



# NTT Data's Solutions and Services for the Power Industry

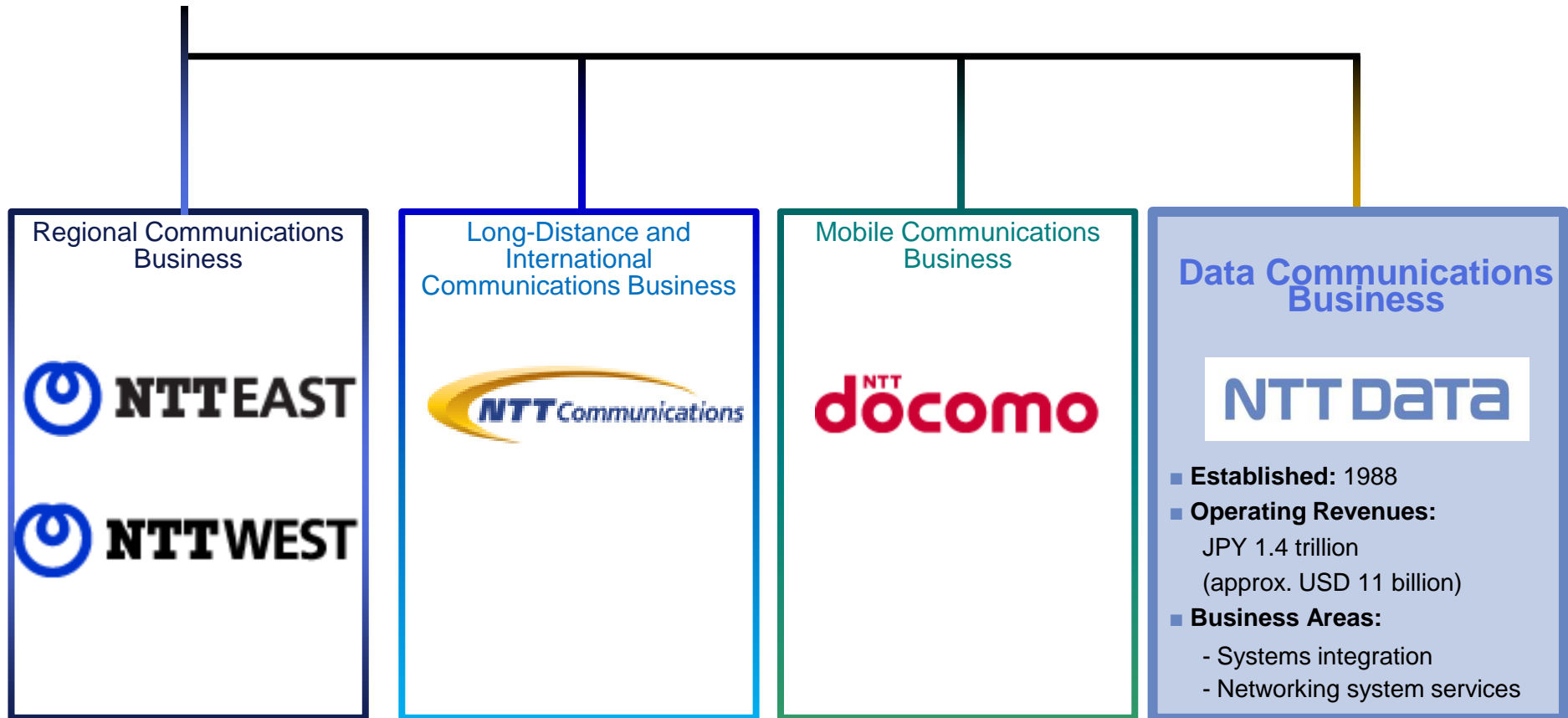
July 27, 2015

**NTT DATA**



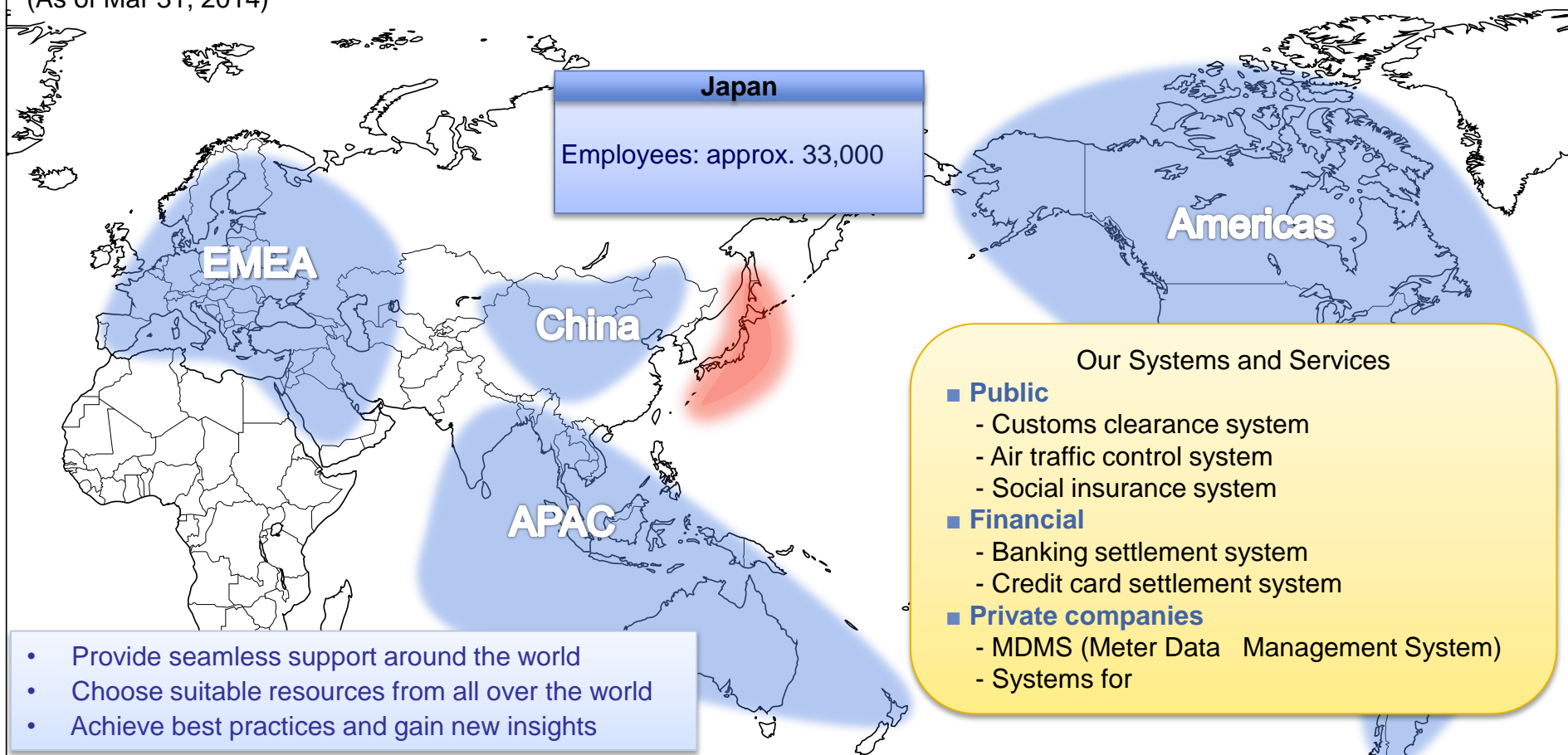
Nippon Telegraph and Telephone Corporation (Holding Company)

