

## Every entrance, every aspect

The product range of ASSA ABLOY Entrance Systems extends well beyond our vertical lifting fabric doors. And no matter what solution you choose, our global organization goes beyond the expected to get it into place.

### Covered dry dock



**1 Megadoor vertical lifting fabric door**  
This space-saving door can be made to almost any size and has virtually no side room requirements or footprint.



**2 Megadoor crane door**  
While facilitating the movement of ship blocks, this tailored vertical lifting fabric door is tightly sealed around the crane for high energy efficiency.



**3 Albany rubber door**  
In addition to opening rapidly and maintaining a tight seal, this high-performance door is tough enough for the harshest environments.



**4 Megadoor vertical lifting fabric door**  
A vertical lifting fabric door takes up almost no side space and simplifies the movement of oversized equipment and materials.

### Outfitting hall



**5 Megadoor vertical lifting fabric door**  
Available in translucent fabrics, that allow natural light into the outfitting hall. It opens vertically, which means it never blocks adjacent doors.



**6 Albany insulated rigid high-performance door**  
Optimized for energy efficiency, this rigid roll door is well suited for forklift transports from the production hall to the outfitting hall.



**7 Megadoor vertical lifting fabric door**  
As a barrier between different environments such as hot work, aluminum welding and module outfitting, this door allows equipment to be moved without outdoor exposure.

### Paint and blast hall



**8 Megadoor vertical lifting fabric door**  
This door effectively seals off paint booth openings and can be provided with electronic components for hazardous environments.



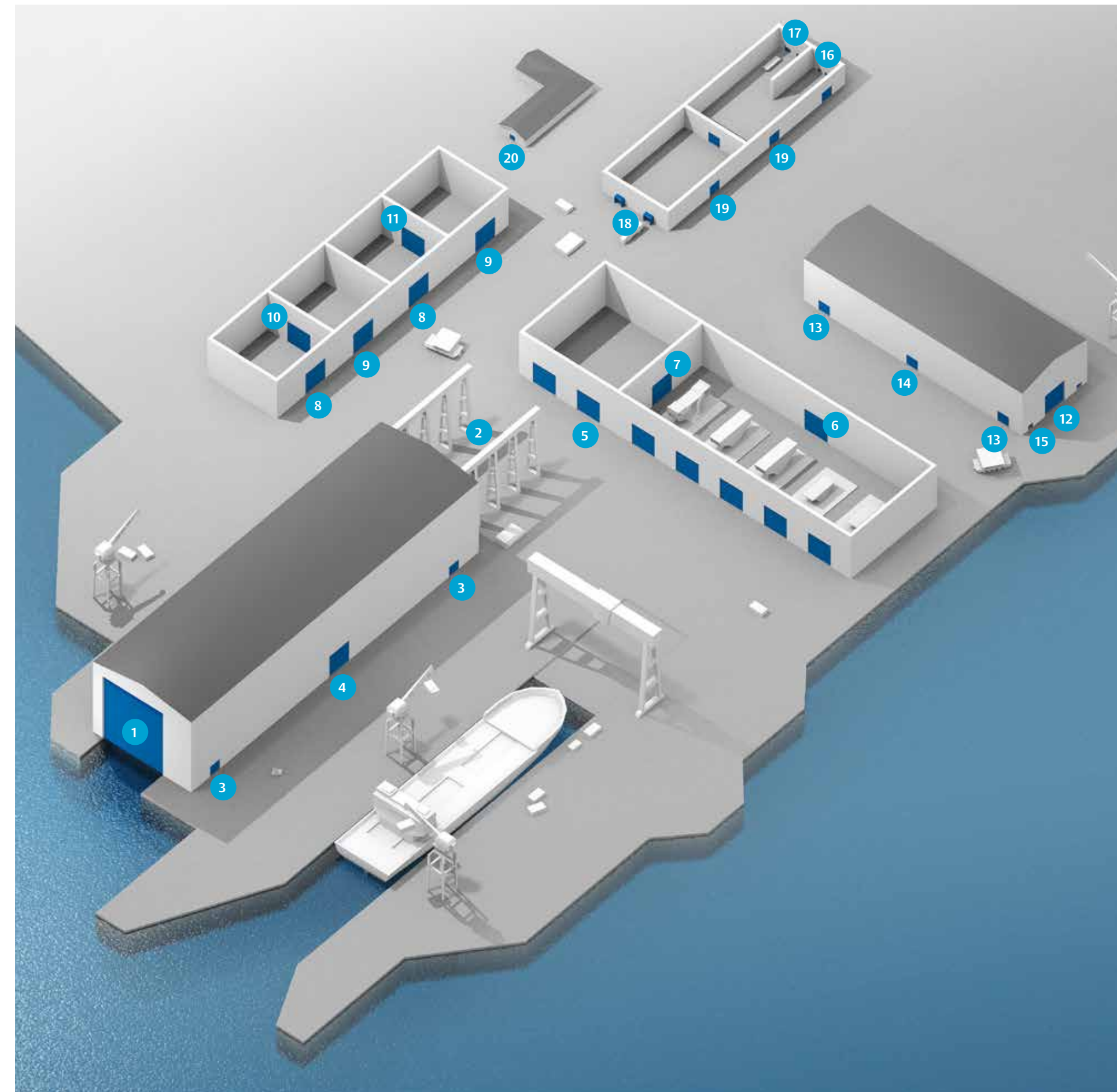
**9 Megadoor vertical lifting fabric door**  
Having very few moving parts and fabric that is resistant to blast media overspray, this door operates unhindered by blast media accumulation.



