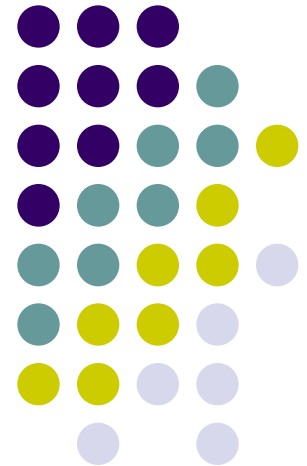
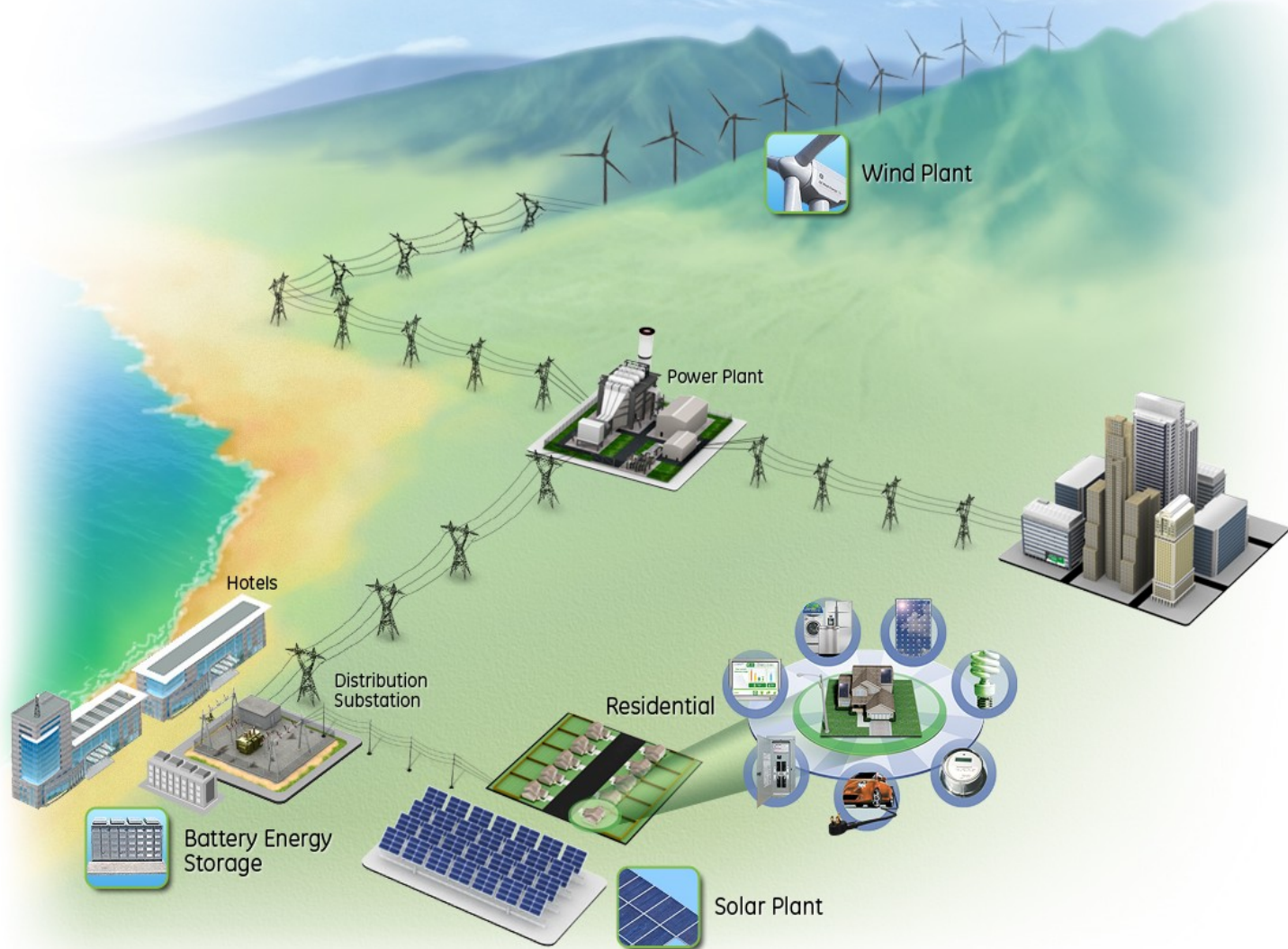