**NTT Group**  
Employees: 239,750      Consolidated subsidiaries: 946  
Operating revenues: JPY11 trillion (approx. USD 88 billion)(FY2014)



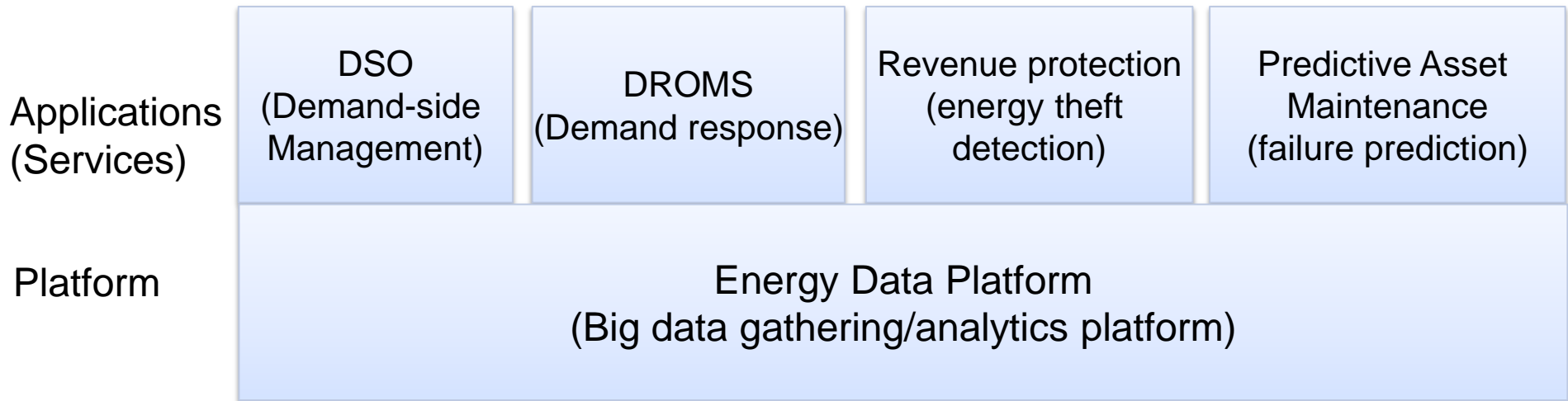
Approx. 75,000 persons deployed in 42 countries and regions around the world.