**10 Megadoor vertical lifting fabric door**  
Though it stands up to demanding conditions and retains a tight seal, a vertical lifting fabric door has almost no space requirements.



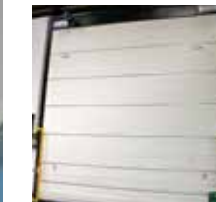
**11 Albany flexible curtain door**  
This door has tight sealing and is therefore excellent as a room divider for separating different environments.



### Production



**12 Megadoor vertical lifting fabric door**  
Made with durable fabrics that withstand welding, torching and grinding sparks, this door is proven in high production fabrication environments.



**13 Crawford vertical lifting fabric door**  
For medium sized openings, the energy efficiency and reliability make a vertical lifting fabric door appropriate.



**14 Megadoor vertical lifting fabric door**  
Where large items are moved, a vertical lifting fabric door ensures proven reliability and low maintenance.



**15 Albany external high-performance door**  
The short opening time of this high-performance door provides quick access for forklifts and controls the interior environment.

### Warehouse



**16 Crawford overhead sectional door with leveller and shelter**  
This receiving solution combines an overhead sectional door and leveller with a protective shelter that adapts to the transport size.



**17 Albany insulated rigid high-performance door**  
Where side entrances provide access to forklifts carrying small materials, this door offers optimal insulation and energy efficiency.



**18 Crawford overhead sectional door**  
In this receiving solution for smaller materials, the door can slide up under the roof, which is an advantage where there is little headspace.



**19 Albany rigid high-performance door**  
The high wind resistance and 100% closed perimeter of this high-performance door minimize energy losses and prevent dust intrusion.

### Office



**20 Besam sliding door operator**  
Sleek and quiet, this modular sliding door operator with Besam TightSeal combines intelligent traffic optimization with superior energy savings.

## Success in the long perspective

ASSA ABLOY Entrance Systems is not only the world's most comprehensive supplier of entrance automation solutions, but also a single partner for every aspect of their use. That includes minimizing downtime – and reducing lifecycle costs.

### Lasting economy

Low lifecycle costs begin with quality components. ASSA ABLOY Entrance Systems uses materials that last in tough coastal conditions, including aluminum beams and durable PVC. In our vertical lifting fabric doors, we eliminate common wear items such as hinges, rollers and counterbalance systems.

We also reduce entrance-related energy costs with tight seals, automation and smart door features. But perhaps the best feature of our doors is the service we offer around them.

### Service when it counts

Your doors are critical to your success. If they don't move, neither does your shipyard. Our professional technicians are trained and certified to work with any entrance system or brand, and our 24-7 hotline puts assistance in easy reach.

With a carefully selected stock of common spare parts, our technicians solve most problems on their very first visit. Other parts can be shipped overnight, and anything requiring custom fabrication can be expedited to get you up and running.

### Maintenance, modernization and more

Whenever possible, we eliminate problems before they start. Our preventive maintenance programs let you avoid accidents, losses and unplanned interruptions, all while extending the life of your equipment.

As standards and regulations develop, or as your own requirements change, we can also help you upgrade or modernize your entrance systems. Our technicians can inform you of new innovations and smart functions, which are often available as convenient standardized packages.



Megadoor vertical lifting fabric doors are the ideal solution for enclosed berths or dry docks.



Specialized door designs are possible, such as a T-shape to accommodate a crane on rails.

**VT Shipbuilding, Portsmouth Naval Base, UK**  
"The Megadoor vertical lifting fabric door supplied by ASSA ABLOY Entrance Systems provided a relatively simple solution to a complex problem, without the need for additional extensive steelwork supports, which would have been required for the alternative sliding door solutions considered."

Peter Gannon  
Engineering Director for Watson Steel Structures Limited (contractor)





Photo: Nick Bailey

## Vertical lifting fabric doors

Proven for over 30 years in shipyards around the world, Megadoor vertical lifting fabric doors are the industry standard for large openings in a marine environment.

