SUCCES STORY KAINUU CENTRAL HOSPITAL (FI)

Innovative building technology solutions in Kainuu Central Hospital.

Belimo Valves Key to Efficient Phased Commissioning

The Kainuu Central Hospital was Finland's first hospital project to utilize the alliance model, completed in phases, with the final block finished in 2021. The goals for the hospital included creating a Smart Hospital, streamlining processes, and minimizing lifecycle costs. Caverion was responsible for the hospital and building systems, effectively steering the project towards a lifecycle-friendly and phased commissioning approach.

Belimo supplied several hundred 6-way valves, 2-way valves, energy valves, and damper actuators, which played a crucial role in enabling the hospital's phased commissioning.

TYPE OF BUILDING
Central Hospital

PROJECT
New Building

SECTOR
Healthcare

PRODUCTS
6-way EPIVs
PIQCVs
Belimo Energy Valve™
Damper actuators

BELIMO®

Meeting high standards and tight deadlines.

Belimo's products in a key role in the project's building services engineering

Caverion implemented the hospital and building systems for the new Kainuu Central Hospital, utilizing products from Belimo, among others. Finland's first hospital project executed under the alliance model was completed in phases, with the final section finished in 2021.

"We were able to influence the solutions for this project already during the planning phase. With our product choices, we steered the project in a life-cycle friendly and phased commissioning direction. To enable the hospital to be commissioned as quickly as possible, we selected Belimo's innovative valves for the site. The cooperation with Belimo went smoothly from planning to implementation," says Timo Malinen, Project Manager at Caverion.

Years of cooperation bear fruit

Caverion and Belimo have been working closely together for many years. The new hospital in Kainuu was a major alliance project, the design of which involved careful mapping of different options and the challenges of the site. Belimo's products were chosen because they aligned with the project's high standards and supported the phased commissioning of the hospital.

"Again, Belimo was able to provide us with valuable information to support our decision making. The guiding idea behind the design of the new hospital in Kainuu was the Smart Hospital concept, i.e. our aim was to achieve a high-quality overall solution with low lifecycle costs. Belimo's pressure-independent valves support this goal perfectly; they are energy-efficient and they allow for more efficient control of water flows with less effort," Timo explains.

«On site, we have been able to take full advantage of the products' intelligence, which has reduced errors and extra work.»

Timo Malinen, Project Manager, Caverion Finland

Belimo's solutions are key to keeping the hospital running

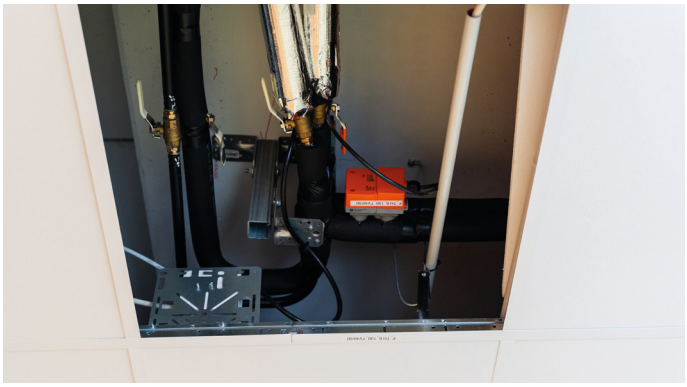
Belimo supplied several hundred pressure-independent 6-way and 2-way valves, energy valves and damper actuators. These valves have played a key role in enabling the phased commissioning of the hospital.

"On site, we have been able to take full advantage of the products' intelligence, which has reduced errors and extra work. The pressure-independent valves have been very useful in facilitating the expression of the network during expansions. Belimo's 6-way valves can identify where air removal is needed. Additionally, thanks to these valves, we can remotely adjust the preset values for the water flows used in heating and cooling from the building automation system, meaning we don't need to disrupt the hospital staff with maintenance work," Timo explains.

Reliable and long-lasting products win praise

The project for the new hospital in Kainuu has been a complex and demanding project, where high quality requirements and a tight schedule have posed particular challenges for the implementation of building services engineering. With Belimo's products, Caverion has been able to meet these challenges efficiently and reliably. Leading building systems expert Mikko Myyryläinen has also been pleased with Belimo's solutions.

"Belimo has been a reliable partner for me since the early 90s. Our cooperation is fruitful and their products are reliable. They proactively introduce new products to us and we test them in our own test environment before taking them to the customer. We have a strong trust in each other, and Belimo reacts quickly and supports us even in unexpected situations," says Myyryläinen.



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Mikko Myyryläinen, Senior Specialist in Building Services Engineering, Caverion Finland

All inclusive.

Belimo as a global market leader develops innovative solutions for the controlling of heating, ventilation and air-conditioning systems. Damper actuators, control valves, sensors and meters represent our core business.

Always focusing on customer value, we deliver more than only products. We offer you the complete product range for the regulation and control of HVAC systems from a single source. At the same time, we rely on tested Swiss quality with a five-year warranty. Our worldwide representatives in over 80 countries guarantee short delivery times and comprehensive support through the entire product life. Belimo does indeed include everything.

The "small" Belimo devices have a big impact on comfort, energy efficiency, safety, installation and maintenance.

In short: Small devices, big impact.

- 5-year warranty
- On site around the globe
- Complete product range
- Tested quality
- Short delivery times
- Comprehensive support

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