



**Cryogenic  
Energy  
Storage  
for  
Renewable  
Refrigeration  
and  
Power  
Supply!**

## CryoHub is coming together

The build of the technology demonstrator is moving forward with the help of manufacturer Dohmeyer. Below we see the skid build and controls being prepared. When finished the demonstrator will be transported from the build site in Poland to Friglogix in Belgium where it will be installed and running data collected by the CryoHub team. Friglogix is a great site to host the technology as they have a range of large mixed use cold storage and frozen food processing units, available on site renewable energy in solar and wind turbines and a proved commitment to innovative sustainable technologies.

The team have experienced some delays to due to the COVID-19 pandemic lockdowns across Europe and site access restrictions in Belgium compounded by technical procurement problems but the timetable for the installation means that the unit should be in place in early 2021.

Join us at a webinar on **17<sup>th</sup> March 2021** to hear from the team about initial running data and discuss the future application of this groundbreaking technology based on the team’s combined experience of planning, design and build. We will explore what were the main obstacles, how were they overcome and what lessons for the future potential for innovation in energy storage does this project point towards.



Frame with Turbines, Elec Panel, Recirc Pump, Connecting Pipework in place

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### WHAT IS CRYOHUB?

CryoHub is an EU-funded innovation action entitled “Developing Cryogenic Energy Storage at Refrigerated Warehouses as an Interactive Hub to Integrate Renewable Energy in Industrial Food Refrigeration and to Enhance Power Grid Sustainability”. The aim of the project is to develop and investigate the potential of large scale cryogenic energy storage at refrigerated warehouses and food factories. The innovative CryoHub technology is based on storing renewable energy as a cryogenic liquid - which in the case of this project is liquid air. This cryogen is then boiled at very low temperatures to generate electricity for on-site use or fed into the power grid during peak demand periods. The cooling effect of boiling the cryogen is used to refrigerate industrial facilities.

### DOWNLOADS AND RECORDINGS

Downloads of all of the public project reports, summaries of research findings, past newsletters and links to published papers are available at <https://cryohub.eu/en-gb/downloads>



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[www.cryohub.eu](http://www.cryohub.eu)

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