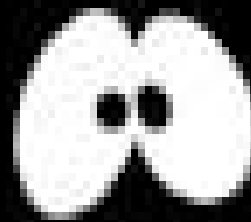
Smart Grids and Users

Rasha M. El Azab.



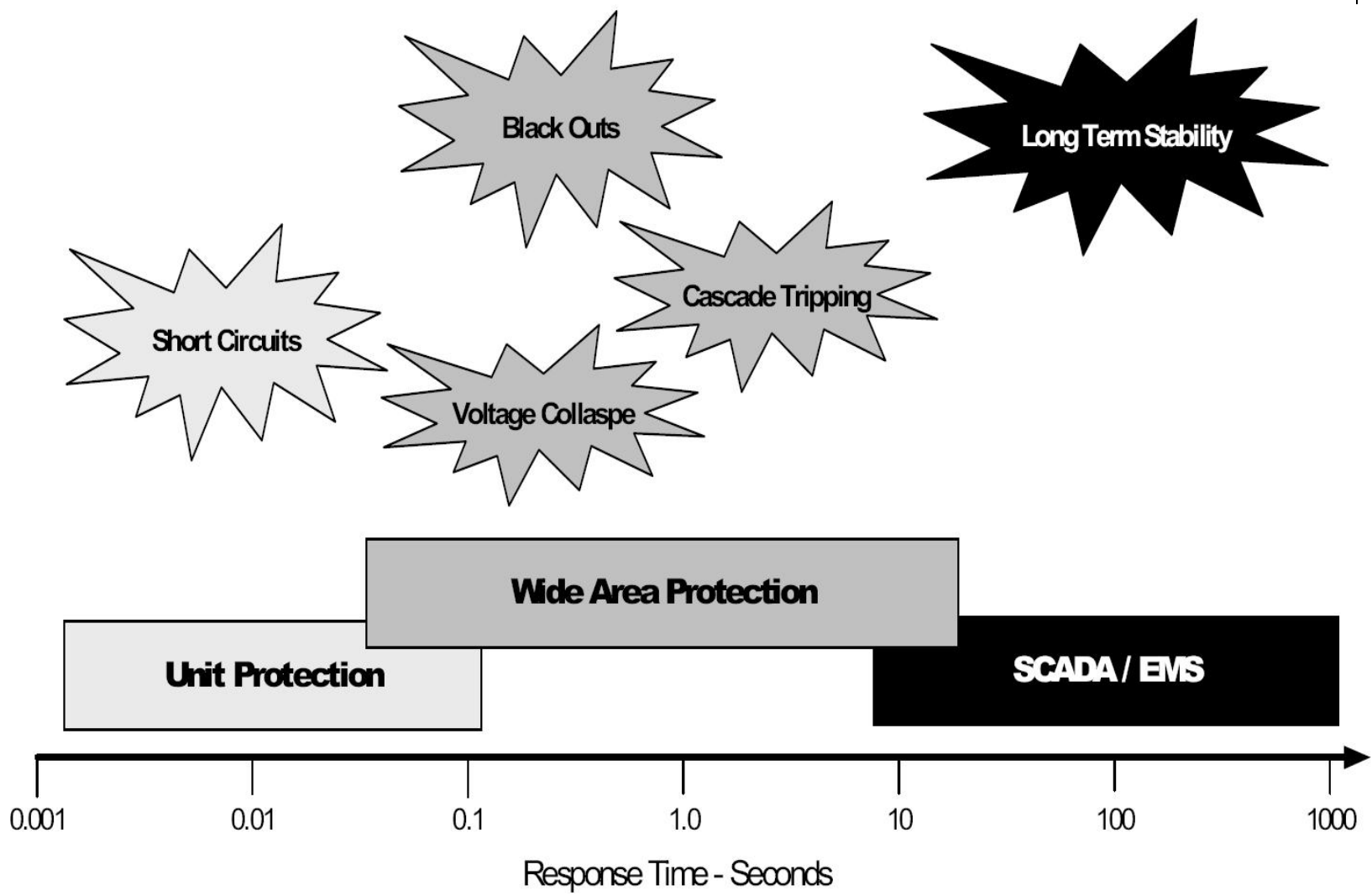
