

*Solutions for ports & shipyards*

**Are you paying skilled labor to climb stairs  
or handle containers efficiently?**



*Access anytime, anywhere*

## Improved access shortens crane downtime

**The benefits of installing access elevators on container cranes are well recognized by crane operators, maintenance personnel and crane owners. The elevator which was once regarded as a luxury item is nowadays a standard crane component, vital for the efficiency of container handling.**

**It takes the crane operator quickly and safely to his work station. It encourages and facilitates preventive maintenance and enables quicker response when a failure occurs.**

### **40 years experience in the port industry**

Alimak Hek has provided permanent elevators based on the rack & pinion drive technology to the port industry for more than 40 years. Alimak Hek delivered its first shipyard crane elevator in 1971 and since then, has emerged as the world's leading supplier of elevators to this industry.

In fact, we have installed over 30,000 rack & pinion solutions for different industries worldwide, including more than 2,500 in ports. We have developed extensive engineering knowledge on a wide variety of industrial applications. Industrial elevators from Alimak Hek are designed to withstand the harsh environments and abrasive conditions in ports, providing safe, reliable vertical access, anytime and anywhere it is needed, from inter-modal container terminals and storage yards to shipyards, and dry docks.

### **Ideal for port crane access**

The rack & pinion elevator has proven to be easy to install and maintain and compared to accessing cranes via stair towers, rack & pinion elevators significantly increase efficiency, productivity, and safety.

Rack & pinion elevators from Alimak Hek are ideal for accessing port cranes for crane operators and maintenance

personnel. They effectively reduce the risk of falls from height, eliminate exertion from climbing, and provide the ability to quickly transport injured personnel from any height.

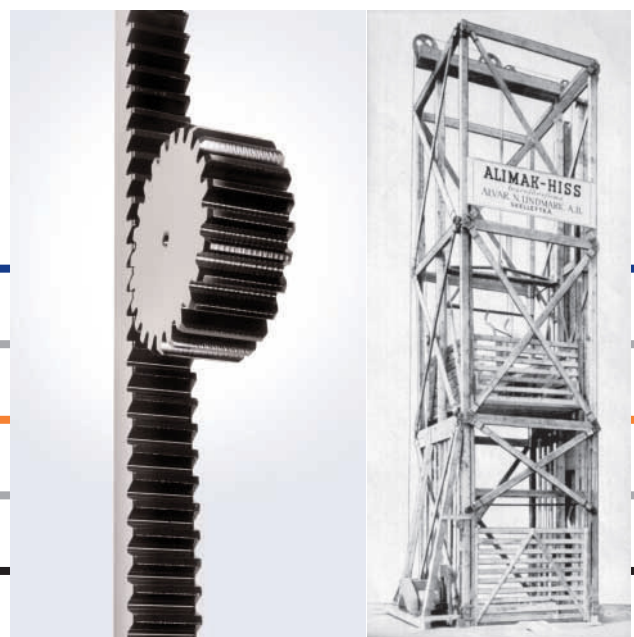
### **Crane refurbishments**

Alimak elevators can easily be installed on any crane structure, and perfectly lends itself to retrofitting. Alimak Hek has participated in a wide range of modernisation projects. We offer a wide and versatile range of vertical access solutions also for temporary use whether for retrofitting, upgrades or larger refurbishment programs at the port.

### **Rack & pinion pioneers**

In 1962 we pioneered the rack & pinion drive system which, within a few years, established us as the world's leading specialist in this technology. The rack & pinion elevator proved to be simple, reliable and cost-effective compared to the wire rope drive or other revolutionized passenger and material transportation options.

The rack & pinion concept has since been developed and refined, subsequently opening up new markets in the industrial elevator sector. Today our activities are concentrated on the design, manufacture and distribution of permanent industrial elevators, construction hoists, mast climbing work platforms and transport platforms, all based on the rack & pinion principle.





