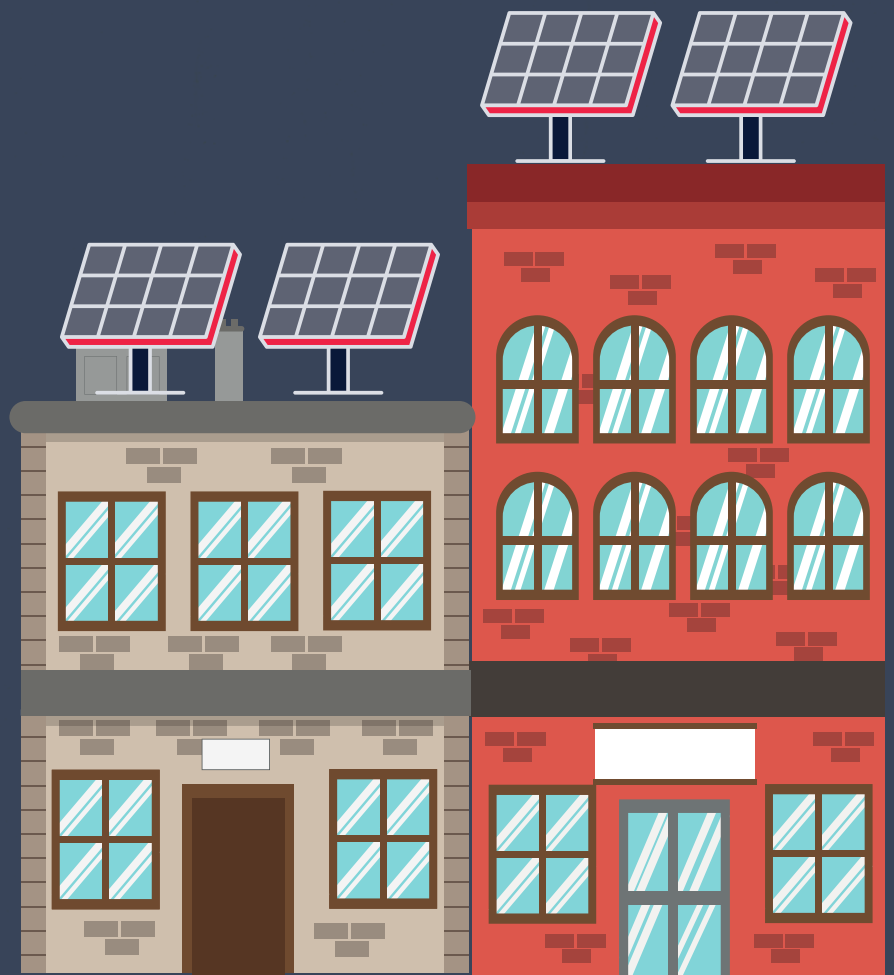
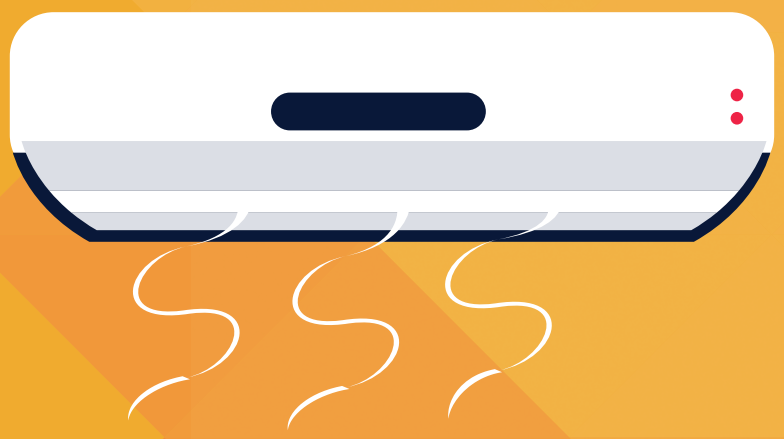
Clean Technology

What are the essential parts of a community microgrid?



SOLAR PANELS

Solar panels create local energy from sunlight. They are located on your roof or parking canopy!

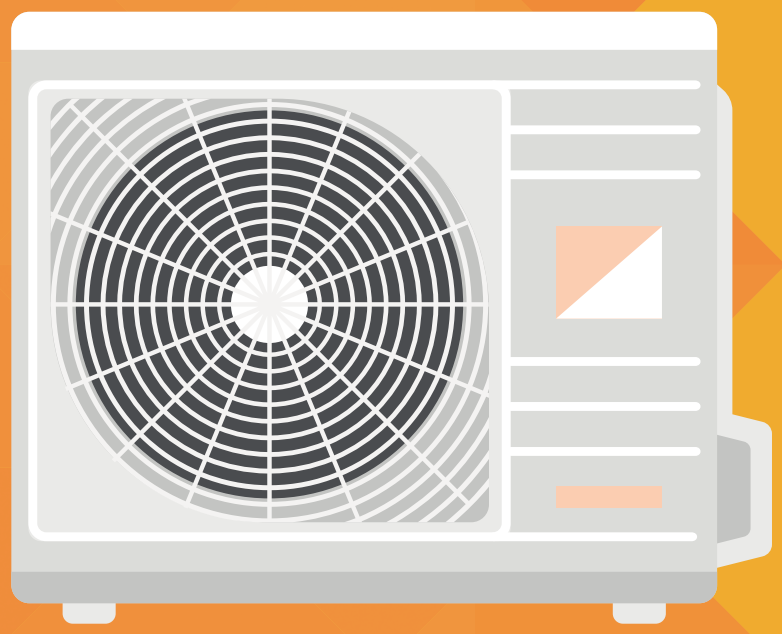


Inside your home!

