

OFFSHORE WIND





WHY SARENS

BEST-IN-CLASS
SHEQ STANDARDS

100% FAMILY
OWNED

GLOBAL
OPERATIONS IN +70
COUNTRIES

TOP TIER
PROFESSIONALS
WITH A CAN-DO
MENTALITY

INNOVATIVE AND
SOLUTION-ORIENTED
IN-HOUSE ENGINEERING

+100.000 WIND
TURBINE
COMPONENTS
HANDLED

LOCAL PRESENCE IN
STRATEGIC REGIONS
WORLDWIDE

WORLD'S
LARGEST AND
MOST VERSATILE
EQUIPMENT FLEET,
INCLUDING THE
SARENS GIANT
CRANES (SGCs)

UNRIVALLED TRACK
RECORD IN CLOSE
TO 100% OF ALL
OFFSHORE WIND
PROJECTS

OFFSHORE: THE FUTURE OF ENERGY

WATCH
CREATORS &
EXPLORERS
VIDEO



WHY SARENS

As the world transitions to renewable energy, Sarens stands at the forefront of the offshore wind revolution. With decades of expertise in heavy lifting and engineered transport, Sarens offers unparalleled solutions to support the ever-growing demands of the offshore wind sector. Combining state-of-the-art equipment, centralised engineering, and a vast global presence, Sarens seamlessly integrates onshore and offshore operations to help meet renewable energy goals. Our commitment to innovation and safety ensures every project is executed with precision, no matter the scale or complexity.

SHAPING THE OFFSHORE WIND INDUSTRY

Sarens is a trusted partner in driving the offshore wind sector's growth, providing comprehensive solutions across all project phases. From foundation and turbine assembly to load-out and installation, our expertise ensures operational excellence at every stage. With a footprint spanning over 70 countries, Sarens leverages our local depots and global resources to deliver efficient, cost-effective solutions to remote and challenging environments. Our equipment fleet, including the record-breaking SGC-250 crane, exemplifies our ability to execute even the most ambitious offshore wind projects.

SEAMLESSLY INTEGRATING ONSHORE AND OFFSHORE OPERATIONS

Sarens bridges the gap between onshore and offshore operations, ensuring the smooth execution of projects critical to global renewable energy targets. By combining centralised engineering with a global network, Sarens delivers innovative, tailored solutions that simplify complex logistics. Whether marshalling wind turbine generators, handling monopiles and transition pieces, or facilitating substation installations, Sarens continues to set the benchmark for excellence in the offshore wind sector. Together, we are building a sustainable future powered by wind.



ABOUT US

WITH STATE-OF-THE-ART EQUIPMENT AND VALUE ENGINEERING, WE OFFER OUR CLIENTS CREATIVE SOLUTIONS.

At Sarens, our mission is to be the reference in crane rental services, heavy lifting, and engineered transport. We offer our clients innovative, customised solutions through high-tech equipment and value engineering. With more than 100 business units in over 70 locations, operating without borders, we are the ideal partner for small to mega-scale projects. Safety and excellence in all we do are paramount to us, and we strive to establish a safe environment for our personnel, the client's employees, and the equipment we operate and handle. Finally, we ensure that projects are delivered in a safe, cost-effective, and timely way.

Our enviable track record spans three decades in crane and equipment rental and transport, as well as complex project solutions. We are a pioneer in the offshore wind sector, delivering the highest level of expertise and service across the globe.

Our global expertise in over 70 countries is complemented by local depots that allow us to efficiently reach clients and minimise costs and transit time, especially in remote areas. As offshore wind evolves, increasing the complexity of logistics and supply chain requirements, Sarens is the sector's one-stop-shop for comprehensive solutions across a variety of offshore wind project phases, including foundation and WTG marshalling, WTG pre-assembly and integration, and substation load-outs.