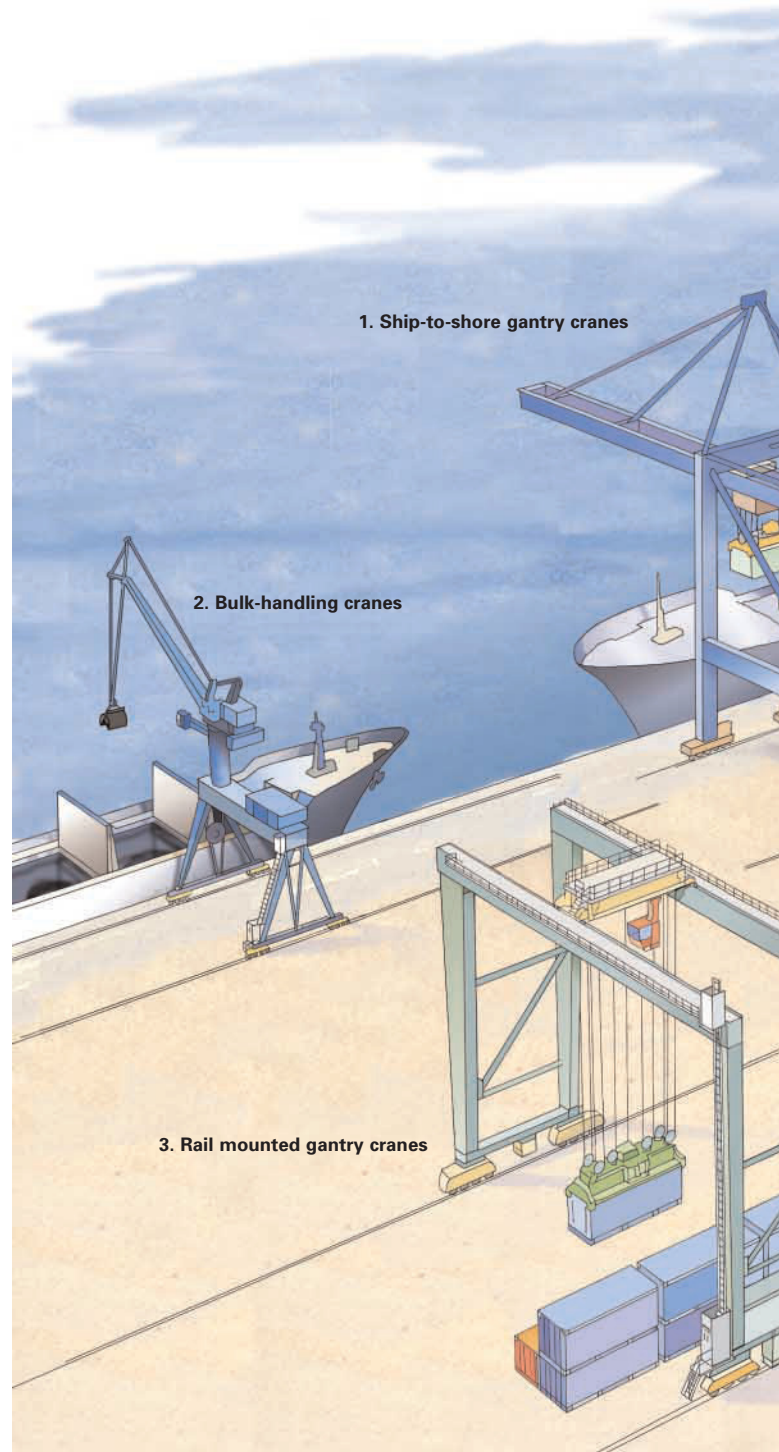
## Flexible for any type of vertical transport service within ports & shipyards

A port is a tough place for any piece of machinery to operate in, and the elevator is no exception. Our elevators operate at peak performance within salty seaside environments. We have a working solution for any transport requirement within the port.

Ship-to-shore gantry cranes (STS), rail mounted gantry cranes (RMG), rubber tired gantry cranes (RTG) and bulk-handling cranes are typical applications but Alimak elevators are also used on goliath cranes, drydocks, warehouses and other facilities at ports and shipyards around the world. Elevator capacities may vary depending on the size and weight of the goods to be transported – ranging from crane operators and maintenance personnel only to heavy replacement parts.

