

# OBJECT OF THE MONTH



## LÖNSSIEDLUNG, DÜSSELDORF-STOCKUM

The refurbished Lönssiedlung housing estate in Düsseldorf-Stockum has been recognised as a KlimaQuartier.NRW and thus serves as an exemplary model for the climate-neutral transformation of existing buildings.

At the heart of the project is a serial, minimally invasive refurbishment approach in which the building envelope and building services engineering are conceived as an integrated overall solution. Within the estate, 19 apartment buildings comprising around 150 rental units are being modernised, with the energy efficiency class being improved from H to A.

A key factor in the success of the refurbishment is modern ventilation technology. In highly insulated and energy-upgraded buildings in particular, controlled supply and extract ventilation with heat recovery plays a central role: it ensures hygienic air exchange, enhances living comfort, and makes a significant contribution to the overall energy efficiency of the system.

As part of the project, the PICHLER LG 450 compact ventilation unit was used for the serial refurbishment. The unit is designed for controlled mechanical supply and extract ventilation in houses and larger residential units, making it ideally suited to demanding refurbishment projects in multi-storey residential buildings.



### DATA & FACTS

Location: Düsseldorf-Stockum

Completion: 2025

Type of building: Residential buildings

Planer: Saint-Gobain pre.formance GmbH

Building technology: Saint-Gobain pre.formance GmbH

Products: LG 450 compact ventilation units, silencers, volume flow limiters, fire dampers, ducts & fittings, spiral ducts, louvered hoods

Product groups:

