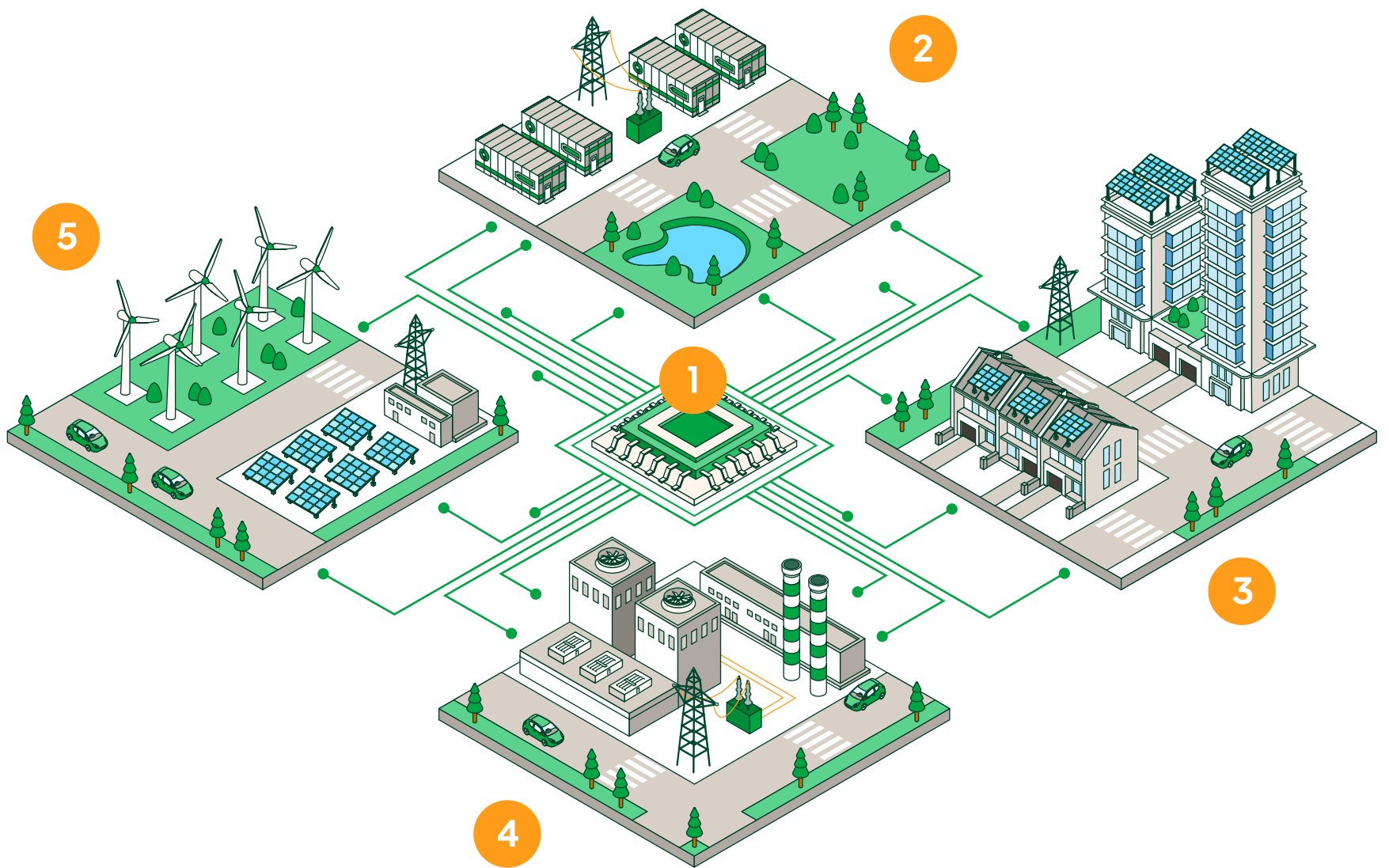
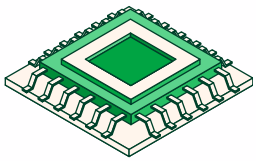


# How do microgrids work?

Off-grid electricity system that uses and integrates renewable sources to cover the energy demands of a small community, which is normally isolated from the conventional electricity grid.

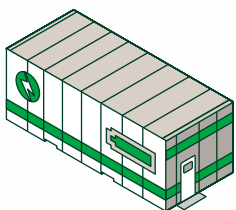


1



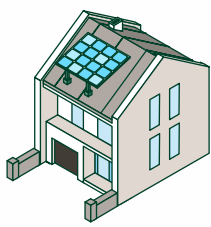
They usually operate independently and isolated from the conventional electricity grid.

2



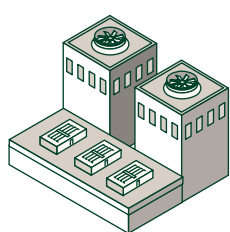
In periods of low renewable generation, microgrids guarantee electricity supply through battery storage.

3



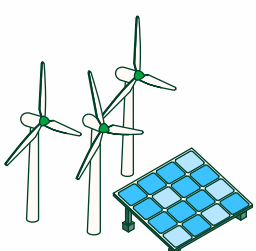
A nearby community consumes the energy generated during the day. Electric vehicles can also be connected to the microgrid.

4



A power plant intelligently controls and manages the electricity distributed to the community.

5



Photovoltaic panels or wind turbines installed close to the microgrids capture renewable resources and convert them into clean energy.