(As of Mar 31, 2014)



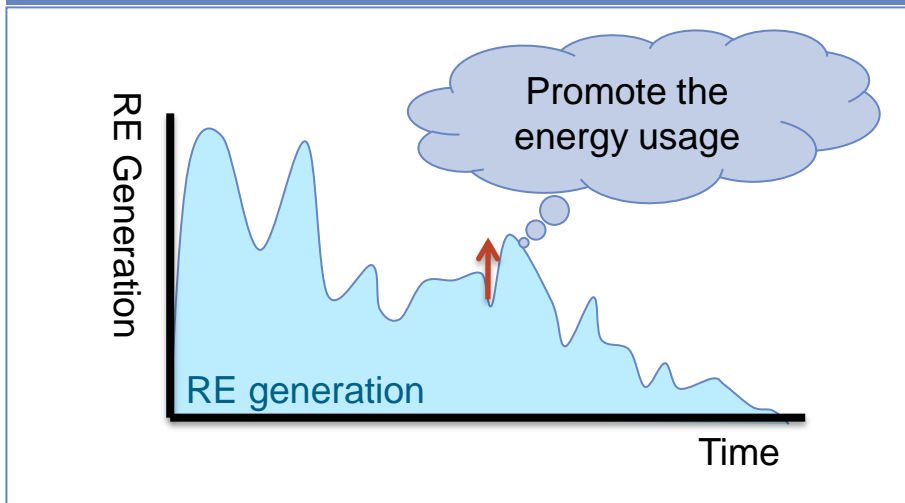
EMEA	APAC	China	Americas
Bases: 78 cities Employees: approx. 13,500	Bases: 24 cities Employees: approx. 10,500	Bases: 13 cities Employees: approx. 4,000	Bases: 60 cities Employees: approx. 14,000

- NTT Data has been engaged in power market in collaboration with California-based startup, AutoGrid Systems, Inc.
- The collaboration areas include demand response (DR) field.

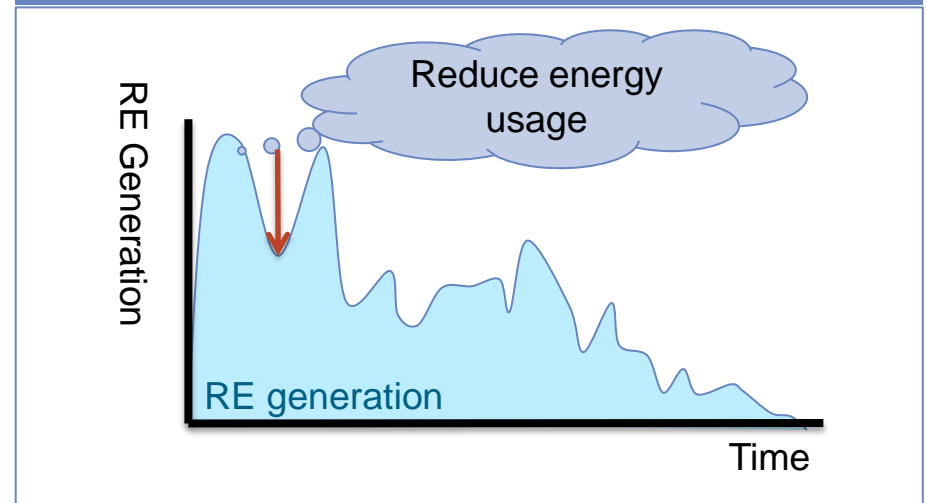


- Influx of renewable energy on power grid may cause unstable power supply. Demand response can be a solution to help stabilize the grid by adjusting consumer's energy demand.
- Also demand response solution can be used to promote consumer's energy usage when renewable energy is abundant, and vice versa.