Our services include:

- Engineering, design, and execution of port marshalling for fixed-bottom offshore wind equipment.
- Lifting and marshalling of wind farm foundations such as jackets, monopiles, transition pieces, and floaters.
- Load-in, load-out, and transport of XXL monopiles, transition pieces, jackets (including suction bucket jackets), and pin piles.
- Pre-assembly, integration, and marshalling of wind turbine generators (WTG).
- Complete support for OSS substations (AC and DC) and floating offshore wind (FLOW) projects, providing one-stop-shop solutions for nearly all project phases.



OUR SERVICES

As global energy faces bigger and bigger challenges, the realisation of critical infrastructure relies on the delivery of massive projects, and that's where Sarens comes in.

Sarens is powering tomorrow's world by delivering critical transport, construction, and installation solutions. Whether it be loading monopiles or lifting wind farm jackets, Sarens has the equipment to make it happen!

We are a one-stop solution for everything offshore. Our extensive fleet of SPMTs can deliver precision transport for truly enormous loads. Our barges come in every possible configuration for ultimate flexibility. We operate a world-leading selection of cranes, gantries, and climbing, jacking, and skidding systems. To top it off, Sarens' family of giant ring cranes, known as the Sarens Giant Cranes, include the world's largest crane, the SGC-250, and our humongous fully-electric marvel, the SGC-90, or Little Celeste. By combining equipment and services, Sarens can execute even the most complex of projects, from onshore logistics to offshore installations, and from concrete foundations to wind turbine generator components.

Our in-house design and engineering enables us to produce the custom solutions our clients need, whether it's TP handlers for moving transition pieces to barges available in endless configurations. Many of our new creations are custom-designed and created to advance offshore transport and installations.

We know that our world depends on new sources of energy and are doing everything we can to power the journey towards a bright future. Sarens is proud of our century of heavy lifting experience as well as our vision for the centuries still to come.

We provide services across these key categories:

- Bottom Fixed Foundations
 - Handling of gravity-based structures
 - Jacket handling (pinpile/suction bucket)
 - Monopile & transition piece handling
- Floating Foundations
 - Assembly
 - In situ transport
 - Launching
 - Ballasting/mooring
- Substations
 - In situ transport/jacking
 - Load in/out
 - Barge charter/operations
 - Ballasting/mooring
- Wind Turbine Generators
 - Component handling (blades/towers/nacelle)
 - Load in/out
 - Transport/storage
 - Pre-assembly
- Specialised Projects
- Engineering
 - Port feasibility studies
 - Marshalling/operations
 - Load spreading
 - Project management



GRAVITY-BASED STRUCTURES

Sarens supports the offshore wind industry with specialised services for gravity-based structures (GBS), which form the foundations of wind turbines. These large, stable bases, typically constructed from reinforced concrete or steel, are designed to rest on the seabed and provide support to wind turbines in offshore environments. Leveraging our expertise in heavy lifting, engineered transport, and crane operations, Sarens manages the lifting, onshore transport, and load-out of massive GBS units with absolute precision. To do it, we deploy our world-class fleet of equipment as well as custom-engineered solutions tailored to each client's needs. Sarens' extensive experience in assembling and maintaining wind farms worldwide makes us a trusted partner for vital offshore wind projects.

CASE STUDY

Supporting the Fécamp Offshore Wind Farm Project

The BSB consortium (Bouygues Travaux Publics, Saipem, and Boskalis) commissioned Sarens to execute lifting, onshore transport, and load-out operations for 71 gravity-based structures at the Port of Le Havre. Each GBS, weighing 4.800 tonnes and measuring up to 54 metres in height, serves as the foundation for wind turbines at the Fécamp Offshore Wind Farm, located 13-22 km off the Normandy coast.

Using a custom-engineered gantry system and 180 axle lines of SPMTs, Sarens transported the GBS onto cargo barges supported by advanced de-ballasting systems. With 24-hour operations and no downtime, Sarens demonstrated our world-class expertise in heavy lifting and engineered transport, advancing the wind farm's important sustainable energy goals.



JACKETS

Sarens is a trusted partner for specialised handling, transport, and assembly solutions for jacket substructures. These jackets often weigh over 1.000 tonnes and require meticulous planning and precision engineering for successful transport and placement.

