



Cryogenic Energy Storage for Renewable Refrigeration and Power Supply!

Webinar on Cold Store Sustainability on 19th March

Come to our webinar on **19th March at 1pm UTC** to find out more about how food processing plants and cold stores are using innovative solutions to address environmental challenges. Learn how Frigologix's progressive investment practices in control systems, green solar-energy generation and now energy storage, have ensured their business uses energy as efficiently as possible, resulting in substantial energy savings every day and maximising the use of available energy sources. The Frigologix site in Belgium operates 24hrs a day with 60,000 freezer pallet and 5,000 fresh pallet places, and more than 1 million movements a year.

Members of the CryoHub project team will also give an update on the project findings so far and invite you to share your views on the benefits and challenges associated with introducing innovation in a live interactive session addressing the questions of:

- What are the policy and regulatory drivers for energy and climate change
- Why taking a strategic approach to energy and environmental challenges is key to success
- Barriers to adopting new technologies and business models - how organisational enablers can help
- Key factors for the successful introduction of new more sustainable technologies

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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.

WELCOME TO NEW ADVISORY BOARD MEMBER

International experts in refrigeration, air conditioning and cooling performance and cold chain, **Cemafroid**, have joined the CryoHub project advisory board. They are represented by Mohammed Youbi Idrissi. Find out more at www.cemafroid.fr/



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 691761.

www.cryohub.eu

Coordinator: Prof. Judith Evans (j.a.evans@lsbu.ac.uk)



Global innovation experts at Dohmeyer join the CryoHub team

Dohmeyer, a leading global manufacturer of cryogenic systems for industries as diverse as food processing, pharmaceuticals, aeronautics, plastics and steel production, have now joined the CryoHub project team.

They have been brought in to work on the final integration and process design of the demonstrator, and take the design from the conceptual phase to an installed and working unit at Frigologix in June this year.

Dohmeyer's expertise lies in the development of innovative cryogenic chilling and freezing solutions. They offer a catalogue of standard products as well as carrying out feasibility studies for the design and build of solutions. In addition, they have a strong environmental, innovation and practical industrial manufacturing aspect to their work. The company is based in Europe with a manufacturing site in Poland but have a global reach.

Judith Evans, CryoHub Project Manager, confirmed that "Having experts like Tomasz Kucwaj, VP Technology at Dohmeyer, involved will really catapult the project forward to its next stage of implementing the demonstrator".



CryoHub team met at Dohmeyer factory in Poland earlier this month

Events

❄️ Webinar 19th March 1pm UTC

Join us at this free webinar to find out the latest in successful strategies for sustainable refrigerated warehousing with Frigologix and hear about the latest progress with the CryoHub project.

Register at www.cryohub.eu

❄️ International Cold Chain Conference, 15-17 April 2020, Nantes, France

Find out more about CryoHub technology with our papers and workshop at this IIR Conference on 15th April at 15.30 to 17.30. This free workshop is open to anyone attending the Sustainability and the Cold Chain Conference and will take place immediately before the welcome reception on day 1. Register here:

<https://www.eventbrite.co.uk/e/85983237177>

❄️ Cold Chain Federation Energy Summit, 18th June 2020, Manchester, UK

The Summit from the UK Cold Chain Federation will explore drivers for improving energy efficiency in existing buildings as well as technology and system designs for the future. Speakers from the team will discuss the project and explore opportunities and barriers to the take up of sustainable technologies.

<https://www.coldchainfederation.org.uk/event/cold-chain-energy-summit/>

❄️ 10th Iberoamerican Congress of Heating and Cooling Technologies, 1-3 July 2020, Pampalona, Spain

Hear from a range of speakers on the technical aspects of CryoHub technology as well as an interactive session exploring barriers and opportunities for cold store owners.

Sign up to the [website](http://www.cryohub.eu) for regular news and updates about the project.