### Rack & pinion simply because:

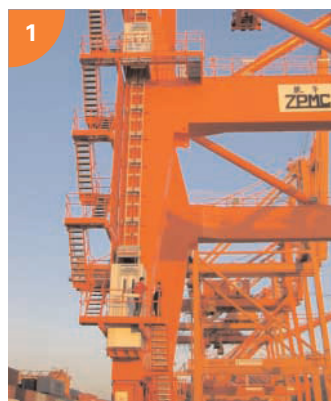
- Made for tough environments
- No shaft is required
- Indoor or outdoor installation
- Small footprint
- Low space required above the elevator at top landing
- No machine room is required
- No concrete pit is required
- Small interference to buildings or structures
- Easy to retrofit to existing buildings or structures
- Can be installed on inclined and curved surfaces
- No lifting height limits
- High capacities and speed
- Accurate leveling at landings
- Can descend based on gravity control in an instances of a power outage
- Durable and easy to maintain

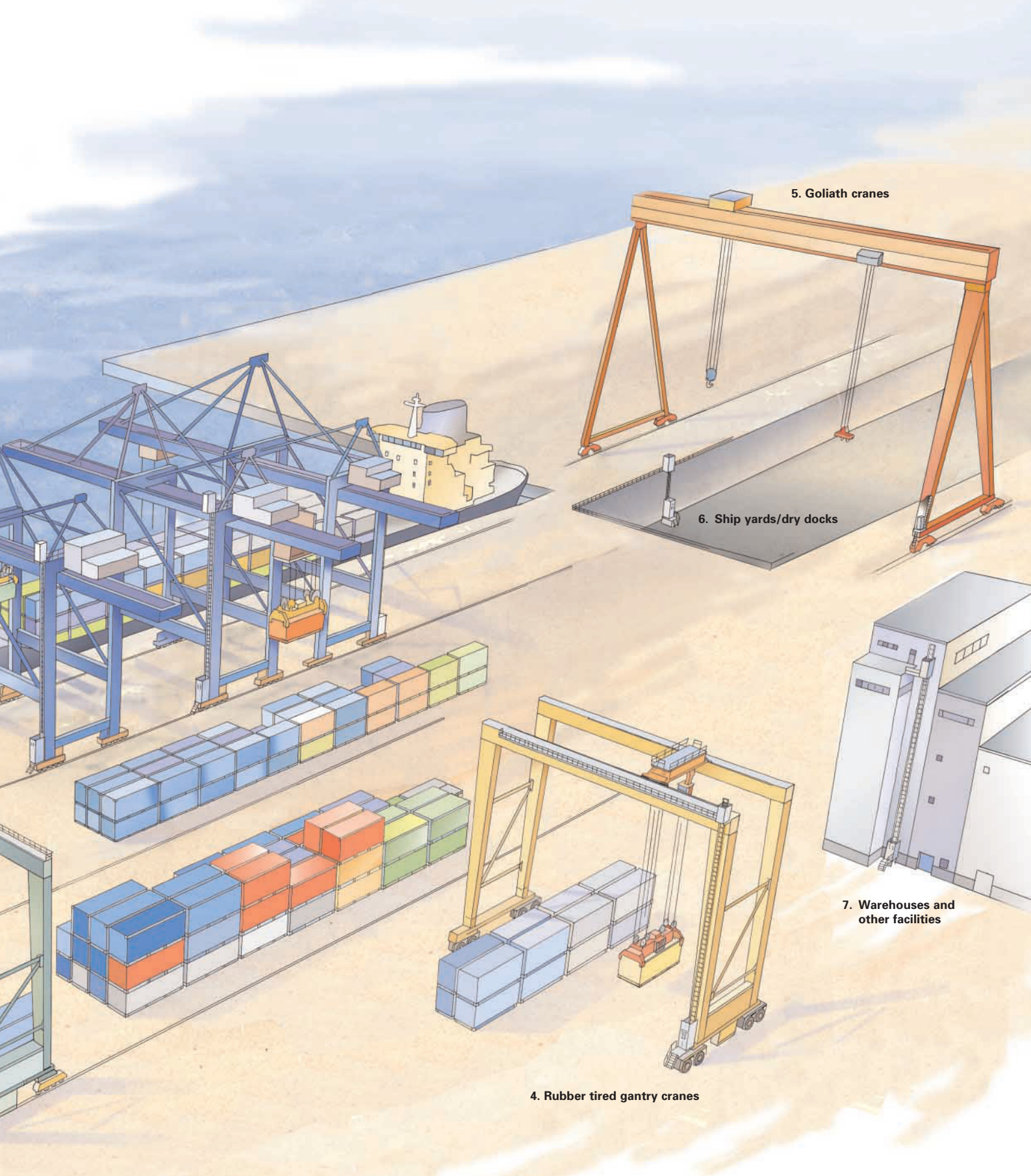


1. Ship-to-shore gantry cranes

2. Bulk-handling cranes

3. Rail mounted gantry cranes



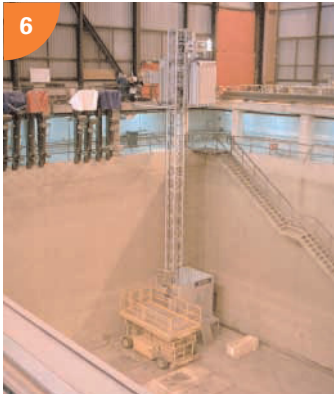


5. Goliath cranes

6. Ship yards/dry docks

7. Warehouses and other facilities

4. Rubber tired gantry cranes



The best reasons to choose Alimak Hek

## Some of our installations

ARGENTINA	ALUMAR PORT BUENOS AIRES PORT ZARATE PORT	FRANCE	REUNION PORT ROUEN PORT SETE PORT ST. NAZAIRE PORT TOURS	KOREA	INCHON PORT JURONG KOJE PORT KWANG YANG PORT MASAN PORT OKPO SHIPYARD PORYOUNG PORT PUSAN PORT SEONGDONG SHIPBUILDING SHINSUNDAE PORT ULSAN PORT	SPAIN	POLIVALENTE DE CASTEL VALENCIA PORT VALENCIA PORT
AUSTRALIA	ADELAIDE PORT BRISBANE PORT FREEMANTLE GLADSTONE PORT PERTH SYDNEY PORT WARATAH PORT	GERMANY	HAMBURG MEYER WERFT PAPANBURG ROSTOCK EMDEN PORT BRISTOL PORT			SRI LANKA	COLOMBO PORT KOBÉ PORT TAMANA