AIR SOURCE HEAT PUMP

AKA mini splits, they heat & cool!

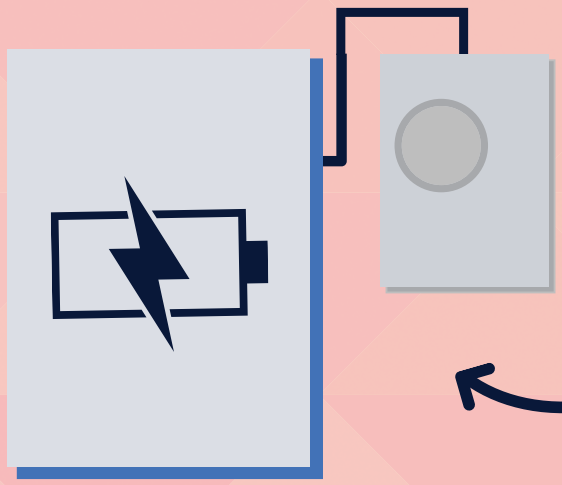
Outside your home!



They're super efficient so they'll save you $$.

BATTERIES

This example is industrial sized!



Smaller units can serve one home!

Batteries store energy & release it when needed!

ENERGY EFFICIENT TECHNOLOGY

Technologies like LEDs, programmable thermostats, and smart appliances use less energy!

BIO-FUELED GENERATOR

A back-up power source that doesn't use fossil fuels!

***Not all biofuels are completely "clean." Some are more environmentally responsible than others.**

CLOUD-BASED SOFTWARE

Critical facilities

Homes

Back-up bio-fueled generators

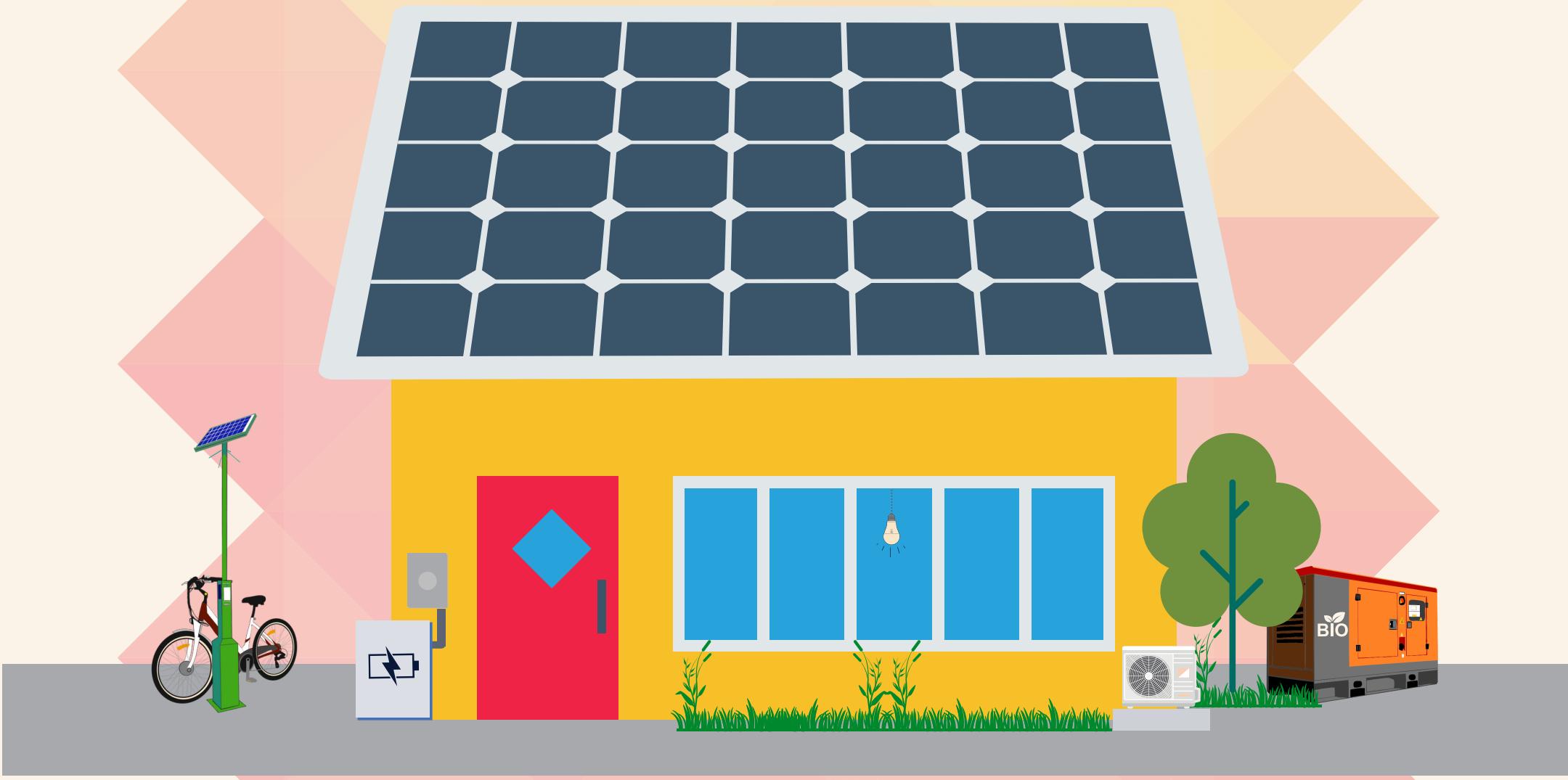
Batteries

Solar panels

Energy efficient technology

.... all working together!

DISTRIBUTED ENERGY RESOURCES



All of the above are examples of Distributed Energy Resources (DERs) that make up a microgrid!

DERs

These DERs are examples of technologies that a microgrid uses!