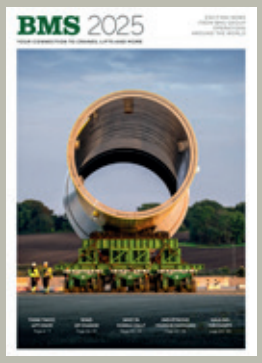
BMS 2025

YOUR CONNECTION TO CRANES, LIFTS AND MORE

EXCITING NEWS
FROM BMS GROUP
OPERATIONS
AROUND THE WORLD



Since the commencement of production of the monopiles for Ørsted's Borkum Riffgrund 3 offshore wind farm, BMS A/S has supported CS WIND Offshore with the internal transportation of plates and sections as well as the transport of finished monopiles, facilitated by an increasingly extensive fleet of self-propelled modular transporters (SPMTs).

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BMS

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A GLOBAL PLAYER WITH A STRONG LOCAL PRESENCE

SINCE ITS ESTABLISHMENT IN 1953 – AS PART OF THE EUROPEAN RECOVERY PROGRAMME TO REBUILD WAR-TORN REGIONS AFTER WORLD WAR II, REMOVE TRADE BARRIERS, MODERNISE INDUSTRY AND IMPROVE EUROPEAN PROSPERITY – THE BMS GROUP HAS GROWN STEADILY LARGER.

Our primary area of work for a couple of decades was our country of origin, Denmark, but today, we tackle tasks across five continents. This is done based on a clear vision: We strive to be a global player and the preferred supplier of cranes, lifts and transport solutions whilst maintaining a strong local presence.

Over the years, we have grown to be by far the largest company of our kind in Denmark and among the market leaders in Europe. In 2024, the BMS Group rose to 3rd place among the European based companies on the 'International Cranes and Specialized Transport IC100', an overview of the world's largest crane companies measured by the total load capacity in tonne-meters in the company's total fleet.

I am both pleased and proud to welcome you to the tenth issue of BMS magazine, which provides a snapshot of the various tasks we handle across the companies in the BMS Group.

Typically, in the magazine, we concentrate on specific case studies; however, this time, we will also share more about two significant organisational changes that have occurred over the past couple of years:

JaloBMS:

This new company was created when BMS A/S and the Finnish lift expert Jalo & Jalo Oy decided to enter into a joint venture. Together, we have created one of Europe's largest suppliers of truck-mounted platforms for heights exceeding 30 metres, thus significantly strengthening our position in the market for large truck-mounted lifts.

BMS Stangeland:

We expanded our 2021 joint venture with the Norwegian Stangeland Group by acquiring the Finnish heavy lift company Havator Group Oy.

This fosters a robust crane group operating in Norway, Sweden, and Finland – and working closely with BMS in Denmark and BMS Heavy Cranes.

I hope you enjoy reading about some of the projects that the BMS Group has undertaken. This should give you a sense of the variety of tasks we engage in – and what we stand for.

We look forward to conducting business with you.

Jens Enggaard
CEO

THINK TWICE, LIFT ONCE

HALFWAY THROUGH 2024, DANISH BMS GROUP AND NORWEGIAN STANGELAND GROUP EXPANDED THEIR JOINT VENTURE BMS STANGELAND BY ACQUIRING THE FINNISH HEAVY LIFT COMPANY HAVATOR GROUP OY.

"IT IS A GREAT PRIVILEGE TO UNDERTAKE SUCH SIGNIFICANT MULTINATIONAL INTEGRATION. HAVATOR IS A STRONG AND RESPECTED NAME."

BMS and Stangeland formed a joint venture in 2021 when BMS sold Kranringen to Stangeland's Crane Norway Group for 50 per cent stake in the crane business. BMS Stangeland A/S, headquartered in Copenhagen, was established in 2024.

"Having closely followed Havator for several years, we are thrilled that the time has come to join forces. Havator is a company with strong values and a dedicated, skilled workforce. As a result, we eagerly anticipate welcoming Havator's employees into our crane family. Moreover, this collaboration fosters a robust crane group operating in Norway, Sweden, and Finland, which will also work closely with BMS in Denmark and BMS Heavy Cranes", says Jens Enggaard, CEO of both BMS and BMS Stangeland.