AUSTRIA	RHENUS, BASEL	GREAT BRITAIN	FELIXSTOWE PORT GRANGEMOUNTH PORT HALIFAX IMMINGHAM PORT ISLE OF GRAIN LIVERPOOL BULK TERMINAL MERSEY DOCKS SOUTHAMPTON PORT TALBOT PORT TEES AND HARTLEPOOL PORT TILBURY PORT SOUTHAMPTON PORT	KUWAIT	BINTULU PORT VENTSPILS PORT	SUDAN	SUDAN PORT GOTHENBURG PORT GÅVLE PORT HELSINGBORG PORT LULEÅ PORT MALMÖ PORT OXELÖSUND PORT STOCKHOLM PORT
BAHAMAS	FREEPORT PORT			LEBANON	BEIRUT PORT	SWITZERLAND	ZURZACK
BELGIUM	ANTWERP PORT BRUGGES PORT			LIBYA	MISURATA	TAIWAN	KAOHSIUNG PORT KEELUNG PORT KIAN HAI PORT KOBÉ PORT MAI-LIAO PORT SHANGHAI ZHENHUA PORT SUN BORN TAICHUNG PORT YANG MING PORT
BRAZIL	GUARULHOS PARANAGUA PORT PORTENAVE PORT RECIFE PORT RIO GRANDE PORT SANTOS PORT SAO PAULO SEPETIVA PORT			MALAYSIA	BINTULU PORT JOHOR PORT KEELANG PORT KLANG PORT KUANTAN PORT MERAK PORT NORTHPORT PENANG PORT PORT KIANG SURABAYA PORT TANJUNG PELEPAS PORT UMW NORTHPORT WESTPORT		
CAMEROON	DOUALA PORT	GREECE	ELEFSIS SHIPBUILDING FCB MILAKI PIRAEUS PORT THESSALONIKI PORT			TANZANIA	TANZANIA
CANADA	FRASER RIVER PORT HALIFAX PORT MONTREAL PORT PRINCE RUPERT PORT TERMONT PORT VANCOUVER PORT	GUADELOUPE	GUADALOUPE PORT GUATEMALA			THAILAND	BANGKOK PORT LAEM CHABANG PORT POINT LISAS, COUVA PORT OF SPAIN
CHILE	SAN ANTONIO PORT VALPARAISO PORT	HONG KONG	HONG KONG PORT	MALTA	MALTA FREEPORT	TRINIDAD/TOB.	
CHINA	DAGANG PORT DALIAN PORT FUZHOU PORT HUANGPU PORT NINGBO SHANGHAI PORT SHEKOU PORT SHENZEN KAIFENG TERMINAL YANTIAN PORT ZHU JIANG ZHUHAI PORT	INDIA	CHENNAI PORT JAWAHARLAL NEHRU PORT MUDRA PORT MUNDRA NHAVA SHEVA PORT TUTICORIN PORT MADRAS PORT	MAURITIUS	LOUIS PORT	TURKEY	BELDE PORT SICILIA PORT YENIKÖY IZMIT
