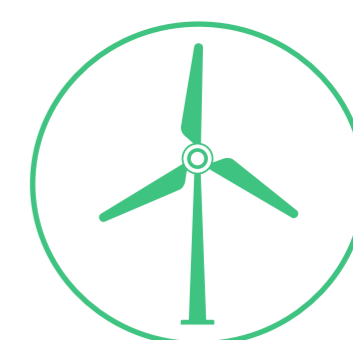
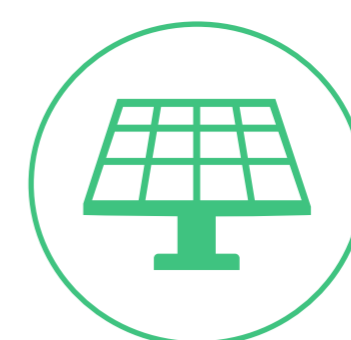
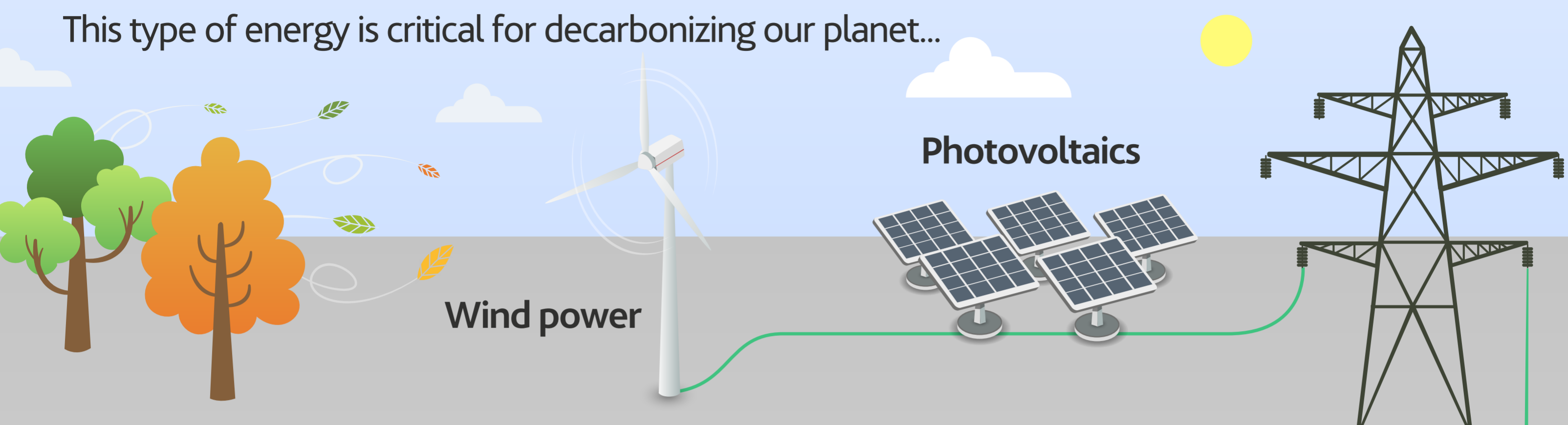


CAN WE BOTTLE THE WIND AND THE SUN?



THE NEW TECHNOLOGIES FOR RENEWABLE ENERGY STORAGE

This type of energy is critical for decarbonizing our planet...



