

# Cisco Smart Grid

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# Florida Smart Grid

- initial Pilot 50.000 Smart Meter in 2008
- second phase add. 50.000
- goal 1 mil. Smart Meter until 2012
- invest \$700 mil.



# Florida Smart Grid Pilot Results

- Smart Meter consumer appliance control
- saved in average 5% per resident

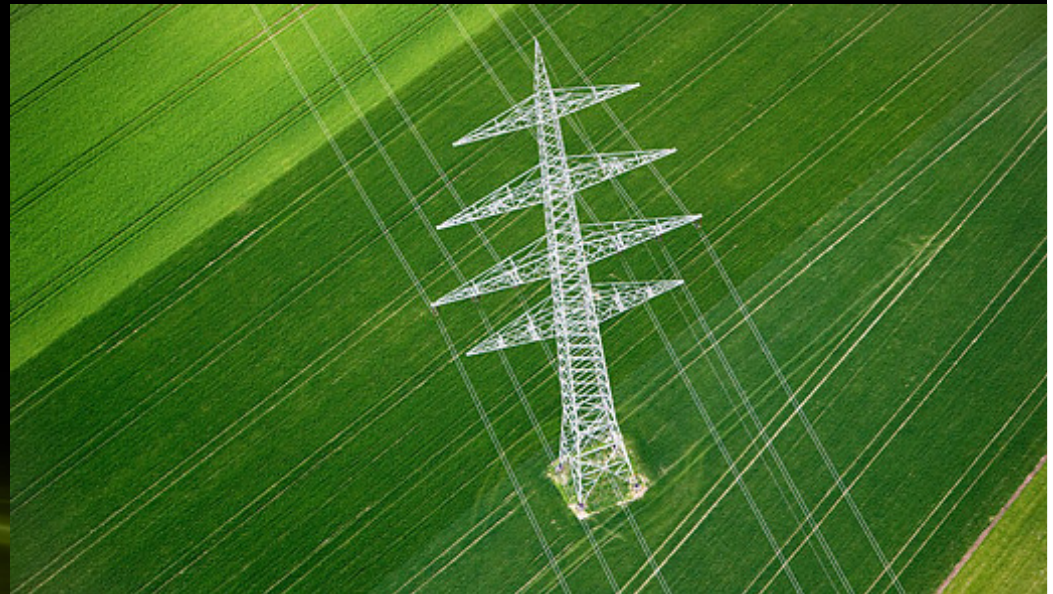




# Solution Components

- in-home **energy displays** to manage electrical loads and lower power use during peak periods
- **smart appliances** that can communicate with smart meters to reschedule high-energy functions or switch to a lower-consumption mode during peak demand periods
- programmable and **smart-meter-controllable thermostats**
- **demand management** and **demand response software** that will manage consumer appliances