Smart Grids

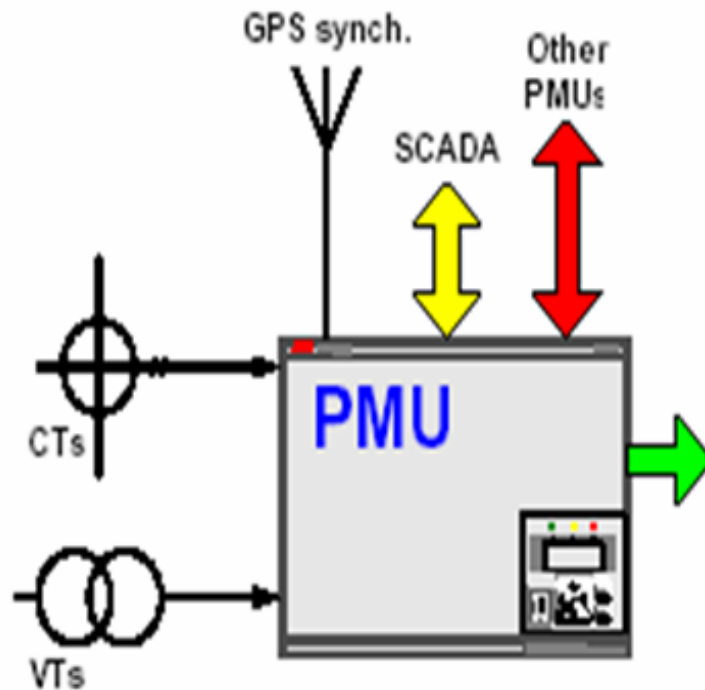
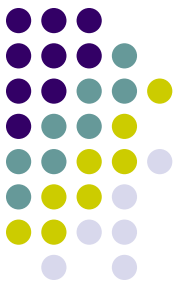




Anybody Out
There?

