



SUCCESS STORY THE BRIDGE (PL)

# Safety at the highest level

## A prestigious project in Poland's capital city

The Bridge is a breathtaking investment built in the business centre of Warsaw. With a height of 174 metres and 47'000m<sup>2</sup> of office space, the 40-floor skyscraper, designed by UNStudio and the Polish-Belgian Architecture Studio Projekt, will enrich the Warsaw skyline and become one of the tallest buildings in Poland. Moreover, the Bridge is equipped with state-of-the-art technical and environmentally friendly solutions, making it one of the most environmentally friendly office buildings in Central and Eastern Europe. The building will be BREEAM and WELL certified and fulfil the Green Building Standards.

The new building has been equipped with SMAY ventilation solutions, which ensure the fire safety of this prestigious building's users. Together with fire damper and smoke control damper actuators from Belimo, the SMAY solutions ensure the protection of escape routes and stairwells from smoke.

### TYPE OF BUILDING

Office building

### PROJECT

New building

### SECTOR

Fire and smoke

### PRODUCTS

Fire damper and smoke control damper actuators

**BELIMO**<sup>®</sup>

# Components from Belimo: Certified quality from the market leader

For more than 35 years SMAY has been providing innovative and comprehensive ventilation and fire protection solutions for more than 15,000 customers in over 34 countries worldwide. The Polish company's mission is to supply fresh air, ensure comfort, and provide solutions for protecting human health and property in all building types. Smay complies with the most stringent standards in the European Union and other countries as a manufacturer of high-quality ventilation accessories, devices and systems.

With SMAY's strong commitment to quality, Belimo is the ideal partner when it comes to supplying innovative, reliable, and energy-efficient HVAC components. Therefore, SMAY's ventilation and fire protection solutions are motorised by damper actuators from Belimo: "There are no products on the market that suit our solutions better than damper actuators from Belimo," says Michał Cisowski, SMAY's Chief Technical Officer (CTO). Conclusively, Belimo damper actuators were used in the Bridge office building.

Befitting an innovative building project, the Bridge incorporates advanced technologies, including an intelligent building management system (BMS), innovative energy efficiency technologies, sustainable building materials and SMAY's iSWAY® pressurisation units, which are part of the Safety Way system and ensure that fire escape routes are kept smoke-free.



"Currently, no other products available on the market are better suited for our dampers than Belimo actuators."

**Michał Cisowski,**  
**Chief Technical Officer (CTO),**  
**SMAY Ventilation Systems**



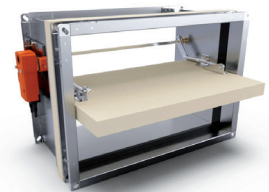
© SMAY

KTM type fire dampers including Belimo damper actuators are used in general ventilation systems as cut-off barriers, separating the zone covered by fire from the rest of the building.

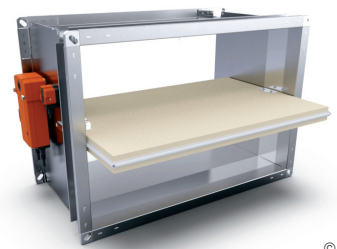
Equipping the building's pressure differential system with iSWAY® units enables continuous measurement and monitoring of the overpressure in the protected space and instant response to pressure changes. It is the iSWAY® pressurisation units from SMAY that guarantee fire safety in The Bridge high-rise building.

Considering the high level of complexity of the building, the challenge of the project was to design safe air supply systems for stairwells, elevator shafts and car parks, and to counteract the stack effect. When the door remained in the closed position, the inflow into the vestibule was to be restricted by a system of motorised fast-acting dampers. To meet the requirements of the project, the Belimo fire damper actuators were properly tested and certified by the Scientific and Research Centre for Fire Protection – National Research Institute (CNBOP).

The goal was to prevent the spread of smoke and to ensure smoke extraction from areas designated for evacuation from the fire zone. "Belimo's fire damper and smoke control damper actuators have met our requirements and are expected to respond quickly", says Michał Cisowski. The high quality of Belimo's components contributes to the high-quality of SMAY's fire protection and smoke control solutions, thereby guaranteeing a trouble-free operation in case of fire.



© SMAY



© SMAY

Fire dampers are designed for installation in ventilation systems as blocking elements which separate the area affected by the fire from the rest of the building (normally open).

Fire dampers of the series KWP-O-E(S) and KWP-L are installed when the ducts are of different sizes.



# All inclusive.

Belimo is the global market leader in the development, production, and sales of field devices for the energy-efficient control of heating, ventilation and air-conditioning systems. The focus of our core business is on damper actuators, control valves, sensors and meters.

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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**BELIMO**<sup>®</sup>