**goal to create  
1.000 new Jobs**



# Florida Smart Grid City

- 19,500 homes solar powered
- 75 megawatt solar generation
- \$300 mil. invest

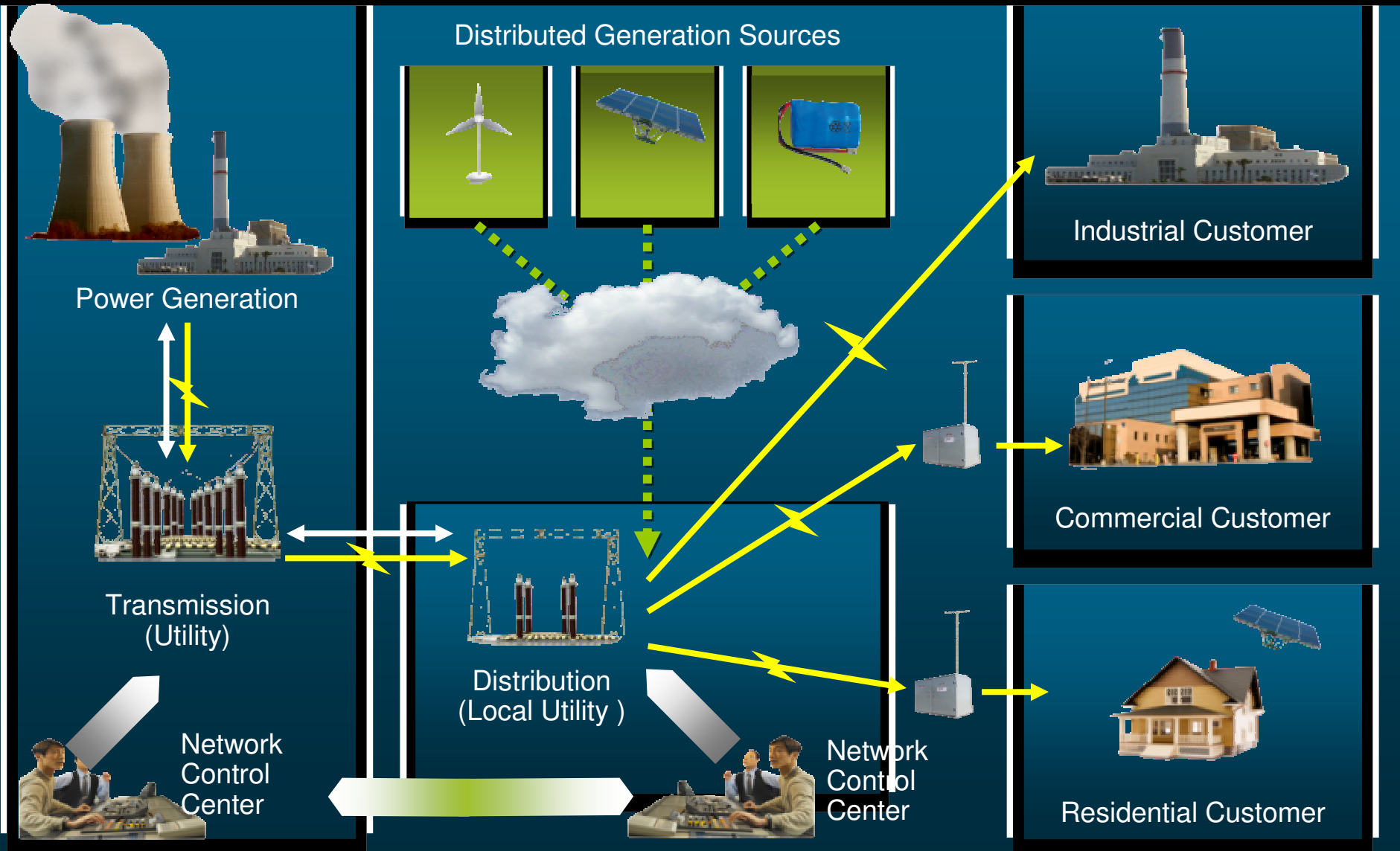
**Establish  
a Green Living  
Society**



