

Wind Energy Megadoor

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



Setting the standard for Large
Doors around the world since
1971

Megadoors - Global Standard for Opening Solutions

The vertical lifting Megadoor was invented in Northern Sweden in 1971 and was quickly adopted by the Scandinavian coastal facilities requiring large doors that could withstand the sub-arctic marine environment and abusive industrial operations. Today, Megadoors are a common sight in the coastal regions of North America, modernized yards of Europe and coastal facilities around the world.

Vertical Lifting Design

Requires virtually no side room allowing you to design compact facilities that maximize the use of limited land.

Durability

Proven in the harshest heavy industrial operations around the world, Megadoors routinely replace other door technologies that fail to operate.

Corrosion Resistance

Megadoors incorporate aluminum intermediate beams, side guides and a PVC coated polyester skin that resist corrosion in marine environments.

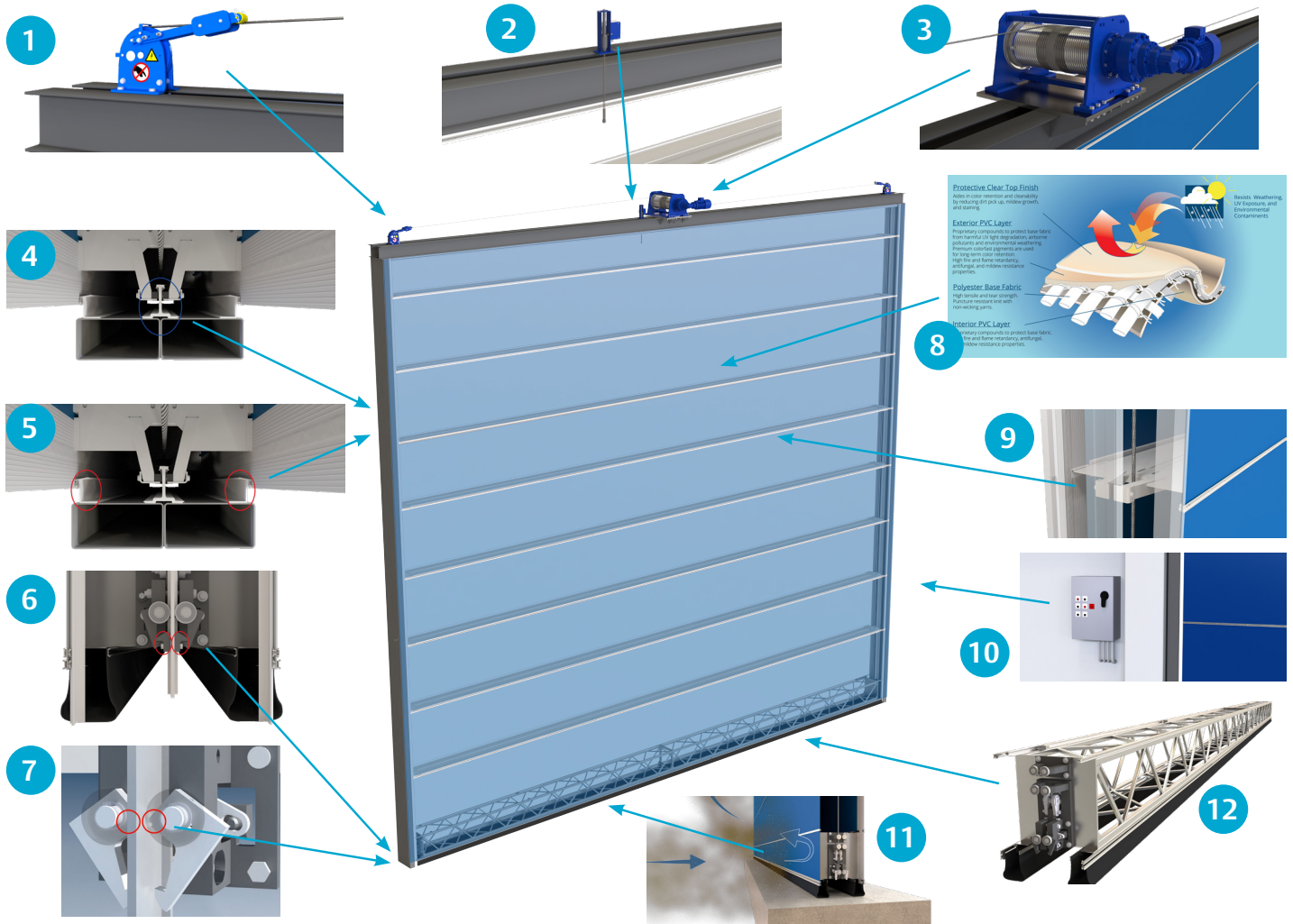
Low Maintenance

Engineered to eliminate or minimize moving parts, Megadoors are designed for maximum uptime.

Extreme Environments

Proven in extreme wind conditions across the USA, intense heat of the Arabian Peninsula and Russian winters.