COLOMBIA	BUENAVENTURA PORT CARTAGENA PORT	INDONESIA	BELAWAN GUNANUSA MAKASSAR PORT PANCORAN, JAKARTA PANJANG PORT SEMARANG PORT SURABAJA PORT TAN JUNG PORT	MEXICO	ICAVE PORT LAZARO PORT	U.A.E.	ADEN PORT, JEMEN DUBAI MINA SAQR PORT ODESSA PORT ACOMA PORT ALABAMA PORT ANCHORAGE PORT CHARLESTON PORT CORPUS CHRISTI PORT ELIZABETH PORT EVERGLADES PORT EVERGREEN PORT GALVESTON PORT HONOLULU PORT HOUSTON PORT PANAMA PORT INGALLS SHIPYARD JACKSONVILLE PORT JAXPORT KINGSTON PORT LAKE CHARLES HARBOR LONG BEACH PORT LOS ANGELES PORT MARYLAND PORT NEW JERSEY PORT NEW ORLEANS PORT NEW YORK PORT NEWARK PORT NORTH CAROLINA PORT OAKLAND PORT PARANAGUA PORT PHILADELPHIA PORT PORTLAND PORT SAN FRANCISCO PORT SAVANNAH PORT SEATTLE PORT SOUTH CAROLINA PORT TACOMA PORT VIRGINIA PORT WASHINGTON PORT WILMINGTON PORT
CUBA	LA HABANA PORT	IRAN	BANDAR ABBAS PORT ISOCIA SADRA TEHERAN PORT	MOROCCO	CASABLANCA PORT JORF LASFAR	UKRAINE	ODESSA PORT
CURACAO	WILLEMSTAD PORT	IRELAND	DUBLIN PORT HOWLAND HOOK SOUTHAMPTON PORT WATERFORD PORT	NETHERLANDS	AMSTERDAM PORT LE HAVRE PORT ROTTERDAM PORT	USA	ACOMA PORT ALABAMA PORT ANCHORAGE PORT CHARLESTON PORT CORPUS CHRISTI PORT ELIZABETH PORT EVERGLADES PORT EVERGREEN PORT GALVESTON PORT HONOLULU PORT HOUSTON PORT PANAMA PORT INGALLS SHIPYARD JACKSONVILLE PORT JAXPORT KINGSTON PORT LAKE CHARLES HARBOR LONG BEACH PORT LOS ANGELES PORT MARYLAND PORT NEW JERSEY PORT NEW ORLEANS PORT NEW YORK PORT NEWARK PORT NORTH CAROLINA PORT OAKLAND PORT PARANAGUA PORT PHILADELPHIA PORT PORTLAND PORT SAN FRANCISCO PORT SAVANNAH PORT SEATTLE PORT SOUTH CAROLINA PORT TACOMA PORT VIRGINIA PORT WASHINGTON PORT WILMINGTON PORT
CYPRUS	CYPRUS PORT	ISRAEL	ASHDOD PORT HAIFA PORT	NEW ZEELAND	LYTTELTON PORT WELLINGTON PORT		