At the time of the acquisition, Havator had a turnover of approximately 100 million EUR and employed around 450 people. Focusing especially on Finland, Sweden, and the Baltic countries, Havator is a Nordic leader in lifting, special transport, and heavy haulage services. With more than 30 local depots, Havator finds the optimal solutions under the motto 'Think twice, lift once'.

Sami Jalo, who previously served as the Managing Director of Jalo & Jalo Oy, is the new CEO of Havator Oy, while Henrik Modéer continues as CEO of Havator AB in Sweden.

"It is a great privilege to undertake such significant multinational integration. Havator is a strong and respected name. We will continue to shape the future in our region under this brand. The staff are experienced and skilled, which we believe will strengthen the entire BMS Stangeland family as we make this cooperation work", says Sami Jalo.

In the long term, BMS Stangeland aims to progressively shift business responsibility towards local and country-specific directions, supporting local operations with their extensive equipment and expertise, and leveraging capabilities across different countries and organisations to serve customers

in the best possible way.
On a daily basis, there is already a significant level of cross-border coworking among colleagues from Finland, Sweden, Norway, and Denmark. Additionally, within a short period, the new organisation has successfully transitioned equipment from BMS Heavy Cranes from competitor cranes to internal cranes.

In Finland, Havator has noted a decline in the construction industry. Consequently, the company is increasingly exploring new sectors such as powerlines, shipyards, infrastructure, the military, data centres, heavy industry, and industrial shutdowns. Moreover, Havator is seeking to expand its operations to additional locations within Finland.
"In Sweden, growth has been seen in the industry project-related business in the northern part of the country, which is expected to continue in coming years. Furthermore, since the end of 2024, Havator AB has also been operating the previous BMS Kranar AB business in Malmö and Gothenburg. This has enhanced the overall service capability for customers, both geographically in southern Sweden and in terms of equipment, such as heavy handling services and project capacities", says Henrik Modéer.

As far as the Swedish market is concerned, these are just a few examples of Havator's recent activities:
• Aurora Line between Messaure in northern Sweden and Pyhänselkä in western Finland – a new 400 kV power transmission line securing an important part of the future electricity supply to the Nordic and European markets.

• Boliden Rönnskär in Skellefteå - construction of a new electrolysis plant.

• Mondi Dynäs AB in Kramfors – an industry projectfor a global leader in packaging and paper.

Havator is a supplier for the major industry projects in Oxelösund and Boden where lifting services are delivered to support the greenshift transformation.

The three companies were nearly established at the same time: BMS in Denmark in 1953, Havator in Finland in 1956, and Stangeland in Norway in 1959.

REACHING FOR THE TOP IN ACCESS PLATFORMS

THE COMPANY JALOBMS SAW THE LIGHT OF DAY WHEN BMS A/S AND THE FINNISH LIFT EXPERT JALO & JALO OY DECIDED TO ENTER INTO A JOINT VENTURE IN 2023. TOGETHER, THEY HAVE CREATED ONE OF EUROPE'S LARGEST SUPPLIERS OF TRUCK-MOUNTED PLATFORMS FOR HEIGHTS EXCEEDING 30 METRES.