With our diverse fleet of equipment, including SPMTs, gantry systems, and high-capacity ring cranes, we ensure seamless operations under challenging conditions. We frequently employ advanced techniques, like synchronised lifting and custom designed handling systems, to achieve precise alignment and assembly. With Sarens' extensive experience and commitment to safety and efficiency, we deliver reliable jacket foundation solutions to help offshore wind projects achieve their sustainability goals on time and within scope.

CASE STUDY 1

Facilitating Offshore Wind Jacket Assembly in Newcastle

Sarens deployed our colossal SGC-120 crane at the Smulders Projects yard in Newcastle, UK, to execute a critical load-out and assembly operation for offshore wind jacket modules. With a main boom extending 130 metres and a lifting capacity of 3.200 tonnes, the SGC-120 was instrumental in handling 397-tonne modules with precision and efficiency.

The operation involved lifting the wind farm modules from a barge and positioning them 120 metres away at the load-out site. The crane also facilitated the assembly of upper and lower jacket sections, achieving a combined height of 70 metres. This meticulous process required assembling the crane itself, a complex task involving 36 counterweights of 100 tonnes each. The team also navigated site constraints and unpredictable weather, ensuring the operation remained on schedule. To support the project, Sarens deployed 15 additional cranes, including CC2800s, LR1750s, and smaller mobile units.



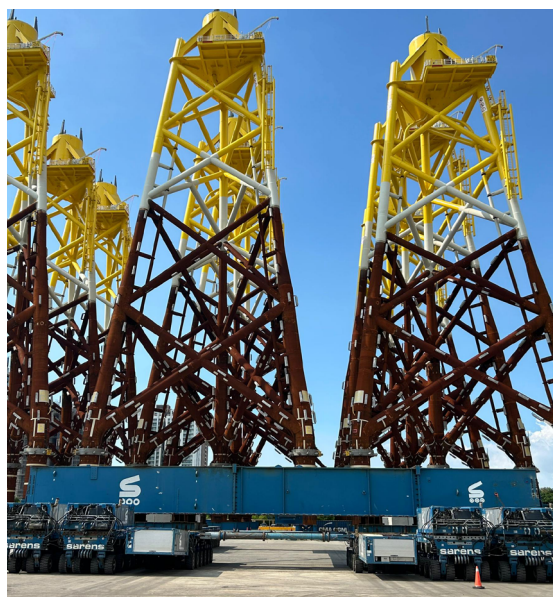
CASE STUDY 2

Supporting Taiwan's Hai Long Offshore Wind Farm

Sarens partnered with CSBC-DEME Wind Engineering (CDWE) to support the Hai Long Offshore Wind Farm—the largest turbine installation in Taiwan to date, totaling 1GW with 73 turbines at 14MW each.

Sarens was responsible for the marshalling of 156 pin piles and 52 three-legged jackets. Pin piles were received, stored on sand dunes, and moved with 44-axle SPMTs. Jackets, weighing up to 2.400 tonnes and standing 95 metres tall, were offloaded via RORO and transported upright on 104-line SPMTs using custom-engineered support systems to accommodate their 32-metre leg spacing.

The operation included tide-sensitive load-outs and round-the-clock shift work. Despite seismic risks and monsoon season challenges, Sarens' expert coordination ensures safe, efficient transport and staging for offshore installation by CDWE's Green Jade vessel.



MONOPILES & TRANSITION PIECES

Sarens has consistently supported the offshore wind sector, particularly in the monopiles and transition pieces category, by providing innovative and efficient lifting and transport solutions. Our expertise is demonstrated across several major projects, including the marshalling and assembly of some of the largest and heaviest monopiles. Using specialised equipment like SPMTs and custom lifting systems, we ensure safe and precise handling of these massive structures.

A key challenge during these operations is managing the varying sizes of monopiles and the logistics involved in moving them from storage to the load-out site under adverse conditions. Sarens overcomes these hurdles by engineering adaptable systems like gantry solutions capable of efficiently lifting monopiles of different sizes. Additionally, Sarens has developed the TP Handler, a specialised piece of equipment similar to a giant forklift, designed specifically to handle transition pieces (TPs). The TP Handler, supported by parallel Kamag SPMTs, ensures exceptional stability and accuracy when positioning TPs on-site. Sarens' ability to coordinate large-scale operations while maintaining tight timelines makes us a key player in this segment.

