



Press release

**RED Pilot and connected solutions to improve HVAC/R efficiency:
CAREL's Improved efficiency at Chillventa**

Remote digitalisation of HVAC/R products to support the servitisation of connected assets that can be monitored and managed remotely

Brugine, 9 September 2026 - On the occasion of Chillventa 2026, taking place in Nuremberg from 13 to 15 October, CAREL will present technologies that help manufacturers, service companies and end users improve the performance, operational continuity and management of HVAC/R systems. At the heart of the Improved efficiency journey will be **RED Pilot**, CAREL's digital solution for connected asset management in industrial and commercial applications.

In a sector in which digitalisation, regulatory requirements and service expectations are redefining product value, RED Pilot enables manufacturers to turn HVAC/R units into connected solutions, with **a customisable, ready-to-use platform**. Through a cloud portal and mobile app, installed units can be monitored, controlled and supported remotely throughout their life cycle, improving technical assistance and opening up new service opportunities.

The availability of field data makes troubleshooting faster, helps reduce unnecessary site visits, optimises maintenance activities and provides useful information for future product development. In a context made particularly challenging by the difficulty of finding personnel with advanced skills, the platform allows technicians in the field to be supported remotely and enables advanced services based on continuous monitoring and dedicated service levels. For end users, this translates into greater visibility of systems and better performance, both in terms of availability and operational efficiency.

RED Pilot is designed to adapt to different organisations, business models and product portfolios, becoming a customised enabler for an additional offering of advanced services. The platform allows the customisation of brand, interface, URL, navigation maps, data views, access levels and user permissions, making connectivity an integral part of the manufacturer's offering. Remote management of parameters and software updates also helps simplify the implementation of the latest safety and security standards required by the market today.



The **Improved efficiency** theme will also include other CAREL solutions for high-efficiency applications. **Air handling units** will be represented by smart components for programmable control, airflow management, heat recovery and hygienic adiabatic humidification. In **Industrial Cooling**, CAREL will present a scalable approach that combines software development with STone, digital commissioning with APPLICA, local connectivity with CONTROLLA and remote management through RED Pilot.

For **data centres**, CAREL will present control solutions for liquid cooling systems, from CDUs to direct-to-chip and immersion architectures, integrating programmable controllers, sensors, I/O expansions and edge connectivity for mission-critical environments with high thermal density. Finally, the **iJF** platform for R290 refrigerated showcases and cabinets offers scalable control architecture for units of different sizes, supporting single- and multi-circuit configurations, ON/OFF and variable-speed compressors, and a digital ecosystem for commissioning, service and performance optimisation. Together, these technologies bring CAREL intelligence behind more efficient, connected HVAC/R applications focused on system value.

CAREL@Chillventa

Hall 6, stands 104 and 110

Nürnberg, Germany

13 - 15 October 2026

[Visit our dedicated website](#) for all information on CAREL solutions at Chillventa

CAREL

CAREL is one of the leading global manufacturers of control solutions for air conditioning, refrigeration and heating, as well as systems for improving air quality. We design our products to generate energy savings and reduce environmental impact, combining the most advanced technologies with customised services aimed at optimising the performance of units and systems. Our solutions are used in commercial, industrial and residential applications. Founded in 1973, CAREL has more than 2700 employees, posted consolidated revenue of 629 million euros in 2025 and is structured into 47 subsidiaries and 12 fully-owned production plants.

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