

For Immediate Release

New Partnership between Carrier Commercial Refrigeration & Boreales Energy to Develop and Commercialize Ice-Based Thermal Energy Storage Systems

Mainz, Germany, November 17th, 2024 — [Carrier Commercial Refrigeration \(CCR\)](#), a leading supplier of high-efficiency refrigeration systems and services in the food retail and cold storage industries, is pleased to announce the signing of a Memorandum of Understanding (MOU) with Boreales Energy, a leader in innovative thermal energy storage solutions. This partnership aims to develop and commercialize ice-based thermal energy storage systems in synergy with Carriers Commercial Refrigeration solutions.

This strategic collaboration will tackle the growing challenges within the commercial refrigeration sector by optimizing the energy management in cooling systems. BOREALES Energy's ice-based storage devices offer a sustainable, modular and cost-effective solution to create / storage and melt thermal energy for refrigeration equipment. CCR's novel approach will utilize the thermal storage with an optimum integration for regulate and optimize refrigeration loads and offer a demand side management while reducing peak electricity consumption, optimize own photovoltaic usage, unlock part load behavior as well as transform the refrigeration unit into a secondary load management device, an increasingly critical factor for industries such as food retail, cold storage facilities, and food processing.

"We are thrilled to collaborate with CCR, this partnership will enable the large-scale integration of our thermal storage technologies into essential commercial applications while contributing to the sector's sustainability and energy efficiency goals." said Patrick OUVRY, CEO of BOREALES Energy.

Carrier Commercial Refrigeration (CCR) is committed to improving refrigeration through sustainable products and processes, along with improving merchandising through technical innovation.

For more information about the new Customer Portal, please contact us or visit our website : [Carrier Commercial Refrigeration](#) or our LinkedIn page : [carrier-commercial-refrigeration](#).

About Carrier Commercial Refrigeration

Carrier Commercial Refrigeration (CCR) is a leading supplier of high-efficiency turnkey refrigeration systems and services in the food retail and cold storage industries. CCR offers a

diverse range of products to keep stores cool, energy costs low and products attractively displayed for maximized sales, as well as comprehensive service and support to ensure optimum performance and a centralized remote management monitoring network.

For more information, visit Carrier-Refrigeration.com

About BOREALES Energy

BOREALES Energy is a startup specialized in thermal energy storage solutions based on ice accumulation. Founded 2015, BOREALES Energy develops and manufactures innovative systems to enhance energy efficiency and sustainability in cooling and refrigeration. Its solutions are designed to optimize energy use, reduce environmental impact and ensure reliability. With focus on innovation and responsible practices, BOREALES Energy is committed to driving transition to cleaner and smarter energy systems. For more information, visit boreales-energy.com.