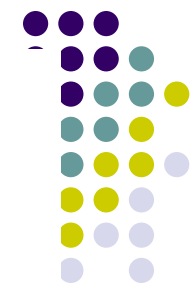
BLACK OUT



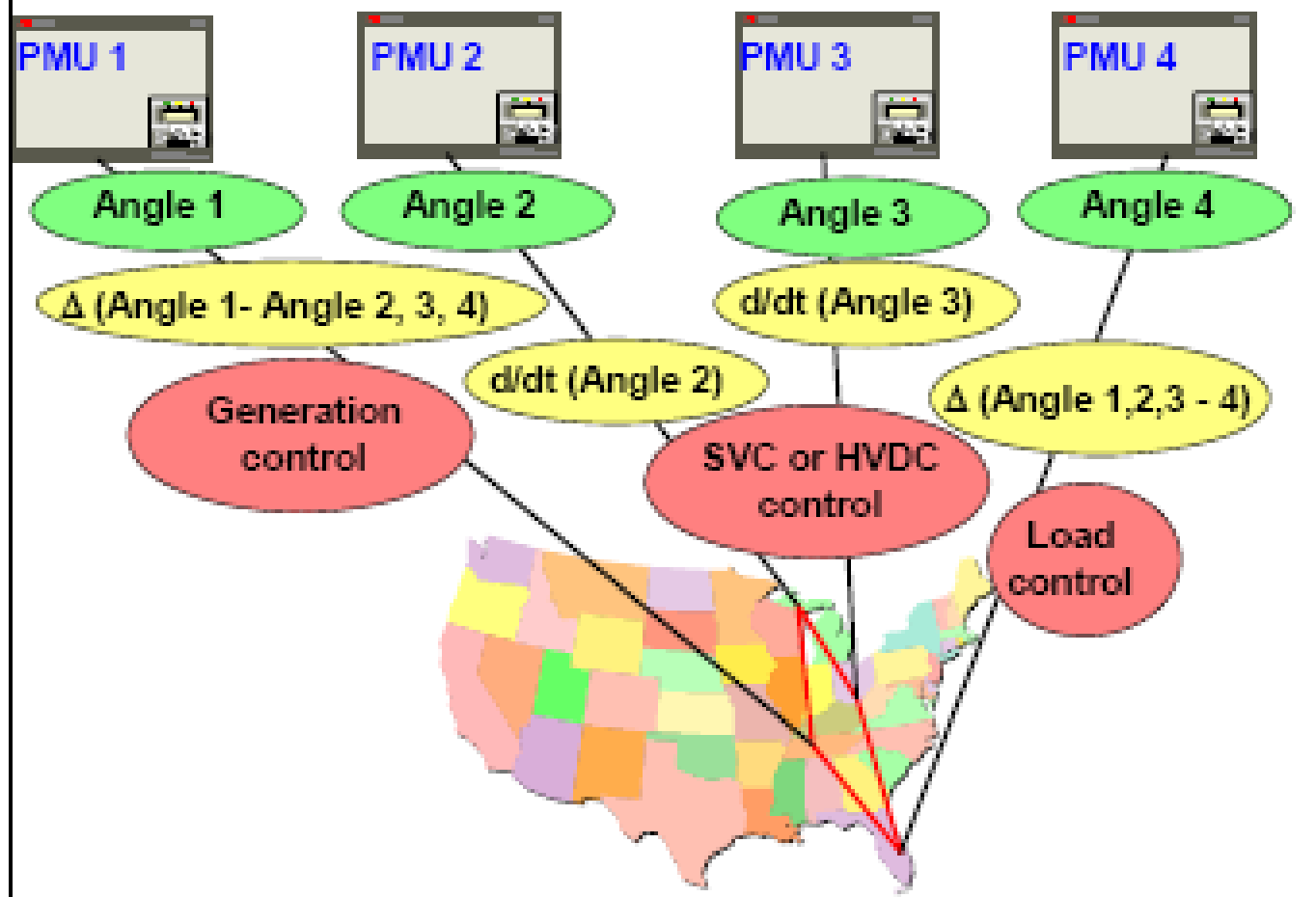


Output :

- phase voltage and current phasors
- Sequence voltage and current
- real and reactive power
- phasor difference
- f and df/dt
- trip signal
- control signal

