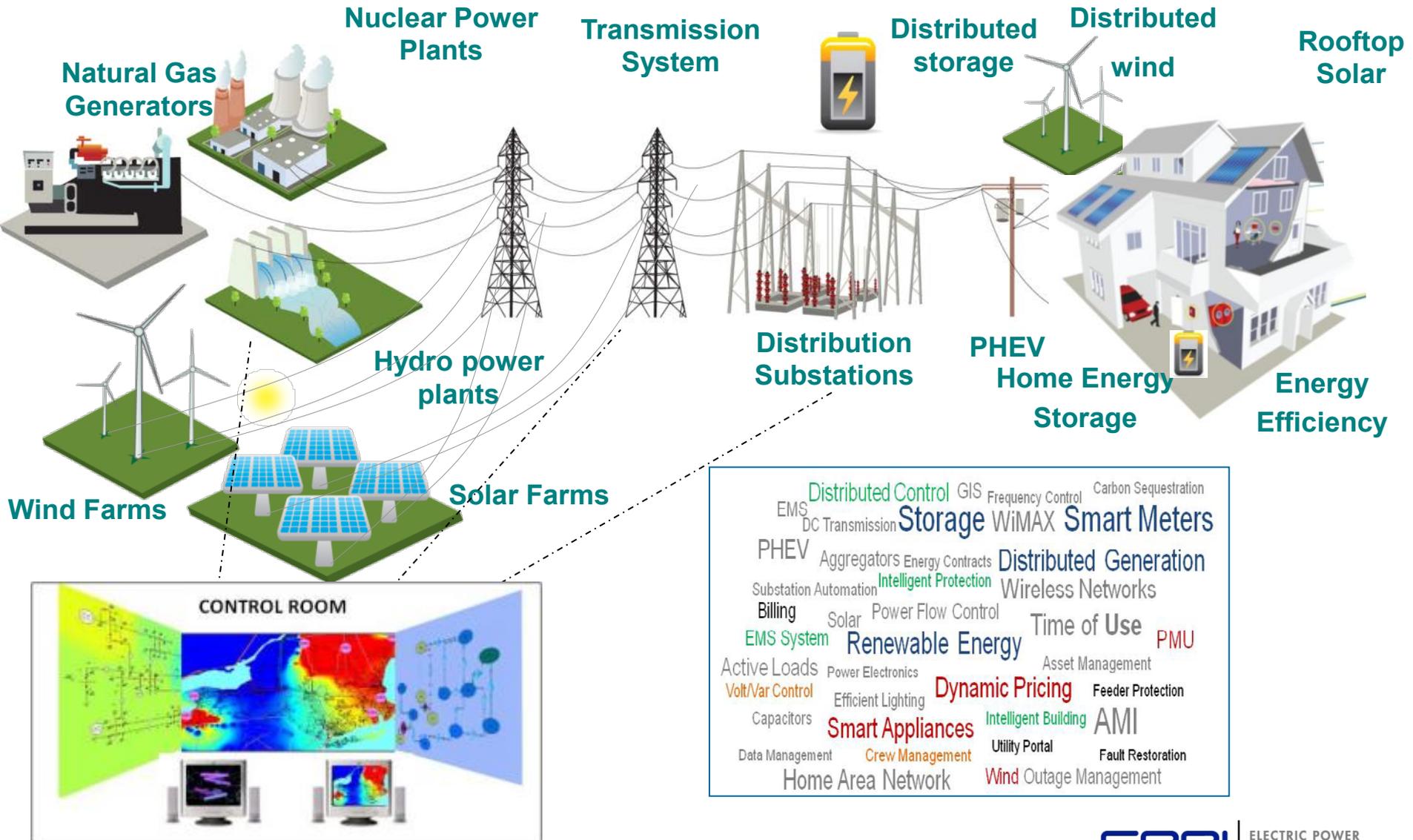
Renewable Integration

One size does not fit all

Water Management

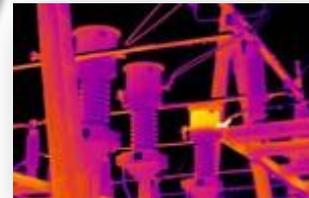
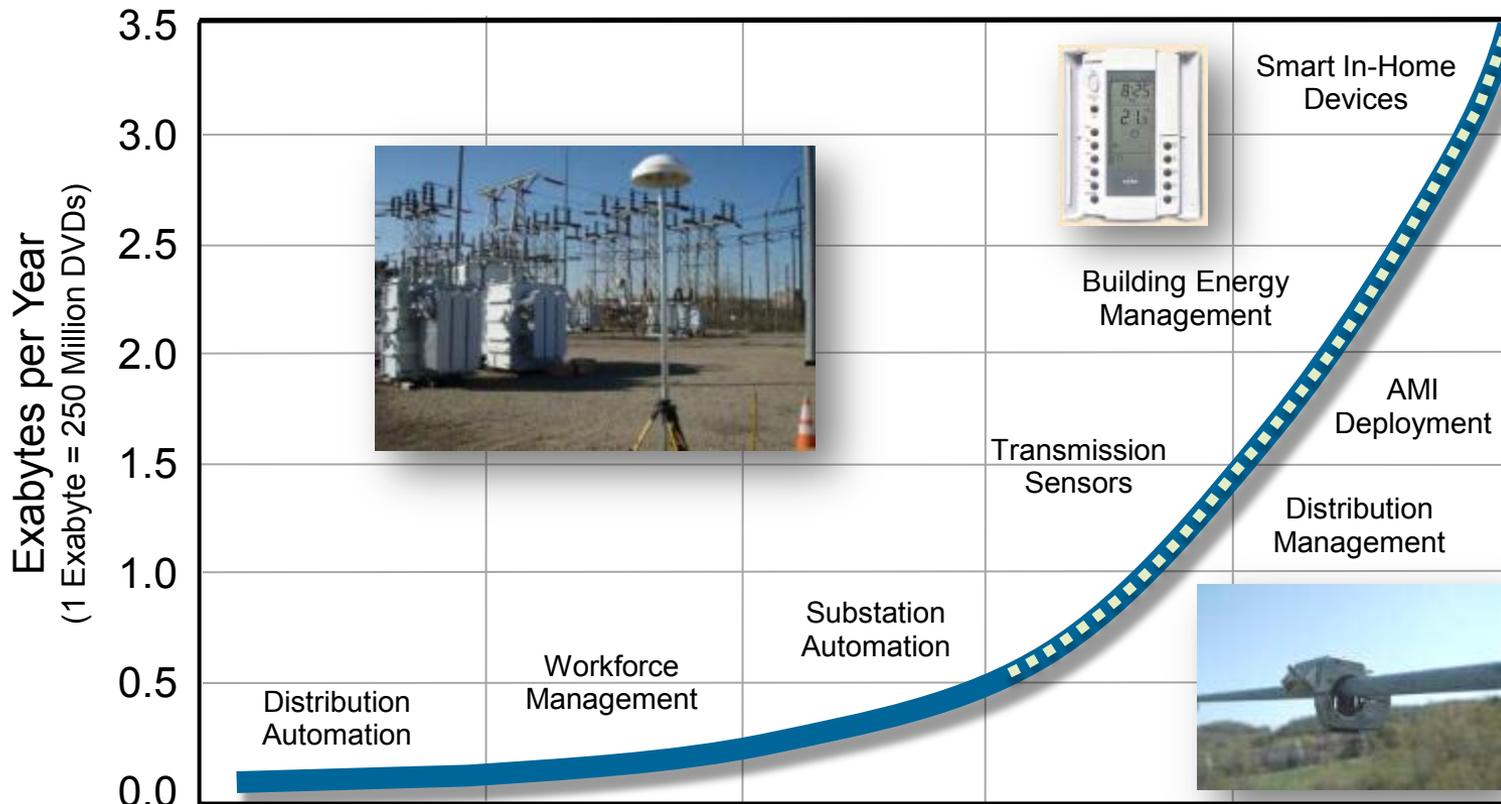
Cyber Security

Grid Transformation to Ensure Reliability, Efficiency, Resiliency and Security



Data to Action

Improved Power System Visualization and Reliability



Requires a Next Generation EMS

Source: EPRI