DENMARK	AARHUS PORT COPENHAGEN PORT ESBJERG PORT	ITALY	CAGLIARI PORT CIVITAVECCHIA PORT DI VADO LIGURE PORT GENOVA PORT GENOVA PORT GIOIA TAURO LA SPEZIA PORT LIVORNO PORT MEDCENTER NAPOLI PORT PALERMO PORT PAOLO DE NICOLA LIVORNO SARDINIA TARRANTO PORT TRIESTE PORT VENICE PORT	OMAN	SALALAH PORT		
DJIBOUTI	DJIBOUTI PORT			PAKISTAN	KARACHI PORT QUASIM PORT		
DOMINIC. REP.	DOMINICA PORT			PANAMA	BALBOA PORT COBE PORT COLON PORT PANAMA PORT		
DUBAI	SAFINA			PHILIPPINES	PHILIPPINES PORT GDANSK PORT		
ECUADOR	ECUADOR			POLAND	GDANSK PORT GDYNIA PORT KONIN PORT LEIXEOS PORT LISBON PORT SETUBAL PORT SINES PORT		
EGYPT	ALEXANDRIA PORT DAMIETTA PORT EL-DEKHEILA SAID PORT SOKHNA PORT			PORTUGAL	LISBON PORT SETUBAL PORT SINES PORT		
ESTONIA	MUUGA PORT			ROMANIA	CONSTANTA PORT		
FINLAND	AALBORG PORT BJÖRNEBORG PORT HAMINA PORT HELSINKI PORT KOTKA PORT OULU PORT RAUMA PORT TURKU PORT VUOSAARI PORT BORDEAUX PORT DUNKIRK DUNKIRK GUADELOUPE PORT LA CLAYETTE LE HAVRE PORT MARSEILLE PORT NANTES PORT			RUSSIA	ST. PETERSBURG PORT UKRAINE PORT UST LUGA PORT		
		IVORY COAST	ABIDJAN PORT	SAUDI ARABIA	JEDDAH PORT		
		JAMAICA	JAMAICA PORT PAJ PORT KOBÉ PORT ONAHAMA PORT SHIMONOSEKI PORT TOKYO PORT	SINGAPORE	JURONG PORT PASIR PANJANG PORT OF BELAWAN PORTEK SINGAPORE PORT KOPER PORT		
		JAPAN	KOBÉ PORT ONAHAMA PORT SHIMONOSEKI PORT TOKYO PORT	SLOVENIA	KOPER PORT		
		JORDAN	AQABA PORT	SOUTH AFRICA	CAPE TOWN PORT DURBAN PORT NGOURA		
		KOREA	HANJIN PORT	SPAIN	ALGECIRAS PORT ALICANTE PORT BARCELONA PORT BILBAO PORT CADIZ PORT CARBONERAS PORT CARTAGENA PORT CASTELLON PORT MALAGA PORT	VIETNAM	CAT LAI PORT, SAIGON DA NANG PORT SAIGON PORT ADEN PORT KOPER RIJEKA PORT SOMERLAL