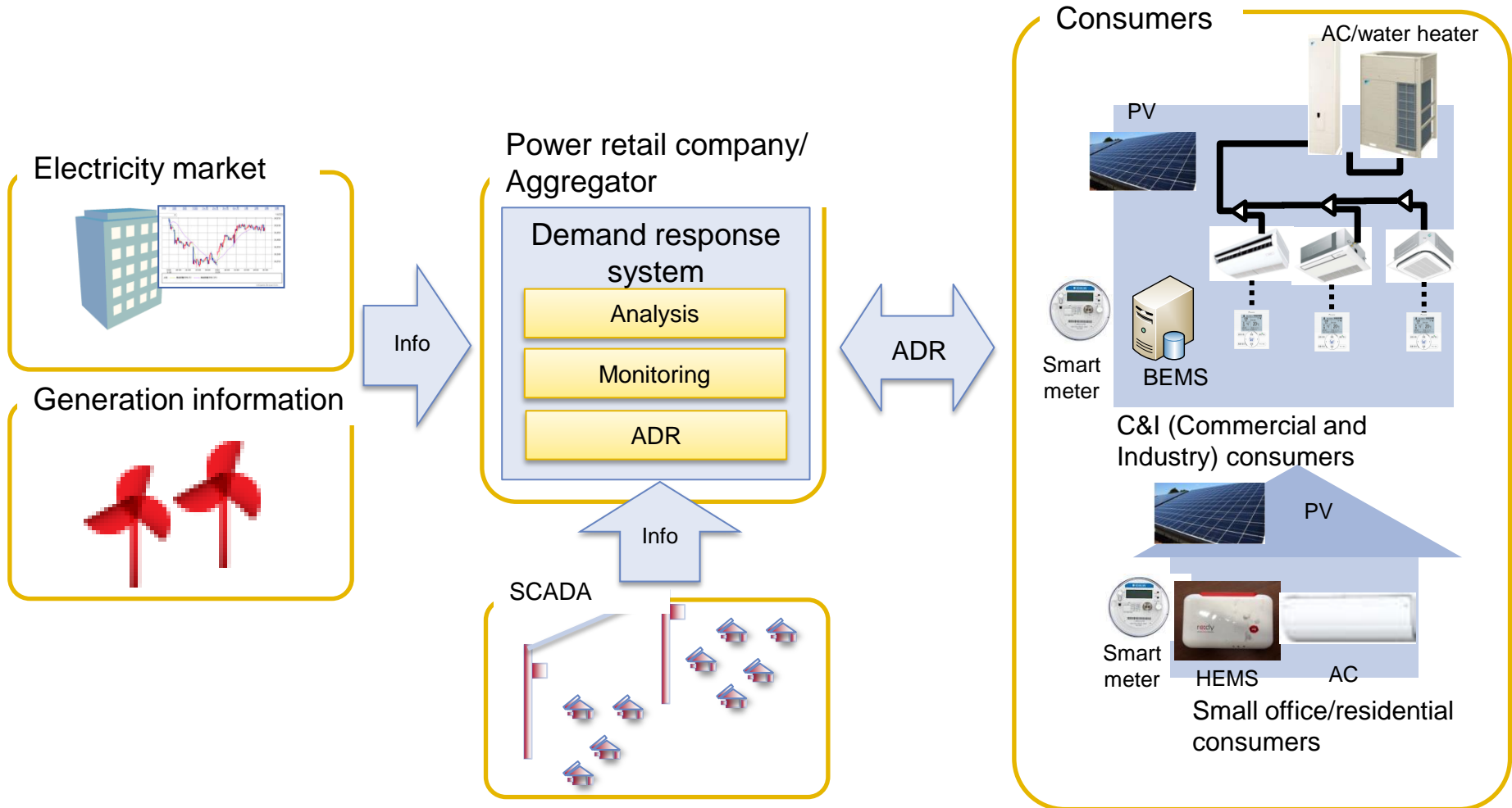
When RE generation output goes up



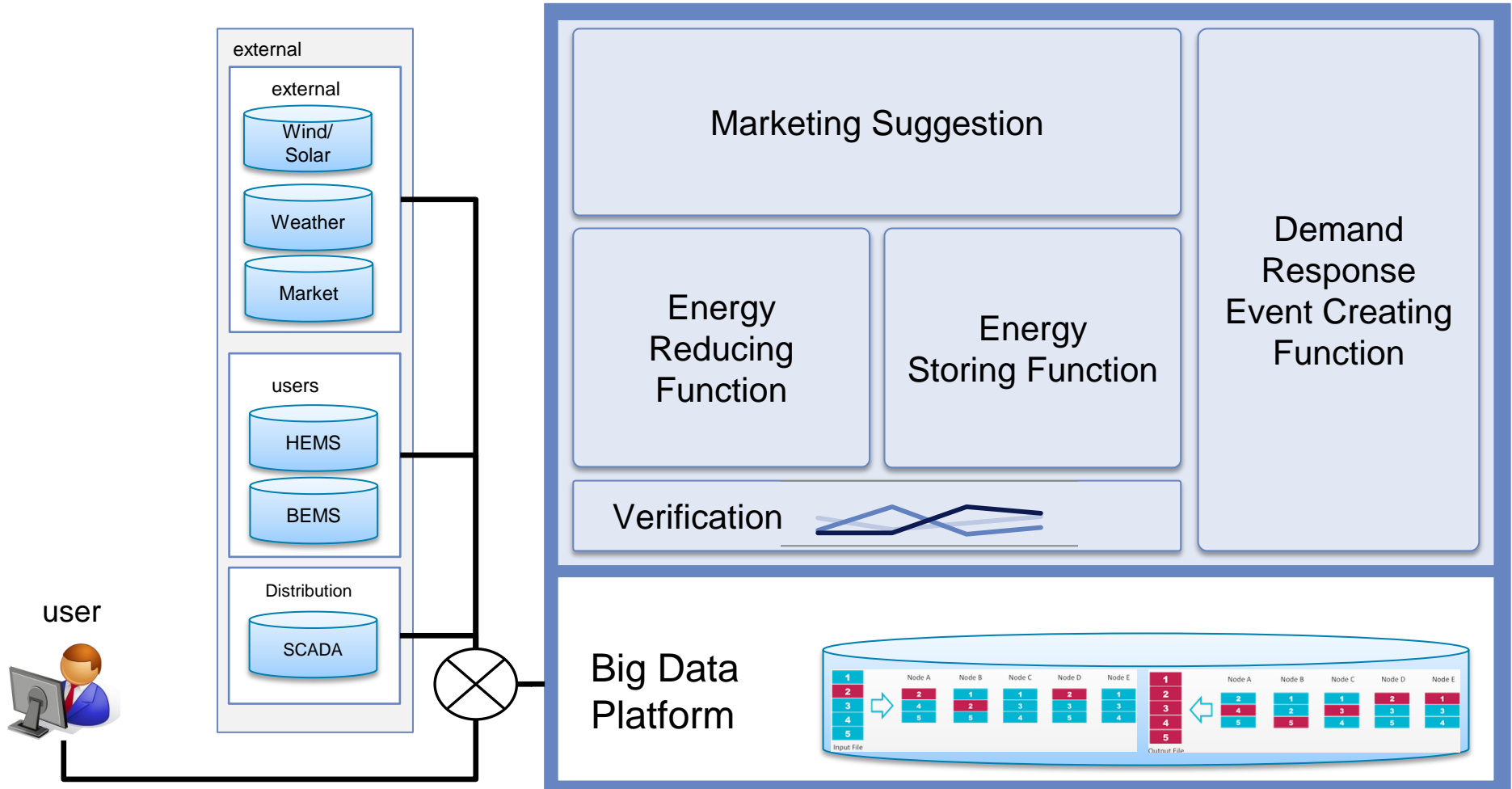
When RE generation output goes down

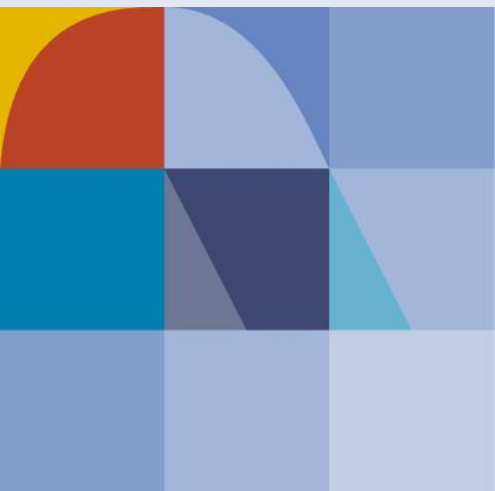


The solution aims to balance power demand and supply by sending signals to energy consumers or directly controlling each consumer's equipment.



Demand response system requires high performance data processing platform that can gather and analyze big data.





# NTT DATA

Global IT Innovator