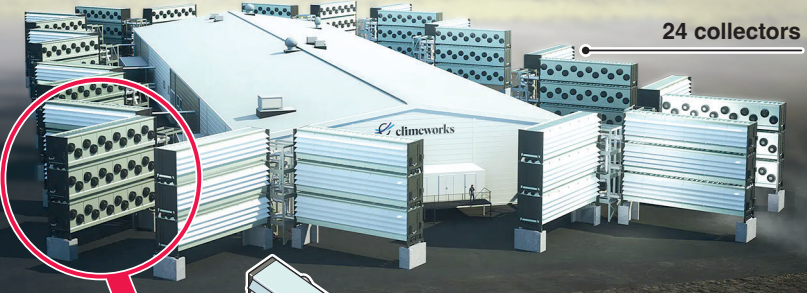


“Mammoth” direct air capture plant

Construction has begun on the *Mammoth* plant in Iceland – a facility capable of removing 36,000 tonnes of CO₂ a year from the atmosphere

24 collectors



Fans draw air into arrays of collectors

Ambient air (containing CO₂)

Collector: 36 fans

CO₂ captured on surface of highly selective filter material

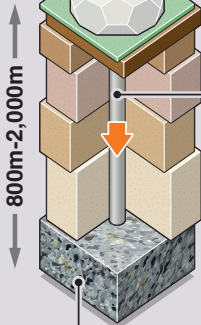
CO₂-free air expelled

Fans

CO₂ gas mixed with water and pumped underground

Injection site

CO₂ charged water



Basalt: CO₂ water forms carbonate minerals to fill cavities in rock

Fans stop spinning

When filter is full, chamber is heated to 100°C and CO₂ gas extracted

Collector closes