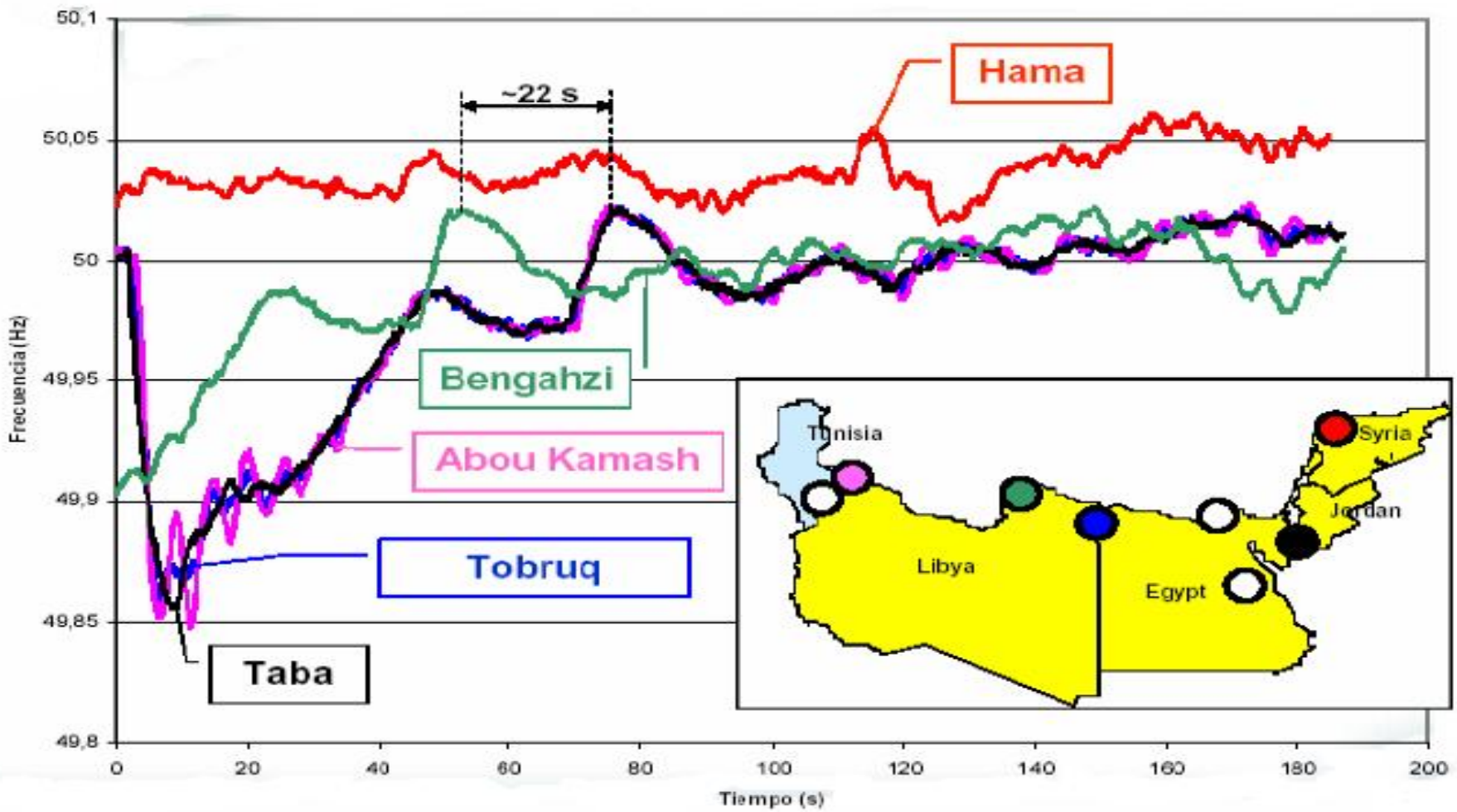


Interconnected PMUs for Angular Stability Control

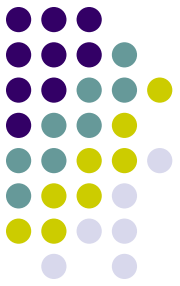


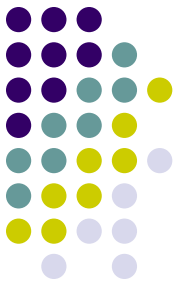