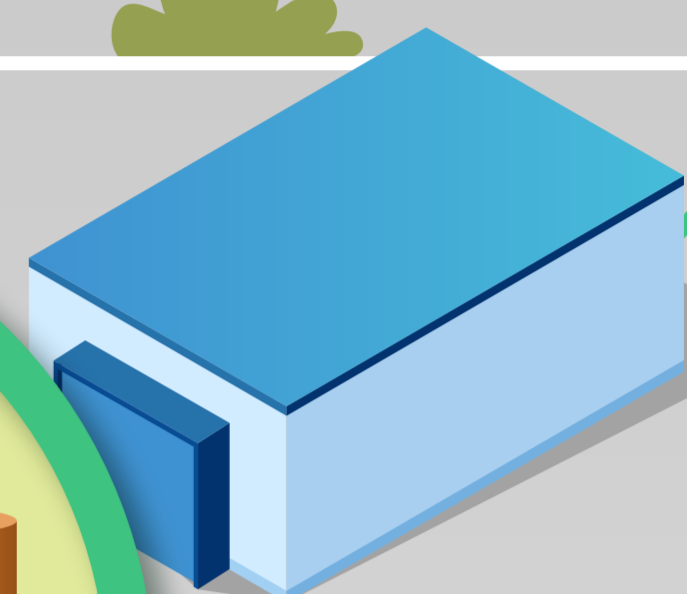
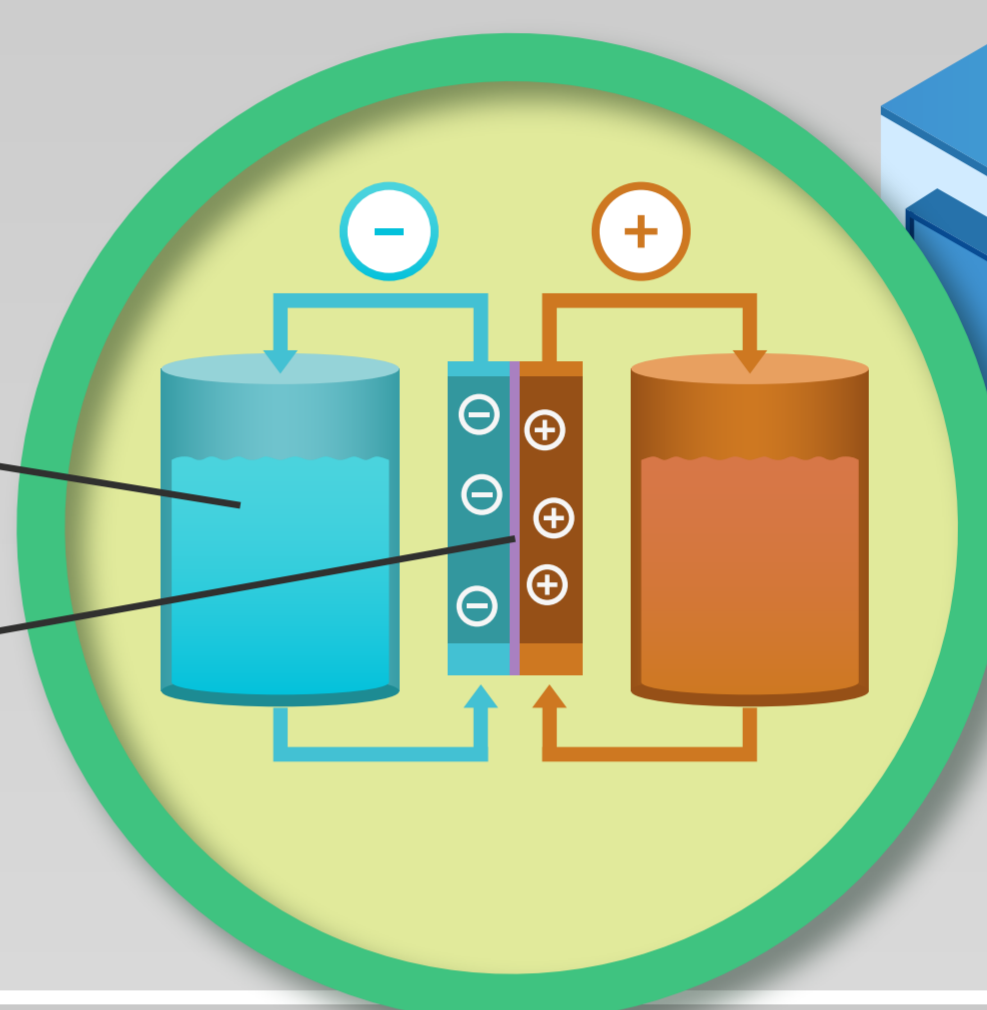
It still relies on the weather, but these technologies will enable its storage.