CASE STUDY 1

Supporting the Coastal Virginia Offshore Wind Farm

Sarens is proud to support the Coastal Virginia Offshore Wind (CVOW) project—the largest offshore wind farm in the United States. Located 26–40 miles off the coast of Virginia, CVOW will generate 2.640 MW of clean energy through 176 wind turbines and three offshore substations.

Working with Virginia International Terminals (VIT) at Portsmouth Marine Terminal, Sarens is managing the load-in, storage, and handling of 176 monopiles, 176 transition pieces, and jackets and topsides for the substations.

Operations began in 2023 with the successful delivery and offloading of the first monopiles from Germany. With extensive expertise in heavy transport and lifting, Sarens is playing a key role in ensuring safe, efficient execution through 2025, helping power over 660000 U.S. homes with renewable energy.



CASE STUDY 2

Marshalling Monopiles for the Moray West Offshore Wind Farm

Sarens PSG supported Ocean Winds with monopile marshalling services for the Moray West offshore wind farm, located in the North Sea, 22 kilometres off the coast of Scotland. The project involved handling 62 XXL monopiles, each weighing up to 2,000 tonnes, the heaviest ever managed in the UK.

Sarens PSG mobilised and demobilised all equipment for the operation, including the construction of soil bunds for monopile storage, which required meticulous coordination over several months. Using 166 axle-line SPMTs, the team navigated adverse weather conditions to ensure efficient load-out. This successful operation will contribute 822 MW to Scotland's renewable energy capacity, helping the country further its goal of net-zero carbon emissions. Sarens PSG is proud to support Ocean Winds in this monumental step towards a sustainable future.



CASE STUDY 3

Marshalling Offshore Wind Components in Eastern Canada

Sarens delivered a turnkey marshalling solution at the Atlantic Canada Bulk Terminal in Sydney, Nova Scotia. With limited U.S. port capacity and a backlog of European-manufactured monopiles, Sarens stepped in to develop a fully operational logistics base on Canada's east coast.

Sarens engineered and executed the full scope of site mobilisation: quay reinforcement, transport and lifting plans, yard laydown design, and the construction of a custom Roll-on/Roll-off (RoRo) ramp. Using 72 axle lines of SPMTs, Sarens performed the first monopile load-in—each unit weighing up to 1,900 tonnes.

To date, the terminal has received 15 monopiles with more deliveries on the horizon, including transition pieces and offshore wind blades exceeding 110 metres in length. Sarens' end-to-end involvement—from engineering to on-site execution—has positioned Sydney as a key logistics hub for North American offshore wind.



WIND TURBINE GENERATOR/ PRE-ASSEMBLY

Sarens is a trusted partner for the pre-assembly of wind turbine generators (WTGs) for offshore wind projects. We have worked with major clients, including Siemens Gamesa Renewable Energy Service SAS (SGRE) and Van Oord, to support the assembly of offshore wind farms by handling large turbine components such as tower sections, blades, and nacelles.

Sarens deploys specialised cranes and lifting equipment to perform precise lifting and tailing operations, as well as transport solutions for the load-out turbine components. We prioritise safety in all operations and work closely with clients to execute projects on time and on budget.

CASE STUDY

Supporting Saint Briec Offshore Wind Farm Development

Sarens supported the construction of the Saint Briec offshore wind farm, located in the French sector of the North Sea. In collaboration with Siemens Gamesa Renewable Energy Service SAS (SGRE) and Van Oord, Sarens was tasked with assembling turbine tower sections onshore and facilitating their transfer to installation vessels.

