



Developing cryogenic energy storage at refrigerated warehouses An interactive hub integrating renewable energy in industrial food refrigeration and enhancing power grid sustainability

ABOUT CRYOHUB

The EU's CryoHub project develops and investigates the potential of large-scale cryogenic energy storage at refrigerated warehouses and food factories. The innovative CryoHub technology is based on storing renewable energy and using the stored cryogen to partially refrigerate these industrial facilities, before it generates electricity to be returned to the power grid in peak demand periods.

THE AIM OF CRYOHUB IS TO

- ❄️ Balance the power grid mismatch between power demand and energy generation from renewables
- ❄️ Store energy generated by renewables before supplying it back to the grid
- ❄️ Provide an affordable cooling supply during power generation
- ❄️ Increase the take up of renewable energy
- ❄️ Reduce peak power demand from the grid
- ❄️ Help decarbonise the electrical grid



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