### Built for your largest openings

With their ingenious construction, our Megadoor vertical lifting fabric doors are ideal for your large openings. Available in almost any dimension, they require virtually no side room and have a minimal footprint. That means you keep more of your valuable production space.

Despite their flexibility, their function is surprisingly simple. The door leaf glides smoothly up or down, moving along vertical guides. As the bottom beam moves upwards, the intermediate beams stack on top of each other, with the fabric folding neatly to the sides.

### Strength in simplicity

Having no bottom rails, Megadoor vertical lifting fabric doors enable smoother passage for your vehicles and equipment. The doors themselves are tough, thanks to wear-resistant fabrics that tolerate welding and grinding sparks or blast media overspray.

### Safety

Shipyards can be very busy with massive equipment and personnel moving in and out of the facilities. This is

why it is essential that your doors are engineered with safety in mind. Megadoor vertical lifting fabric doors incorporate fail safe, patented, safety arrestors located on the door bottom beam and attached to the lifting belt or wire rope. If any component in the lifting system fails, the safety arrestors are instantaneously activated, locking the door in place.

### Dealing with wind and water

What hits coastal doors most often is wind, so Megadoor vertical lifting fabric doors are engineered to meet virtually any coastal design wind pressure. The doors envelope the guide rails for a very tight seal, and the door bottom beam incorporates a unique wind lock. Activated when the door is closed, the lock secures the bottom beam and keeps the door shut tightly – as proven during 30 years of performance in the world's most active hurricane regions.

As for protection against water and salt, the doors have intermediate beams and side guides fabricated in corrosion-resistant aluminum. The door fabric is a PVC-coated polyester weave that is also resistant to corrosion in marine environments.

ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for efficient flow of goods and people. With our globally recognized product brands Besam, Crawford, Megadoor and Albany, we offer products and services dedicated to satisfying end-user needs for safe, secure, convenient and sustainable operations. ASSA ABLOY Entrance Systems is a division within ASSA ABLOY.

ASSA ABLOY

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**NIHVA**  
NIHVA Technologies Pvt. Ltd.

G-Block, 1st Floor, Thermax Chowk, MIDC, Above Renault Showroom, Chinchwad, Pune - 411019  
 ☎ +91 2066 3040 33 📠 +91 85 51091 333 ✉ sales@nihva.com 🌐 www.nihva.com

## Complete Entrance Solutions for Shipyards

ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in door opening solutions



**NIHVA**

## Greater in every dimension

As a shipyard or other coastal industry, your large door openings are critical to your operations. ASSA ABLOY Entrance Systems can supply not only vertical lifting fabric doors for these openings, but the full range of entrance systems needed at your facility – along with much more.

### A supplier with depth

ASSA ABLOY Entrance Systems is a complete supplier for all your entrance needs, and a full-service partner for every type of entrance at your facility. We supply, service and maintain not only vertical lifting fabric doors under our Megadoor and Crawford brands, but also a complete range of Crawford industrial doors, Albany high-performance doors and Besam pedestrian doors.

Our deep commitment means smooth sailing for you. Working with us, your shipyard can overcome challenges in everything from productivity to energy efficiency.

### Resisting the elements

As a coastal business, some of your biggest challenges are posed by Mother Nature. High winds, driving rain and corrosive seawater can push entrances – large or small – to the limit.

ASSA ABLOY Entrance Systems is no stranger to harsh environments, and our solutions are built to withstand them. Our durable products tolerate water and salt, and we calculate wind loads rather than building to general recommendations. By taking no risks, we give you exactly the door you expect.

### Sustainable comfort

Whatever happens outside your shipyard, you want the right environment inside while using a minimum of energy. ASSA ABLOY Entrance Systems provides tight-sealing and well-insulated products, plus translucent material options to get the most out of natural light.

In the longer term, we can also curb your energy use through entrance maintenance and modernization. Together with you, we can find a total solution for keeping comfort high and energy costs low.

### Maximizing your space

When production demands increase, your space can't always increase with them. Many times, you need to be more efficient in your existing space.

ASSA ABLOY Entrance Systems can help you make the most of your facilities, whether existing or new. Our Megadoor vertical lifting fabric doors, Crawford overhead sectional doors, Albany high-performance doors and other solutions pack optimized function into a small space, giving you the flexibility you need to grow.

### All in one place

In choosing ASSA ABLOY Entrance Systems, you choose the market's most qualified entrance partner. In addition to our broad range of products, you have access to dedicated architectural support, expert project management and the industry's largest and most experienced service network from day one.

Best of all, you get all this from one company. In ASSA ABLOY Entrance Systems, your shipyard has one partner for all of its entrance needs.



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