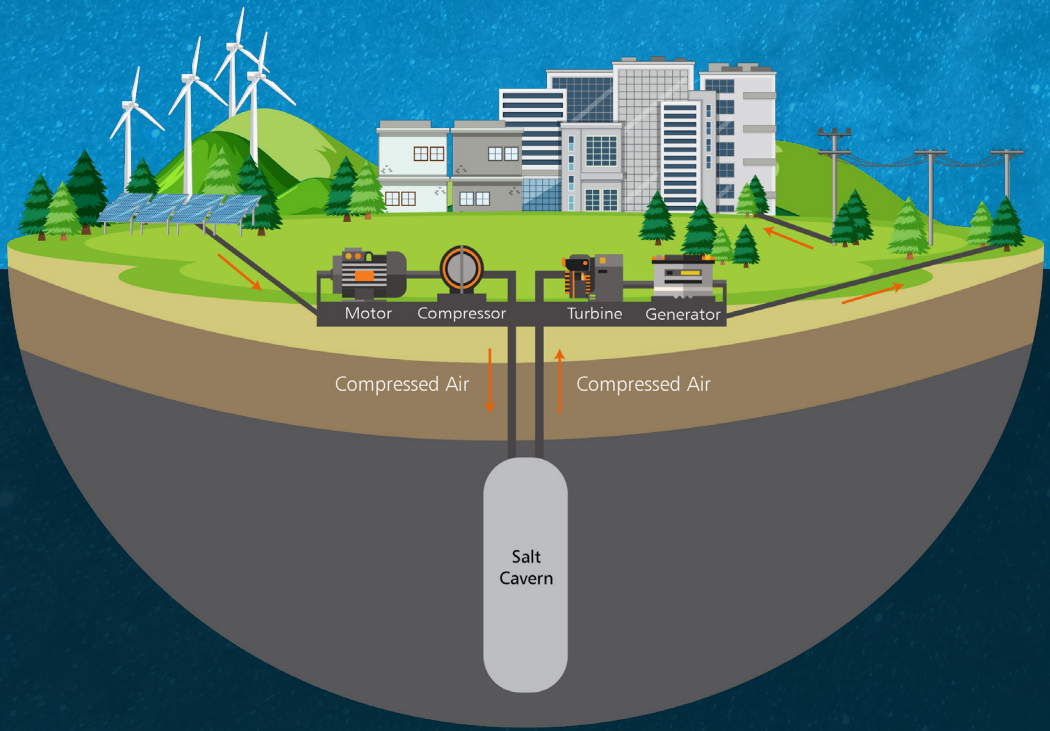
corre.energy
sustainable grid-scale energy storage

HOW DOES COMPRESSED AIR ENERGY STORAGE (CAES) WORK?

CAES is a highly flexible large scale energy storage technology, operating reliably and safely since 1978 in Germany and 1991 in the US. The technology uses purposefully designed underground storage caverns created in geological salt deposits by a process known as solution mining or leaching.

During operation of the CAES facility, in the storage phase, electricity is used to compress air into the storage cavern. In the generation phase, the compressed air is released and heated to drive turbines, producing electricity when required.

Benefits of CAES
CAES has a number of benefits which reduces the cost of all electricity production and supply. This can contribute to reducing electricity bills and at the same time enhancing the security of the supply to the Province of Groningen and the Netherlands. Specifically CAES reduces carbon emissions by increasing the overall efficiency of renewables.



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