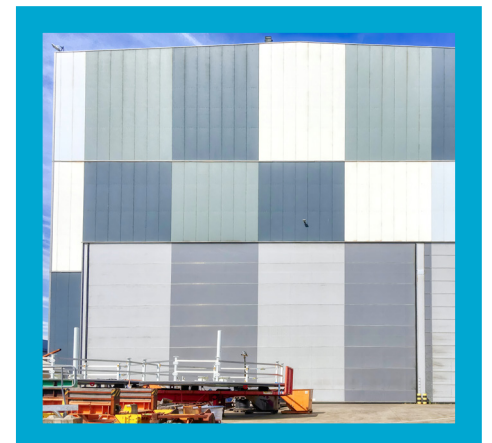
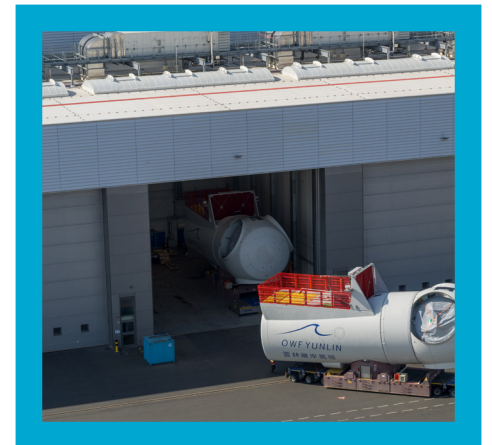
- 1 Sheave unit & closed limit switch** - Sheave units guide the lifting wire rope down through the door system to the bottom beam. Sensors monitor cable tension and when the wire rope slackens the close limit is activated.
- 2 Open limit switch** - As the door fully opens, the top intermediate beam will activate a limit switch attached to a rod set to the full opening height and stop the door.
- 3 Wire rope hoist** - Raises and lowers the door system with cables attached to the bottom beam via the load arrestors.
- 4 Side guide** - Aluminum side guides are bolted to the door jambs and resist the horizontal wind forces imparted by the door beams and ensure proper beam stacking during operation.
- 5 Side Seals** - Aluminum side seals are bolted to the door jambs and interface with the door fabric. When the Megadoor is closed, the fabric is stretched tight against the inner and outer seal providing an excellent environmental seal.
- 6 Automatic wind locks** - Heavy duty jaws engage a tang mounted on the side guide every time the door is closed and prevents door uplift under high winds.

- 7 Load Arrestor** - Patented and independently certified assembly prevents a freefall condition should there be a failure in the lifting system.
- 8 Fabric Cladding** - A PVC coated polyester weave fabric is attached to both the inside and outside face of the door beams. The durable fabric is available in many standard colors. Custom colors and logos are also available.
- 9 Intermediate beams** - Resist wind forces and transfer wind loads to the side guides. Aluminum beam depth and spacing varies by door width and wind load.
- 10 Control panel** - Standard panel includes NEMA 4 enclosure, relay logic and push button operation. Controls can be customized to meet user requirements including touchscreen HMI's and remote diagnostics.
- 11 Bottom seal** - Heavy duty single or dual grey EPDM rubber loops seal between the bottom beam and the floor providing an excellent environmental seal.
- 12 Bottom beam** - Welded steel tube box truss minimizes horizontal and vertical deflection which is critical for proper high wind resistance, operation and sealing.



Why Megadoor?

- Minimize construction costs
- Industry leading energy efficiency
- Proven reliability
- Patented safety systems
- Comprehensive support
- Custom designed



Tailored Solutions for Critical Requirements

Your door systems play a pivotal role in achieving your critical missions. Whether it's carrying passengers around the world, shuttling workers to sites for mining precious metals, or transporting military personnel for key operations, our global service team has your success as its highest priority.



Proven solutions and expert service

ASSA ABLOY is the world's most comprehensive supplier of reliable entrance automation systems, and your dependable partner for providing the certified service and preventive maintenance for extending the life of your equipment.

Cost-efficient modernization and upgrades

When it's time to replace your worn-out door systems, we can provide an entrance solution that will upgrade or modernize your current doors, helping you reduce maintenance and energy costs, and improve convenience, reliability, safety, efficiency, and aesthetics.

Maintain & Modernize Doors

As with any mechanical system, your automated doors have key components that periodically need replacing. Changing them before they fail will save you time and money by preventing accidents and losses in productivity. With ASSA ABLOY Entrance Systems' service plans we can ensure that your door will operate smoothly and efficiently long into the future. We can tailor a plan to fit your

Safety standards and regulations are evolving as rapidly as are your business requirements. By modernizing your doors, you can keep your workers and facilities safe, while also improving overall productivity and operations.

Upgrading your entrance systems can enhance your facility's overall aesthetics as well, giving your customers a more favorable impression of your company, and increasing the comfort level of your employees and first-time visitors.

Make sure your doors work dependably and look their best. Contact our skilled technicians and designers today for the solution that is right for you. Call us at +46 730 347 457, or email us at: spares.se.entrance@assaabloy.com

BEFORE



AFTER





Megadoors for Retrofits

Megadoors are commonly used to replace worn out doors or enlarge openings on existing buildings. If your door has been neglected, is poorly designed, does not seal well or is just worn out, replace it with a Megadoor.

Maximize Your Opening

Remove your existing door and increase the width and height to accommodate larger vessels, blocks or equipment.

Minimize or Eliminate Civil Works

Vertical lifting Megadoors eliminate extensive and costly ground rail systems required by horizontal rolling doors.

Lightweight Design

Using aluminium, high strength steel and a PVC coated polyester fabric skin, Megadoors weigh substantially less than other doors.

Door Frames

Custom engineered, fabricated and installed frames to support your Megadoor are available from the factory.

Turnkey Installation

Many retrofits can be performed by ASSA ABLOY including removal of the existing door, reframing the door opening and installation of your new Megadoor.



ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for efficient flow of goods and people. Building on the long-term success of the Besam and Megadoor brands, we offer our solutions under the ASSA ABLOY brand. Our products and services are dedicated to satisfying end-user needs for safe,

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