# Total support services – all over the world

Alimak elevators are provided through a worldwide network of Alimak Hek sales companies and distributors. Local service and support is provided in more than 60 countries around the world. This means easy access to support, spare parts and skilled service technicians.

Owners of Alimak rack & pinion elevators have learned that they can keep uptime maximised and critical operations running efficiently even on the most demanding applications. Quite commonly elevators have been in service for very long periods (20 plus years) even in excessively harsh and unfriendly environments, when they have been properly supported and maintained.

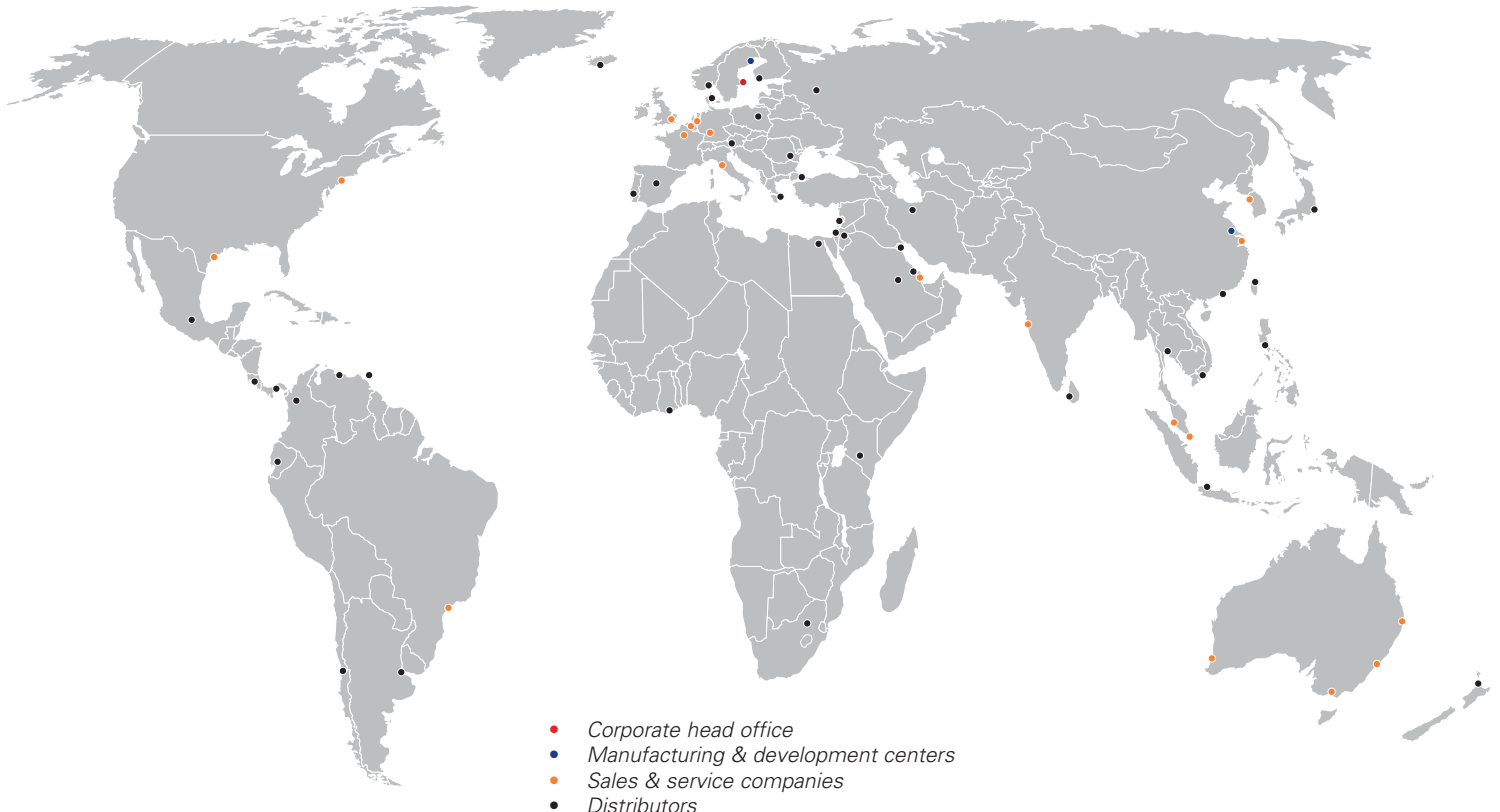
## Complete life-cycle support

Alimak Hek offers a variety of products and services designed to improve the efficiency and extend the lifetime of our elevators through the Alimak Hek companies and the global distributor network. We provide customer support programs, regular maintenance inspections, globe-spanning spare parts operations, and comprehensive commercial, technical, and application engineering training for everyone using and installing our products.



## After sales products and support offerings

- Service contracts
- Training
- Service maintenance programmes
- Genuine replacement parts
- Exchange components
- Upgrade packages
- Complete refurbishment services
- Installations



*The Alimak Hek Group is the world's leading supplier of mast climbing equipment and added value services for both temporary and permanent installations providing the most cost efficient, reliable, and flexible vertical access solutions for people and materials in the construction and general industry.*

*The Alimak Hek Group is owned by Triton, an independent European private equity investor, focusing on investing in companies with leading market positions in attractive industry niches. Triton has offices in Sweden, Germany and the UK.*

**[www.alimakhek.com](http://www.alimakhek.com)**

**Alimak Hek AB is ISO 9001 and 14001 certified.**

