

The smart way to stay efficient



Megadoor® solutions for the mining industry



A large, multi-colored garage door is shown in a partially open position. The door is composed of several horizontal sections: a top dark grey section, a middle section with horizontal orange and yellow stripes, and a bottom dark grey section. The door is set within a dark frame. The background shows a bright outdoor area with some equipment. The foreground is a dark, textured surface, likely a wash bay. Four callout boxes with white arrows point to specific features of the door.

Direct drive door operates without springs or counterweights

Self-adjusting limit switches are made for extremely dirty environments

Self-lubricating guide blocks require no lubrication

Extra large U-shaped bottom rubber seal is perfect for uneven surfaces

Megadoor is suitable for Wash bays.

The smart way will help you to grow



Globalization has helped business everywhere to grow, not least in the mining sector.

Serving this growth, today's haul trucks and other mining vehicles are enormous, with load capabilities reaching hundreds of tons. The doors that provide access to truck shops, wash bays and mine entrances must match these size requirements while simultaneously ensuring cost-effective productivity.

Reliability, safety and productivity – Megadoor® answers all your needs

The challenge is to provide doors that can quickly open and close dozens of times each day – at the same time they withstand corrosive, dirty environments, high-wind conditions and extreme temperatures.

These are just the operational considerations. In addition, doors must fulfill a range of other important expectations:

- **Design and function** – offering a cost-effective solution to functional and architectural demands, and the engineering restraints of existing building structures, while accommodating larger and larger mining vehicles.
- **Energy and ergonomics** – minimize heat loss (or gain) and provide a viable working environment for demanding tasks, despite high winds and extreme temperatures. The choice of a translucent door fabric helps minimize the carbon footprint and provide natural ambient light in the indoor working environment.
- **Safety and efficiency** – ensure safe operating conditions and minimal maintenance demands. The safety level is high – built-in safety monitoring system and door arrestors automatically prevent free-fall.

Few suppliers can meet all these demands, and even fewer can do so when the door opening is very large. Fortunately, the Megadoor vertical lifting fabric door can answer your access needs, regardless of door opening size, as well as fully satisfy all your requirements – from accessibility and economy, to safety and comfort. And Megadoor's skilled, experienced engineers are ready to support you throughout the process, from site analysis and engineering specification to installation, commissioning and service support.

Suitable for extreme environments

There are no more demanding environments than a Wash Bay at a mine. And the Megadoor is specifically designed to handle such an extreme environment. We provide our standard 'Wash Bay Package' which includes: sealed limit boxes; motor covers; NEMA 4X (corrosion-resistant) control panels; and corrosion-resistant materials.

(The NEMA 4X corresponds to the European standard IP56)

Cost-effective uptime is the key

The Megadoor vertical lifting fabric door was originally designed for industrial environments requiring very large door apertures and frequent openings, with doors exposed to high wind loads, temperature extremes and harsh environments.

It has served successfully in these conditions for over 30 years, and has proved itself again and again in the mining industry. All Megadoor mining doors use corrosion-resistant components with few moving parts, and come with the patented Megadoor lifting belt system, which needs no lubrication and very little maintenance. A Megadoor solution can last the life of your mine.

The Megadoor vertical lifting fabric door offers:

- Fast, reliable operation under any conditions.
- Excellent air tightness & resistance to high winds.
- Strong components, with high corrosion resistance.
- Long operating lifetime. Low operating cost.
- Minimal maintenance requirements. Easy repair.
- High safety level and easy operation.
- Multiple control alternatives, including remote operation.



New builds as well retrofits

Haul trucks just keep getting bigger and bigger. Give yourself the flexibility to design your doors around the vehicles they will serve, with maximum space utilization. Don't let your existing doors limit access to your facilities or be the cause of costly renovation work. A Megadoor solution is your best choice for new installations. It is also the best way to bring older doors into the modern age, expanding apertures to allow access to successively larger haul trucks. Because a Megadoor vertical lifting fabric door can be installed in, inside, or even outside the door opening, it allows you to fully utilize every millimeter of available space.

Let us help you to grow

With its unique design, the Megadoor vertical lifting fabric door fulfills all regulatory requirements. It opens and closes quickly and smoothly, many times a day. Yet it is completely safe, requires minimal maintenance, offers a high insulating value and helps provide a better working environment for your employees. That a Megadoor solution requires very little maintenance means important long-term savings for you. Nonetheless, our service staff and partners around the world are always ready to provide the professional preventive maintenance that guarantees you trouble-free door operation.

All over the world we have helped customers in virtually every type of industry to create better Opening Solutions that have helped their enterprise to grow. Let us help you too.

Case: Wabush Mine Labrador, Canada

Winter temperatures at the Wabush Mine average -30°C (-23°F), and sometimes even lower, coupled with strong winds. Mine officials wanted to do everything possible to provide tolerable indoor working conditions for their employees – both in the mine and at facilities buildings.

Haul trucks were part of the problem. Originally the mine used 65-ton trucks, then 170-ton, and later 200-ton. To accommodate larger truck sizes, openings at the Vehicle Maintenance Building were enlarged, while the support columns limited door opening clearance to only 38 cm (15"). With openings this big, it is very difficult to provide comfortable working conditions within the building. Wabush Mine installed four Megadoor vertical lifting fabric doors set only 10 cm (4") apart, because they operate consistently and reliably, and could open and close at least 30 times each day as required by the service bays. To utilize every inch of space, doors were mounted on the building's exterior. The low door profile ensured an easy fit, and windload capabilities assured smooth operation even in high-wind conditions.

Wabush Mines discovered additional benefits. The Megadoor double-layer fabric construction insulates against cold winds, creating a warmer environment for employees – especially those working near the door. The design also reduces the tremendous noise produced by the haul trucks' 2000 h.p. engines. Previously, employees could not hear each other talk. The sound-damping effect is noticeable enough to give employees much needed relief.

"Mine management is very pleased with the Megadoor installation" says A. J. MacLean, Wabush Project Engineer responsible for the door installation. "We have a new bank of doors that performs well above expectations, as well as more satisfied employees!"



Direct drive door operates without springs or counterweights

Self-lubricating guide blocks require no lubrication

Patented safety arrestors prevent 'free-falling' door

Translucent fabric door – natural lighting and a better working environment

Extra large U-shaped bottom rubber seal is perfect for uneven surfaces

Megadoor is suitable for Truck shops – no matter the size.

We aim to keep you efficient.

Megadoor is a world-leading ASSA ABLOY brand focusing on solutions for exceptional access needs within specific industry segments such as Aviation, Shipyard, Mining and Waste and Recycling. Megadoor is represented in over 30 countries and is a part of ASSA ABLOY Entrance Systems with 6,300 employees and a turnover of SEK 9,4 billion.

The Megadoor vertical lifting fabric door provides superior answers to extraordinary access challenges. Our solutions fulfill size insulation and rapid opening requirements, and give architects and engineers greater freedom in designing building structures.

Our mission is to consistently deliver the right product at the right time, expertly engineered, competitively priced, and professionally installed and supported.