REDOX FLOW BATTERIES

Ultrafast and unlimited charging liquids

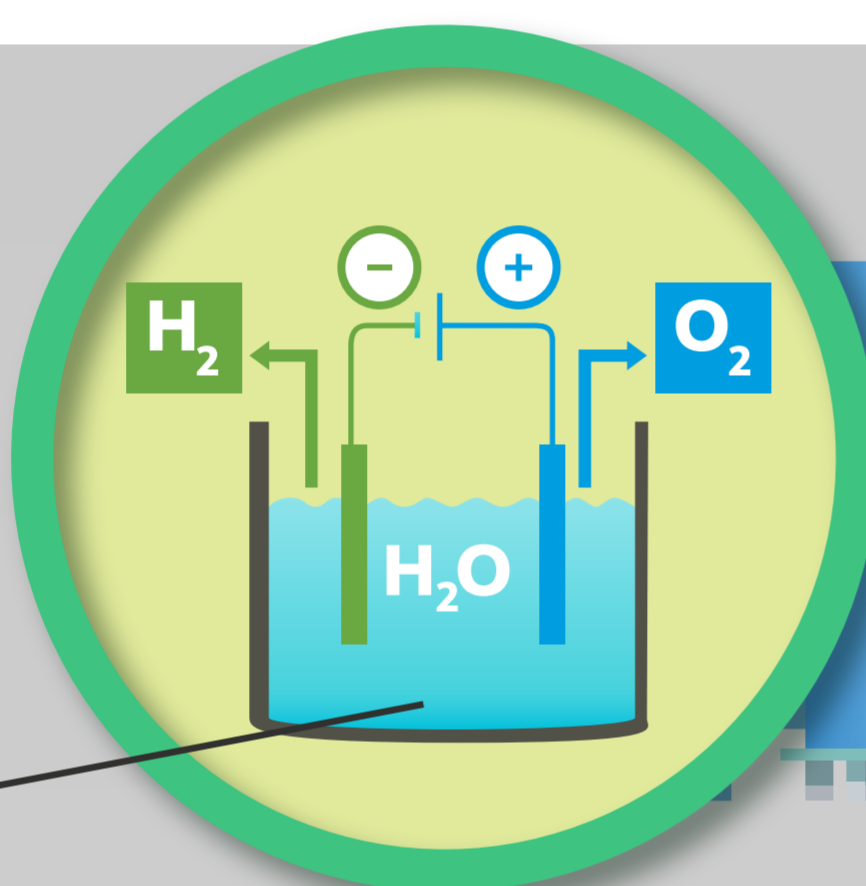
Electrochemical liquid solutions

The ion exchange membrane releases electricity



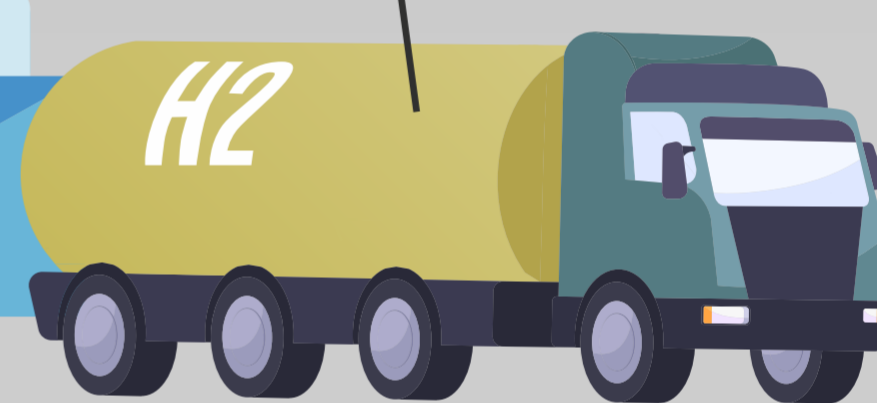
GREEN HYDROGEN

Generating fuel through water electrolysis



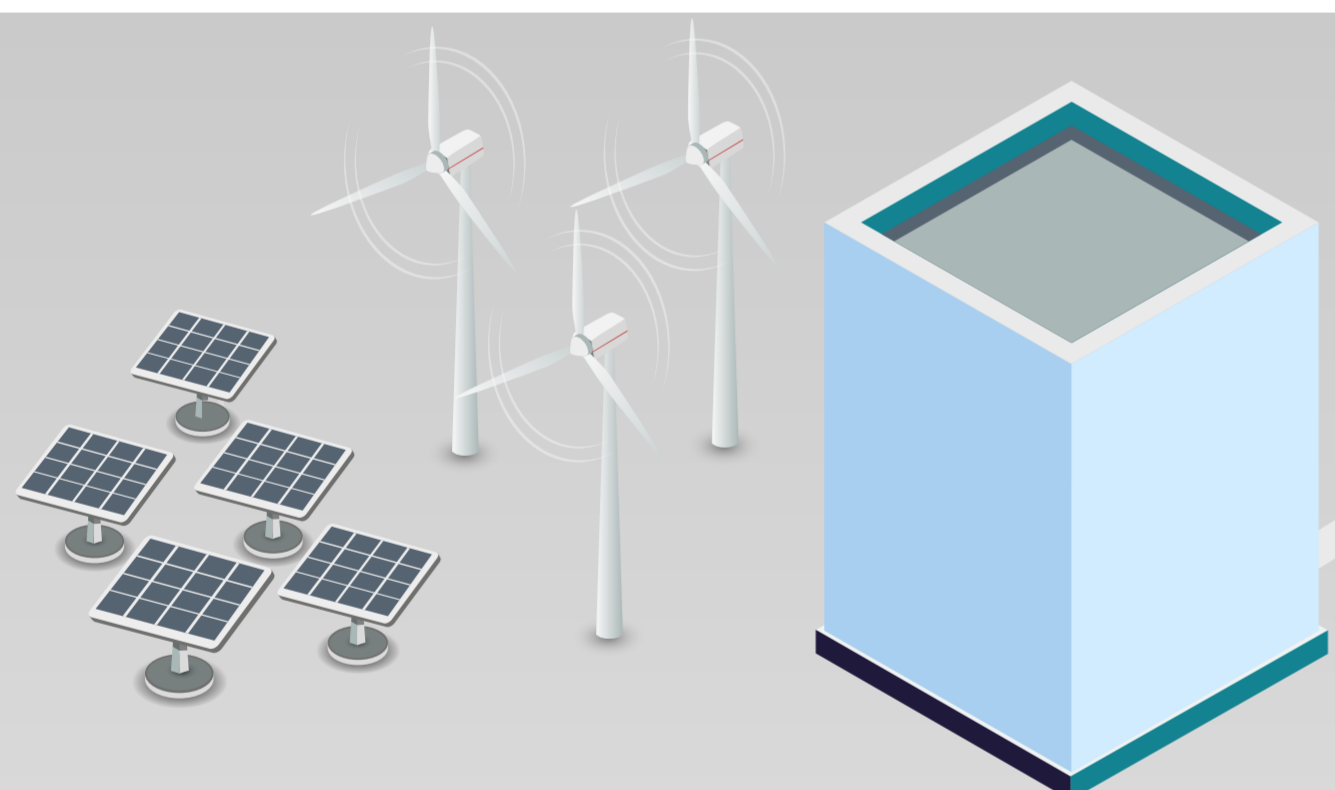
Electrolysis