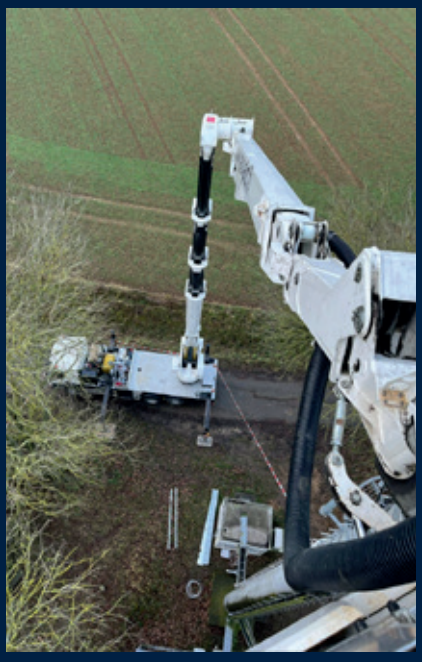
// TRUCK-MOUNTED PLATFORMS
// SCANDINAVIA, FINLAND, GERMANY

In his introductory article in the BMS magazine published in early 2024, BMS A/S CEO Jens Enggaard described the joint venture as a significant strengthening of the position in the market for large truck-mounted lifts – and as an internationally oriented collaboration.

From the outset, JaloBMS has concentrated on assignments in Scandinavia and Finland, including through its subsidiary, Svenska Höjdliftar AB. This company has its headquarters in Stockholm, which has enabled engagement in numerous projects at cultural and historical landmarks such as the Swedish Museum of National History. However, the company is providing its services all over Sweden, just as its eyes are set southwards, as demonstrated by the establishment of JaloBMS GmbH in Germany.

With its sustainable approach, JaloBMS GmbH supports and contributes to the expansion of Germany's infrastructure with specialised services in telecommunications and overhead line construction. JaloBMS GmbH offers truck-mounted aerial work platforms with working heights of over 45 metres and a crew of experienced operators, thereby filling an important market gap in Germany. The focus is on quality, flexibility, and reliability to provide safe and efficient solutions for complex projects.

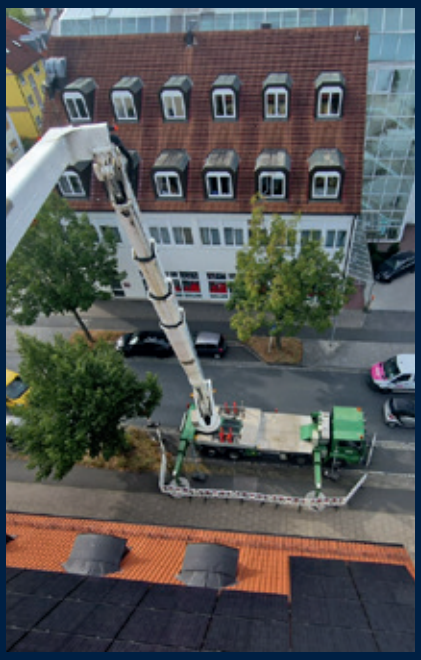
Traditionally, the telecom sector and the continual expansion of the mobile network have constituted a significant part of the company's business foundation. However, today, attention



is also on tasks in the energy sector, the wind power industry, and construction. Whatever the area of work, the key term is "delivery reliability."

Another important area of work includes bridge projects, in which the company has notably undertaken various tasks in Sweden. An example of this is two extensive under-bridge assignments where crew and equipment from the JaloBMS companies Svenska Höjdliftar and Jalo & Jalo have worked for nearly six months for GRK Sverige AB, a leading company in the development of infrastructure.

With approximately 100 truck-mounted platforms at present, one of Jalo-BMS's long-term goals is to offer the telecom sector throughout Northern Europe sufficient volume and expertise regarding truck-mounted platforms. Also, working on high voltage powerlines and wind turbines is among the many tasks the company sees as an important business area, as their lifts can operate within working heights ranging from 30 to 104 metres.



BUILDING BRIDGES TO THE FUTURE OF ENERGY

WHEN CROSSBRIDGE ENERGY A/S UNDERTOOK A METICULOUSLY PLANNED CLEANING AND MAINTENANCE SHUTDOWN AT THE REFINERY IN FREDERICIA, THE BMS GROUP WAS ONE OF THE 650 EXTERNAL SUBCONTRACTORS INVOLVED.

// OIL & GAS
// DENMARK

The internal term for such a shutdown process is "turnaround". It is an appropriate expression because it certainly represents a significant pause when many elements are reviewed methodically to ensure they are ready to produce 10,000 tonnes of liquid fuel a day.

