

### SMART Grid Innovation in the Sub-region and learnings for Bangladesh

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### **SDG Goal Achieve by 2030**

Goal-7. "Clean energy for everyone": Secure access to affordable, reliable, sustainable and modern energy for everyone



PSMP Objective 2016: Quality power not Quantity of Power

**SMART GRID** 

GOAL 7: Clean Energy for Everyone

SDG goal achieve by 2030

### **Challenges Towards The SDG Achievement**



# What Is the Solution of Clean Energy SINGLE **SOLUTION TO** ALL: SMART GRID

# Features of Smart Grid



#### **Structural Model of Smart Power Grid**

#### Model of Smart Power Grid





#### Structural Model of Smart Power Grid



Smart house

(with hydrogen-car generator)

Sources: The Economist; ABB

Smart-office building (with own

generator)

### **COMPONENTS OF SMART GRID**







# **ROADMAP TOWARDS SMART GRID**







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# **KNOWLEDGE SHARING**

Share Knowledge

## Present Scenario of DESCO's SMART Grid

- □ To construct SCADA( Supervisory control and Data Acquisition) system for managing modernization of Electricity distribution.
- GIS mapping will bring in to operations activities.
- □ SMART' metering installation work is going on.
- 20 Nos Distribution Substation out of 35 is under Substation Automation System.
- Call Center is established