



GEZE AUTOMATIC DOORSYSTEMS

GEZE Powerturn F

The strong and reliable swing door
drive for hospitals

In hospitals, health care centers and elderly homes easy access is critical for patients, visitors and staff.

Modern hospitals put patients and relatives at the center. Therefore, the demands for architecture, design and functionality are at the highest at hospitals. GEZE has great experience in supplying to hospitals where the GEZE swing door solutions often are requested. As a perfect match for the high requirements in accessibility, comfort, hygiene, safety and reliability, the automatic door solutions are chosen in all renovations and new building.

GEZE are in the projects from start, and we offer specialized technical support to the architects already during the planning process.

Architecture, design and functionality all comes together

The architecture and aesthetics play a major role in creating the best possible environment for the patients.

The healing environment, the high level of hygiene and the extreme requirements for functionality should all be reflected in the choice for automatic door systems. Doors to operating rooms should be hermetically sealed in order to keep the rooms sterile and bacteria-free. Doors in the hallways should open without need for physical contact, be safe for the user, who may be walking slowly due to injuries or running due to an emergency coming in.

In any thinkable situation the hallways at a hospital plays a critical function in the everyday work and routines at the hospital.



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At GEZE we have high experience in supplying to the hospitals. The swing door drive Powerturn F is an extremely strong door automatics to handle heavy fire doors," tells Patrik Larsson who is the Country Manager of GEZE Finland. Patrik continues: "The automated solutions ensure that doors open and close very quietly and reliable.

Larger and heavier doors require stronger door automatics

All the demanding requirements at the door e.g. sound isolation, aesthetics and fire requirements, makes the door overall heavier. And the door should be used daily for many years serving both patients and staff for the health care needs without interruption. Therefore, you need automatic door drives, which are capable of handling heavy doors.

A strong solution from GEZE with up to 600 kg door leaf weight

The Powerturn F swing drive is an electromechanical swing door drive for single or double leafed fire and smoke protection doors. The drive comes in several variations depending on need for installation.

As appearance of the technology used in the building plays a decisive part for architects and planners, the Powerturn F is designed to be implemented smoothly above the door and allow the user to focus on the superb functionality.

As our strongest swing door drive, we recommend the Powerturn F for any situation where large or heavy doors are expected to open and close automatically, reliably and in safe manners.



→ **Powerturn**
Electromechanical swing door drive for single leaf doors weighing up to 600 kg

Powerturn in short

- Smart swing function for easy manual door opening
- Door weights up to 600 kg
- Closing force of EN4-7 with variable adjustment
- Opening and closing speed can be individually adjusted
- Mechanical latching action when operated without current, and electrical latching action in regular operation, which accelerates the door shortly before the closed position
- Low-energy function opens and closes the door with reduced speed, fulfilling the highest safety demands
- Obstacle detection detects an object through contact and stops the opening or closing process

Technical support and perfect solutions for safety

In hospitals the users vary greatly from young to old and from full functioning to disabled, most often affected by sickness and lack of health. The safety of the users is therefore even more in focus in this extreme environment full of fragile people in often stressed situations.

“We are very focused on the safety of the users, and in hospitals we experience an even greater focus on this”, says Patrik Larsson. “Our technical experts at GEZE are always providing support to the installation of the automatic door solutions, which also includes the safety requirements of EN16005,” Patrik Larsson continues.

The EN16005, which most certainly applies to hospitals, is the European Safety norm implemented to assure that the right precautions are installed to keep the users safe. The demand for safety sensors is highly relevant in this issue, and GEZE has a variety of safety sensors to supply, depending on the installation situation. The sensors can also be used to activate the doors, so that the doors open automatically when a person or object (e.g. a bed) approached. Alternatively, to sensors, we have great success on supplying touch-free activation buttons, which can be installed next to the door. These however demand for a person to activate the door, and an object like a bed, would not be sufficient.

Fire protection is key to safety

Safety at a hospital most certainly also concerns fire protection, escape and rescue routes. Solutions need to be implemented both for people to be able to escape out of the building, for the rescue team to enter the building and for everyone to be able to orientate through the hallways. The doors also play a major role in keeping the fire from spreading in the hallways, but for that they need to be closed. The Powerturn F from GEZE is compatible to existing building management systems, including the fire protection system.

Hold-open systems make fire protection doors accessible

Many of the double doors in the hallways are preferred to be kept in an open position through-out the daily heavy traffic. Meanwhile, if a fire emergency occurs, we need to make sure the door closed as part of preventing the spread of fire and smoke to the exit routes. At GEZE we recommend a hold-open system, which allows the doors to be self-closing, when given signal from the fire alarm.

A preferred supplier to hospitals

Providing comfortable, safe, reliable and hygienic access the Powerturn F has already been a clear choice in many Nordic hospitals. Therefore, we can offer our future customers the direct references to working solutions in main hospitals in our close by region.



Implementation in old architecture

At the Carlanderska private hospital in Gothenburg, Sweden, GEZE supplied automatic drives to 41 doors. The drives were implemented smoothly in the old architecture during renovation and expansion of the buildings.



Quality and support in the north

In the very northern town of Bodø, Norway, GEZE's door automation is installed on 546 doors at the Nordlandssykehuset. GEZE was chosen for the high quality and the fantastic technical support.



Hygienic environment with door automations

In the capital of Denmark, the National Hospital has implemented more than 450 automatic doors with GEZE solutions. The doors are for the major part activated by our touch-free activation button, which keeps the environment hygienically – especially important at a hospital in the light of the COVID situation.

Connecting expertise – building solutions.



GEZE Sweden AB Mallslingan 10 | SE-187 11 Täby | TEL. +46 (0) 8 732 34 00 | EMAIL sverige.se@geze.com | www.geze.se
GEZE Denmark ApS Mårkærvej 13L | DK-2630 Taastrup | TEL. +45 46 32 33 24 | EMAIL danmark.se@geze.com | www.geze.dk
GEZE Norway AS Bølerveien 71 | NO-2020 Skedsmokorset | TEL. +47 63 95 72 00 | EMAIL norge.se@geze.com | www.geze.no

GEZE Scandinavia AB Mallslingan 10 | SE-187 66 Täby | TEL. +46 (0) 8 732 34 00 | www.geze.com
Finland | Iceland | Latvia | Estonia | Lithuania
EMAIL finland@geze.com | iceland@geze.com | latvia@geze.com | estonia@geze.com | lithuania@geze.com