RED ELÉCTRICA DE ESPAÑA

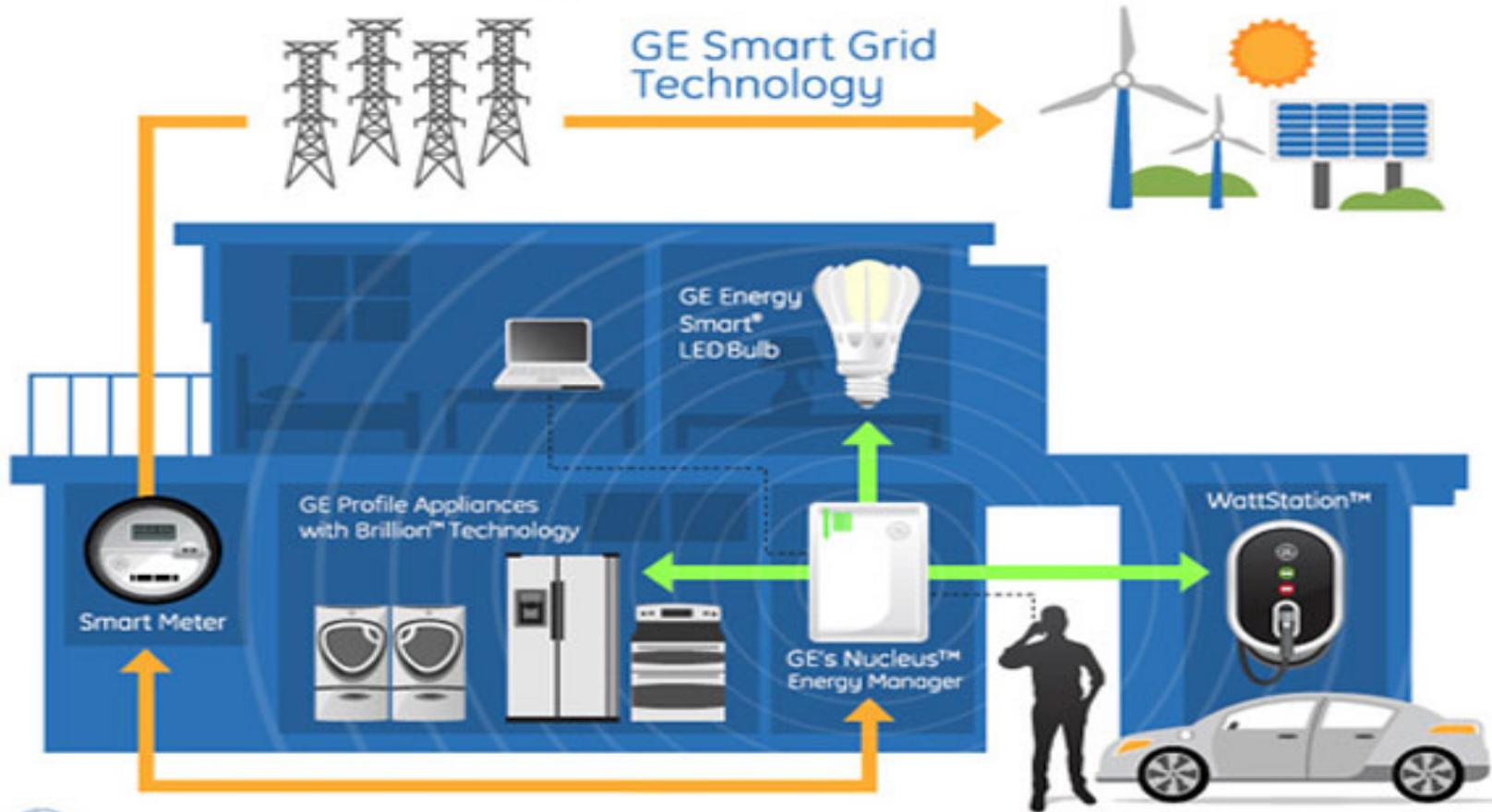


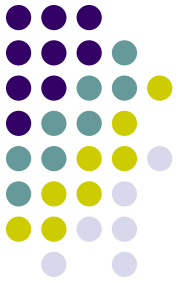
Smart Users





Smarter GE Appliances for a Smarter Home





THANK YOU