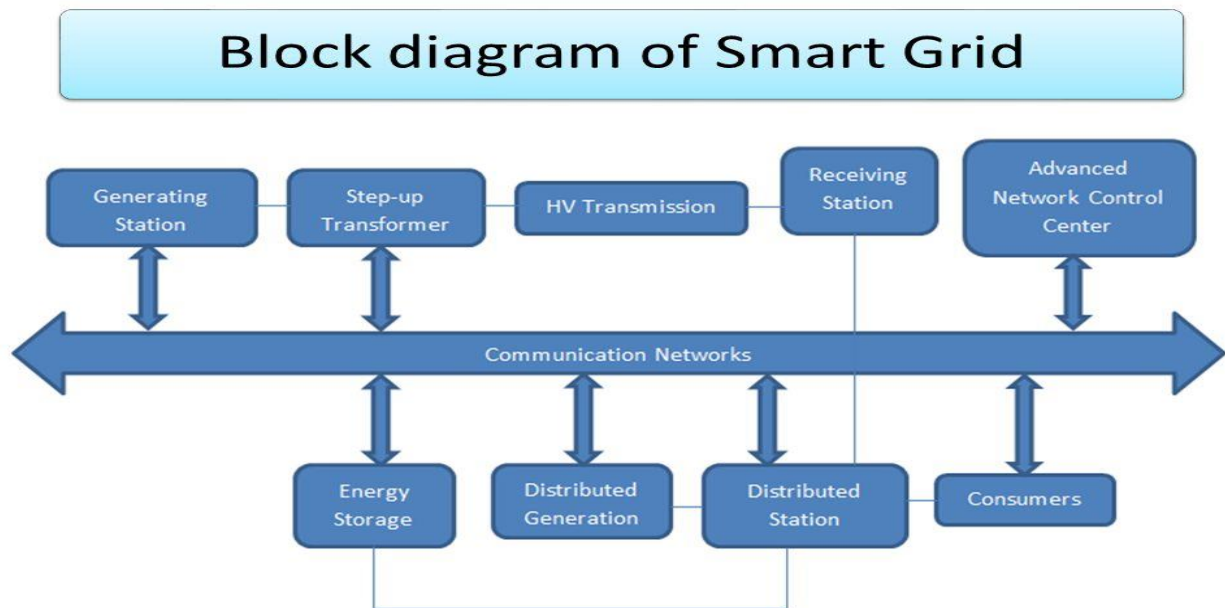


SMART GRID

- A smart grid is an electricity network based on digital technology, used to supply electricity to consumers via two way digital communication.

Smart grid = Grid + Digital station

- This system allows for monitoring, analysis, control and communication within the supply chain to improve efficiency, reduce the energy consumption & cost and maximize the transparency and reliability of the energy supply chain



➤ key features of smart grid

- 1) Self Healing.
- 2) Operates resiliently against both physical and cyber attacks.

- 3) Active participation by consumers in demand response.
- 4) Accommodates all generation and storage options.
- 5) Provides quality power.
- 6) Optimizes operating efficiency.
- 7) Enables new electricity market.

Components of smart grid

- 1) Smart appliances ,like smart sensors,temp. sensors.
- 2) Smart meters.
- 3) Smart substation.
- 4) Superconducting cables.
- 5) Synchro phasors.

Smart grid initiatives in India

- Government the country of India introduced a public & private partnership called Indian smart grid forum in order to develop smart grid technology in.
- ISGF mainly introduced to attain the important requirements of industry for implementing a good and strong smart grid in the country.



THANK YOU

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