The project involved the careful lifting and positioning of various turbine components, including tower sections, blades, and nacelles. Specialised cranes were used for precise lifting and tailing operations. Sarens also worked with Seafrigo dockers, all of whom underwent training to ensure seamless execution. Throughout the project, we maintained a perfect safety record, successfully completing work without any accidents or Lost Time Incidents (LTIs), and reinforcing our commitment to safety and quality in offshore wind energy development.



SUBSTATIONS

Sarens provides essential services for offshore wind farm substation handling, including the transportation and installation of large, heavy infrastructure components. Our fleet of SPMTs efficiently moves massive substation units, ensuring precision and safety throughout the process. Our expertise also includes calculating the weight and centre of gravity of these structures using advanced load cell systems, which are integral to the safe handling of such oversized equipment.

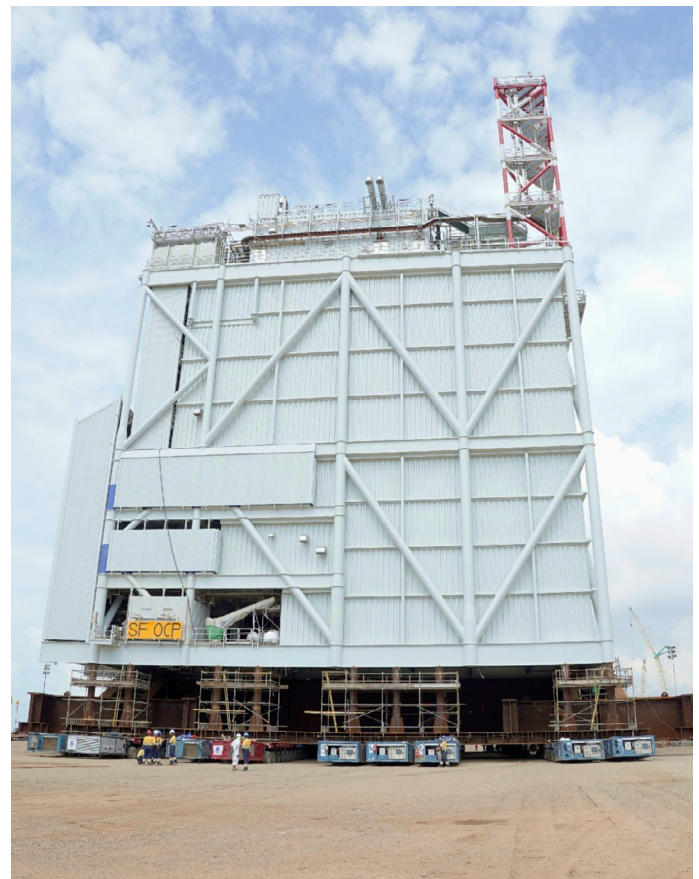
In addition to transport, Sarens manages the critical task of positioning and securing these structures, often in challenging environmental conditions such as fluctuating tides and strong currents. For load-out and load-in operations, the team ensures that all components are safely handled from transport vessels while maintaining stability.

CASE STUDY

Transporting and Loading Out the Heaviest Offshore Converter Platform Topside in Southeast Asia

Sarens successfully executed the transportation and load-out of the heaviest offshore converter platform (OCP) topside ever moved in Southeast Asia. This massive structure, weighing 14.000 tonnes and standing 57 metres high, was part of a critical project for a major offshore wind farm. The operation took place at the Seatrium yard in Batam, Indonesia, where Sarens provided comprehensive services including manpower, engineering, and the use of 524 axles with 18 SPMTs.

The operation was challenging due to the sheer size and weight of each component, as well as logistical difficulties such as adverse weather conditions. Despite this, Sarens' expertise and careful planning ensured the safe and timely completion of the project. The success of this load-out further solidifies Sarens as a leader in complex heavy lifting and transport for offshore wind energy projects.



FLOATING FOUNDATIONS

The Floating Offshore Wind (FLOW) sector is a rapidly advancing technology designed to harness wind energy from deeper waters, where traditional bottom-fixed structures cannot be installed. This innovative technology is expected to unlock 80% of global offshore wind resources, providing significant environmental and energy generation benefits. Sarens, with over 70 years of expertise in heavy lifting, transportation, and assembly, is a key player in supporting the FLOW sector. Offering a comprehensive range of services, Sarens provides lifting solutions, from crane rentals to turnkey project management, for floating wind turbine installations. With a strong engineering team and a broad global presence, Sarens is committed to supporting the growth of FLOW and meeting the demands of this evolving market.