# Power Management

## Today's Electrical System

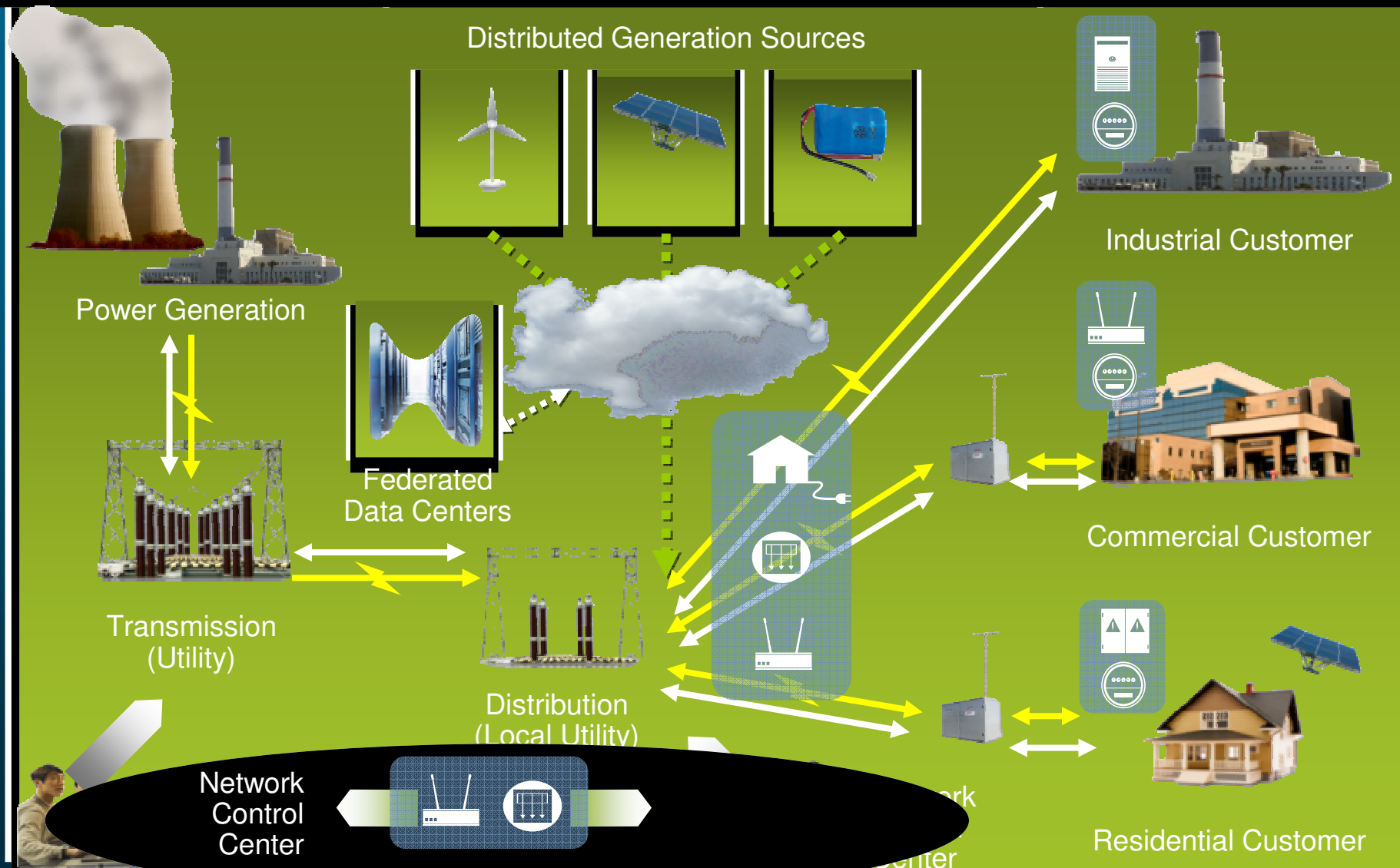
→ Energy ← Information



# Power Management

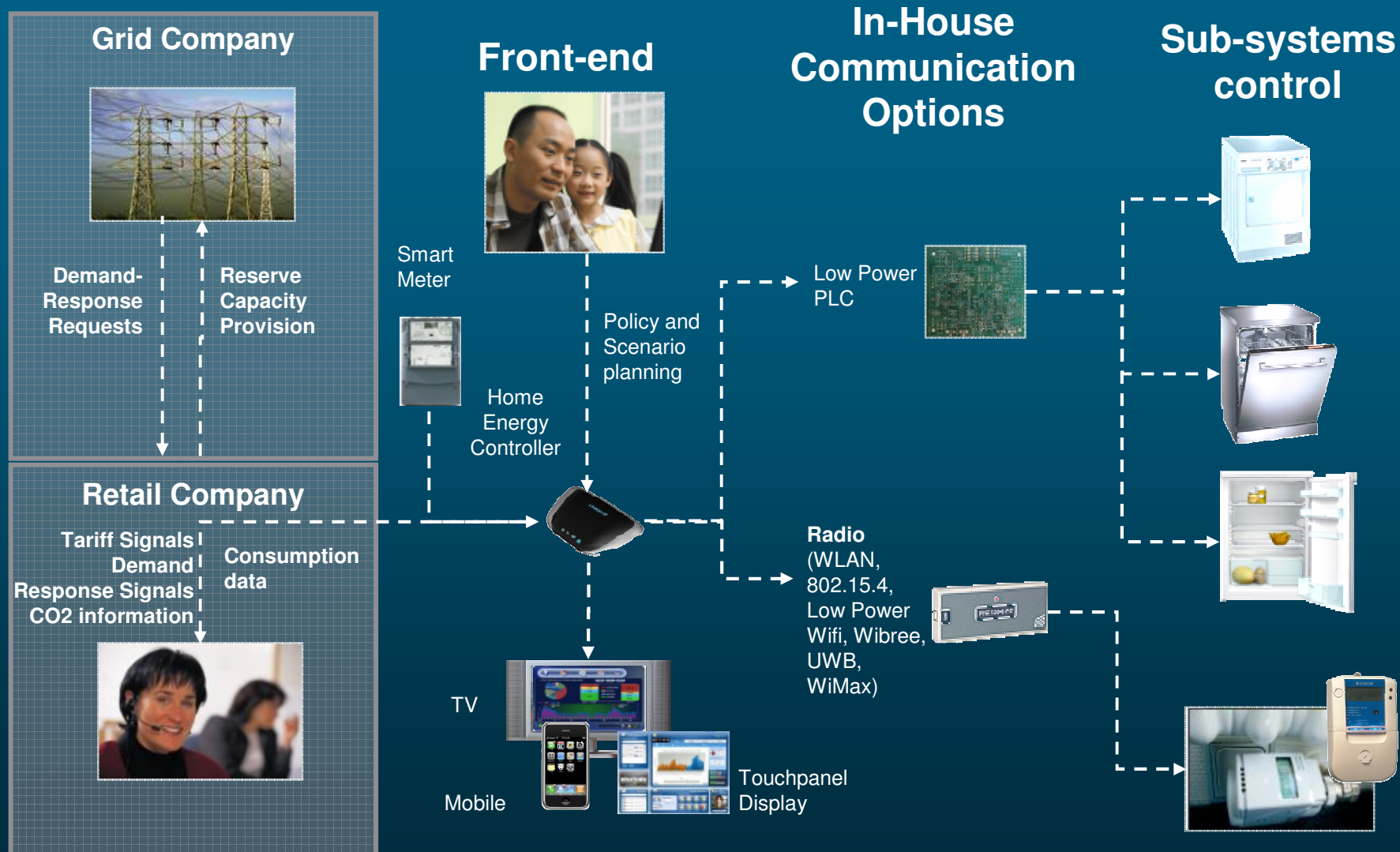
## Smart Grid

→ Energy ← Information

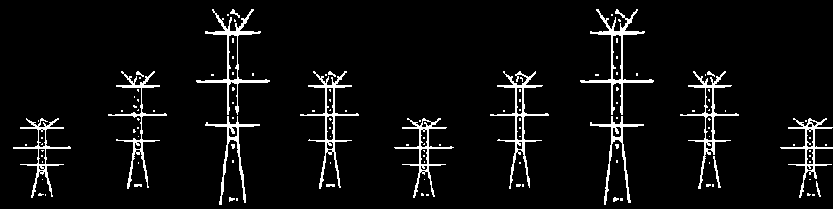




# Smart Grid Home Energy Management







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