The hydrogen generated can be stored as fuel



REVERSE HYDRO PUMPING

Generating electricity through gravity



Water is pumped upwards with excess power

It flows down and moves turbines when needed

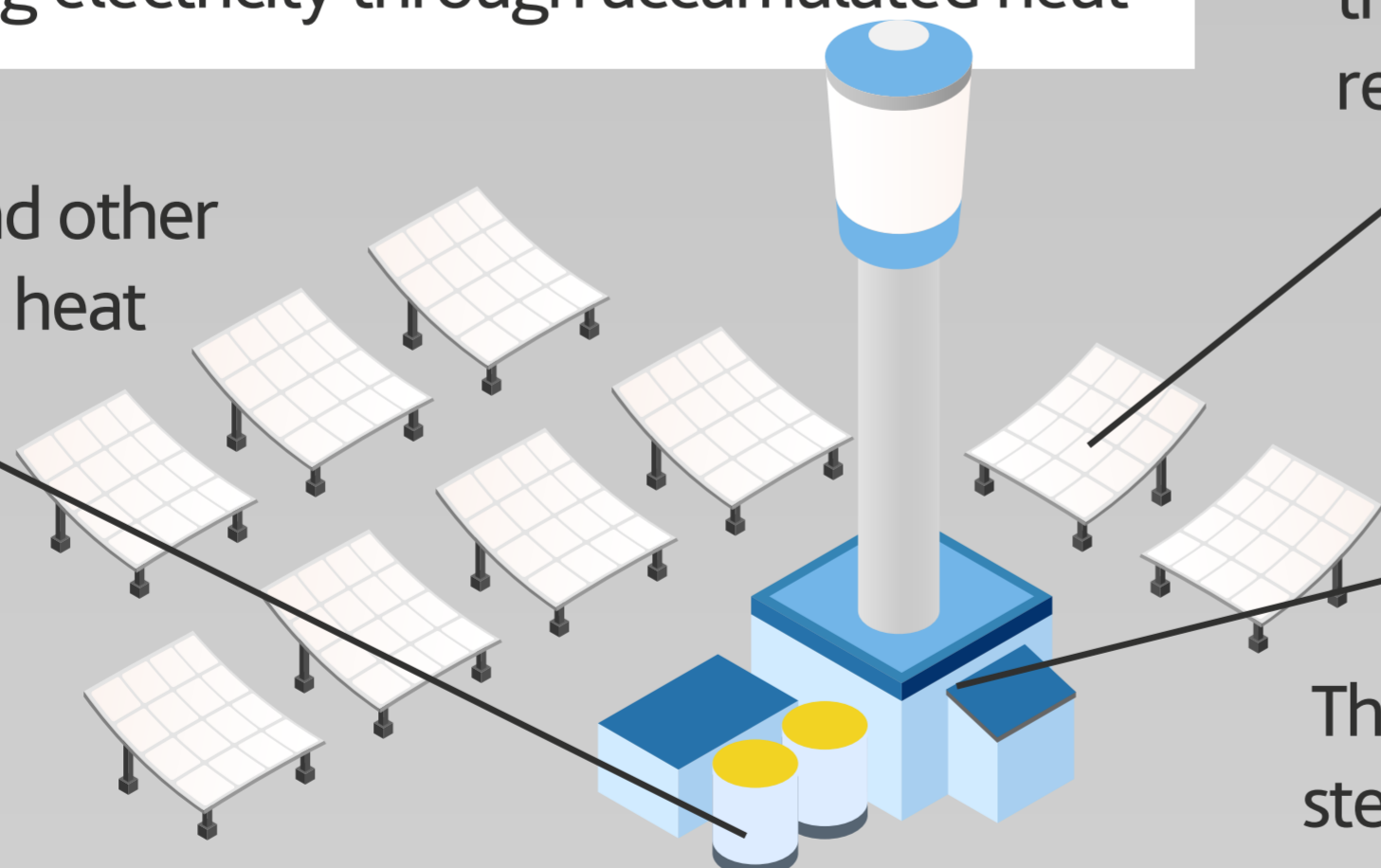


THERMAL ENERGY STORAGE

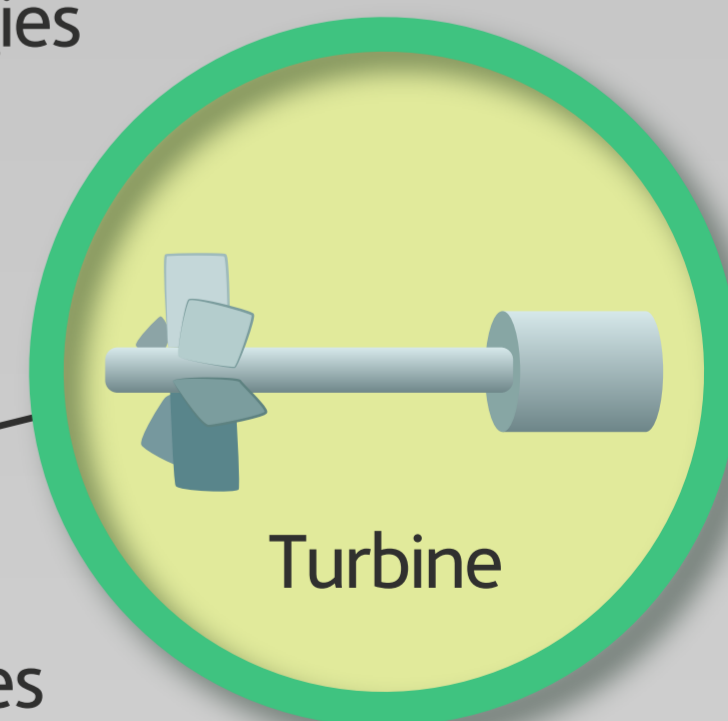
Generating electricity through accumulated heat

Molten salts and other materials store heat

Storing heat with solar thermal or other renewable energies



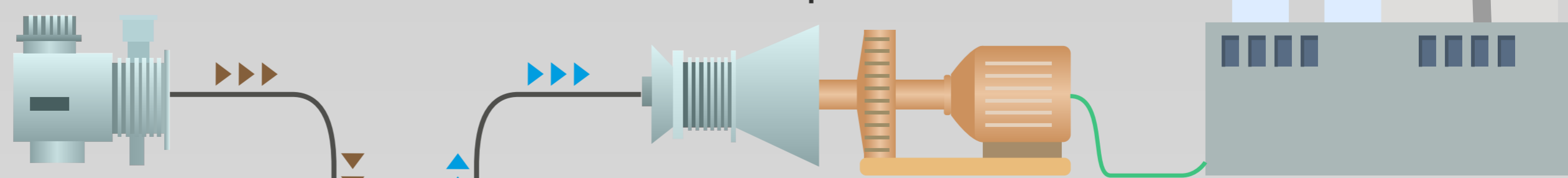
The heat generates steam when needed



COMPRESSED AIR (CAES)

Generating electricity by the release of compressed air

The released air spins the turbine



Air is compressed and pumped into underground cavities