

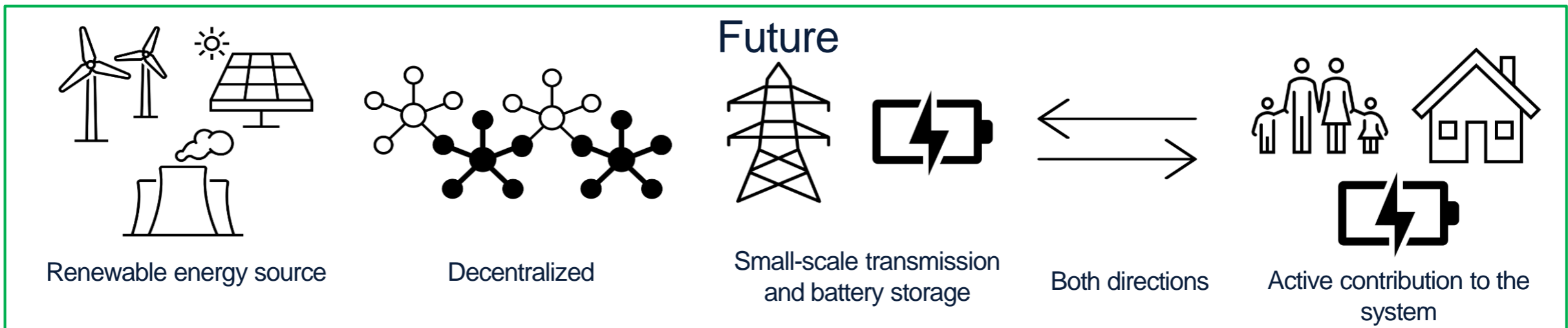
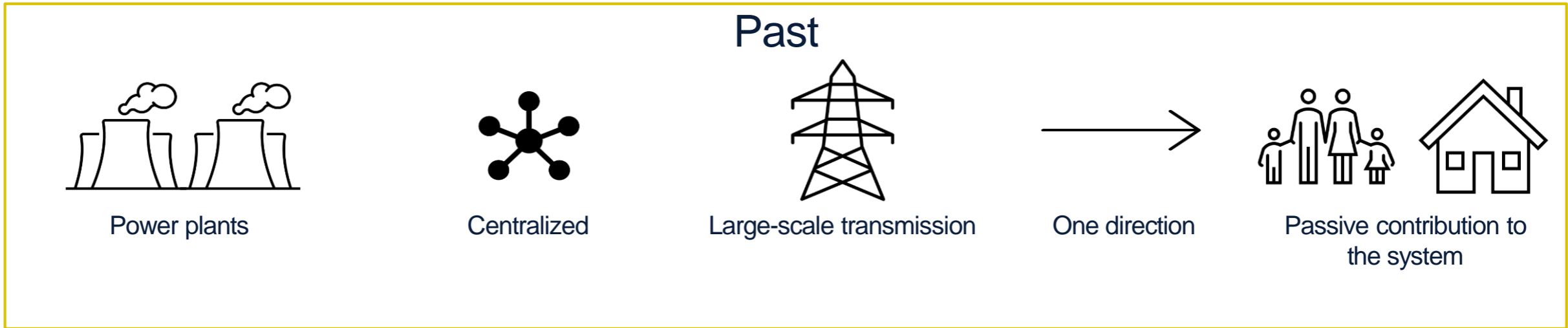
Digitalization in Energy Transition and Water Management

Applications from the Energy Sector

Digitalization will not only transform the energy sector but will also accelerate the transition to net zero targets



Smart Grid will enable the integration of renewable energy sources to the grid



Digitalization in Water Management will help mitigate risks and increase operational efficiency

Smart water metering

- Demand management and operational efficiency
- Monitoring of water usage

SCADA system¹

- Quantity monitoring
- Quality monitoring

Urban flood alert

- Stormwater management
- Real-time identification of areas of potential flood risk

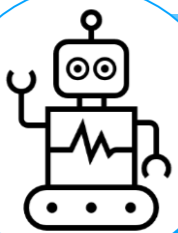
Predictive maintenance will revolutionize how maintenance activities are performed



Machine learning algorithms will enable energy companies to take a data drive approach in making decisions. In the long term, machine learning will be able to self-monitor the plant and take preventive measures.



Artificial Intelligence will enhance the ability for identification of potential anomalies, and inefficiencies that are compromising the functionality of the plant.



Robots & Drones will be responsible for plant inspections which will reduce risk of injury, reduce time, and increase the accuracy.

Digital technologies enable energy companies to monitor its Energy and Emission factors in real-time