OUR PARTNERSHIPS

Sarens has formed key partnerships to advance the floating offshore wind (FLOW) sector. Our collaboration with Tugdock Ltd. introduces innovative solutions using Tugdock's patented submersible floating dry docks for efficient wind turbine assembly in shallow waters, reducing time and costs for developers. Sarens' involvement accelerates the transition to net-zero by combining expertise in heavy lifting and engineered transport with Tugdock's buoyancy technology. Additionally, Sarens partners with Technip Energies and Young Chang to support South Korea's floating offshore wind industry, offering integrated marshalling and turbine assembly services. Furthermore, Sarens' strategic alliance with Associated British Ports (ABP) in Port Talbot aims to make the port a key hub for FLOW technology, driving growth in renewable energy while creating high-quality local jobs.

CASE STUDY 1

Supporting the First Floating Wind Farm in France

Sarens played a crucial role at Provence Grand Large, France's pilot offshore floating wind farm. Once complete, the farm will consist of three 8.4 MW Siemens Gamesa turbines installed on pyramid-shaped floating foundations. Sarens performed major lifts, weighing, and load-out operations at Eiffage Métal's fabrication site in Fos-sur-Mer. The team used an LR1800 and CC2500 crawler crane, as well as 20 axle lines of SPMTs, to lift and assemble the floating foundation components. Sarens then facilitated weighing and load-out using advanced hydraulic systems and SPMTs. The three 2.800T floating foundations were carefully loaded onto a semi-submersible barge for transport to their installation site 17 km off the coast.



CASE STUDY 2

Maintaining Hywind Scotland, the World's First Floating Wind Farm

Sarens was tasked by the Port of Wergeland, Norway, to support the maintenance of floating wind turbines at Hywind Scotland, the world's first floating wind farm. Located 25 km offshore Peterhead, Hywind Scotland consists of five Siemens Gamesa 6 MW turbines. The maintenance campaign involved lifting nacelles and blades, transporting components, and moving generators in and out of workshops. Sarens deployed advanced equipment, including the LR12500-1.0 crane with a tagline system, SPMTs for transport, and a custom lightweight spacer beam for 75-metre blades. Our expertise in offshore wind farm operations and heavy lifting ensured safe, efficient service and played a key role in maintaining the turbines that power around 35.000 UK homes.





SPECIALISED PROJECTS

Sarens provides tailored heavy lift, specialised transport, and engineering solutions for unique and complex projects in the offshore wind sector. These projects often require innovative approaches as they go beyond typical offshore wind farm operations. Sarens' expertise in handling extraordinary loads and intricate logistics is crucial when dealing with specialised equipment, unconventional structures, or installations in challenging environments.

We customise our approach to meet specific project needs. Using advanced cranes, self-propelled modular transporters (SPMTs), and other specialised equipment, Sarens ensures the safe and efficient handling of heavy and oversized loads, even under difficult weather conditions or in remote locations.

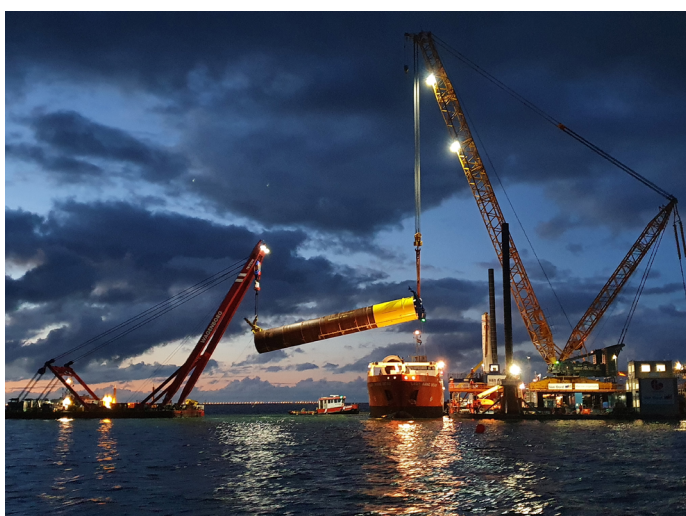
Our engineering team works closely with clients to design and implement bespoke solutions, overcoming any technical or logistical challenges to ensure the success of each specialised project.

CASE STUDY

Designing a Custom Solution to Install 89 Monopiles at the Fryslân Wind Farm

Sarens provided engineering and heavy lifting solutions for the installation of 89 monopiles at the Wind Farm Fryslân, located in the IJsselmeer, Netherlands. The challenge was the shallow waters and restricted access, necessitating a unique approach. Sarens designed a large, combined barge spread, named the "Sarens Soccer Pitch" (SSP), using 88 modular barges to support a 1250T class crane, the PC6800. This innovative solution minimised the draft and facilitated efficient installation despite the site's constraints.

As part of installation work, Sarens lifted monopiles up to 250T and 39m long, as well as a 300T hammer. We completed the task within six weeks despite complex logistics and weather conditions, with the team achieving impressive results, including installing two monopiles in a single 12-hour shift. The project demonstrated Sarens' engineering capabilities and expertise in overcoming unconventional challenges in offshore wind projects.



KEY FACTS



9
REGIONS



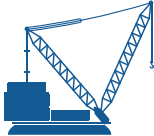
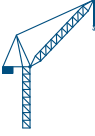



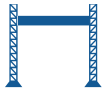














+70
COUNTRIES



6.000
EMPLOYEES
(2025)

OVERVIEW EQUIPMENT

<p>CRANES</p>	 HYDRAULIC CRANES	 LATTICE BOOM CRANES	 GIANT CRANES	 HEAVY-LIFTING TOWER CRANES		
<p>TRANSPORT EQUIPMENT</p>	 CONVENTIONAL TRAILERS	 MECHANICAL STEERING	 MODULAR TRAILERS ELECTRONIC STEERING			
<p>TECHNICAL SOLUTIONS EQUIPMENT</p>	 GANTRIES	 JACKING SYSTEMS	 STRAND JACKS	 SKIDDING		
<p>MARITIME EQUIPMENT</p>	 BARGES	 TWIN BARGES	 MODULAR BARGES			
<p>MATERIAL HANDLING EQUIPMENT</p>	 FORKLIFTS	 AERIAL WORK PLATFORMS	 REACH STACKERS	 TELEHANDLERS	 POWER SWEEPERS	 EARTH MOVING EQUIPMENT

GLOBAL PRESENCE



ALGERIA • AUSTRALIA • AZERBAIJAN • BAHRAIN • BANGLADESH • BELARUS • BELGIUM •
BOTSWANA • BRAZIL • CANADA • CHILE • CHINA • COLOMBIA •
DEMOCRATIC REPUBLIC OF CONGO • CZECH REPUBLIC • DOMINICAN REPUBLIC •
ECUADOR • EGYPT • ESTONIA • ETHIOPIA • FRANCE • GERMANY • GREECE • INDIA
• INDONESIA • IRAQ • IRELAND • ISRAEL • ITALY • IVORY COAST • KAZAKHSTAN •
LITHUANIA • MALAYSIA • MEXICO • MOROCCO • MOZAMBIQUE • NAMIBIA • NEW
CALEDONIA • THE NETHERLANDS • NIGERIA • NORWAY • PANAMA • PAPUA NEW GUINEA
• PERU • PHILIPPINES • POLAND • QATAR • RUSSIA • SERBIA • SINGAPORE • SLOVAKIA •
SOUTH AFRICA • SOUTH KOREA • SPAIN • TAIWAN • TANZANIA • THAILAND • TUNISIA •
TURKEY • UAE • UGANDA • UK • UKRAINE • USA • UZBEKISTAN • VIETNAM • ZAMBIA





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