A couple of the really big tasks during the four-week-long turnaround were the planned renovation of the 99-metre-high main chimney and the flare, which stands at a height of 60 metres.

At one point, the BMS Group had 65 people working in two shifts. During the process, both a 450-tonne mobile crane and a 250-tonne crawler crane were requisitioned for the chimney project, while a 230-tonne mobile crane and two 90-metre lifts were in operation for the flare project. In total, 21 units from the BMS Group were involved in the assignment during the peak of activity.

The turnaround, described as the largest in over 20 years, involved more than 86,000 man-hours contributed by blacksmiths, electricians, crane operators, scaffolders, and various experts in liquid fuel production. As the top priority for Crossbridge Energy is safety at work, everyone underwent specific safety training in working and moving around in a refinery before starting their tasks.

Crossbridge Energy operates the refinery in Fredericia, supplying over 35 per cent of Denmark's total consumption of liquid fuels for shipping, aircraft, cars, tractors, and lorries.

The refinery is one of the most energy-efficient in the world, largely because surplus heat from the production processes is used for district heating. The heat supply is equivalent to the annual consumption of over 23,000 typical households.

RECOGNITION FROM CLIENTS AND PEERS

// INFRASTRUCTURE & WIND
// AUSTRALIA

JUST A HANDFUL OF YEARS AGO, BMS HEAVY CRANES AUSTRALIA WAS PRACTICALLY UNKNOWN. IT IS SAFE TO SAY THAT THIS IS NO LONGER THE CASE, AS THE COMPANY HAS EVOLVED INTO A MAJOR PLAYER, PARTICULARLY IN THE WIND TURBINE SECTOR.

The best evidence of this is, of course, the tasks with which the company has been entrusted. The next best thing is when both clients and industry peers officially recognise the effort that is being made.

Recognition of this sort was most recently expressed when BMS Heavy Cranes Australia won the Crane Industry Council of Australia award for "Lift of the Year", which was given for work on a major Australian infrastructure project. In addition, the company won "The Bill Shaw Memorial Trophy" for best overall lift, also awarded for the installation of Bridge 80 of the West Gate Tunnel Project in Melbourne, Victoria. The trophy cabinet at BMS Heavy Cranes also holds "The Global Supplier Award for Safety" from Vestas Wind Systems, recognising the outstanding performance of the teams in Australia and the Pacific Region for their commitment to safety across Vestas projects and the supply chain.

During the past twelve months, employees and equipment have contributed to projects such as the Golden

Plains Wind Farm in Victoria. Consisting of 122 turbines, it is a flagship project for Vestas Wind Systems, and at the time of writing, construction has surpassed the halfway point.

In addition, intense work has been going on at the MacIntyre Wind Farm in Queensland, an even larger project as it involves handling and installing no fewer than 162 Nordex turbines, which, as of December 2024, has completed all lifting works with the last turbine blade installed. Thus, it is the biggest wind farm in the southern hemisphere at the time of completion.

Between these two projects, BMS Heavy Cranes Australia is working to help clients deliver renewable power to over 1,000,000 homes in Australia.

When the Australian part of the BMS Group was established about six years ago, there were only a handful of employees. Today, there are over 100 – and the overwhelming majority have been with the company for several years.

ADAPTING TO AN INDUSTRY UNDERGOING SIGNIFICANT CHANGE

// WIND
// GLOBAL

THE WIND TURBINE INDUSTRY IS DEVELOPING RAPIDLY, AND IN RECENT YEARS, BMS LIFT HAS EXPERIENCED A DECLINE IN DEMAND FOR TRUCK-MOUNTED LIFTS FOR THIS SECTOR. CHEAPER ALTERNATIVES SUCH HAVE MADE THEIR ENTRANCE, AND TO MEET THE CHANGING NEEDS, THE BMS GROUP HAS CHOSEN TO INVEST IN SQYFLEX PLATFORMS.

SQYFlex is an advanced work platform developed to repair and maintain wind turbine blades. The platform is attached with steel wires to the wind turbine's nacelle, which is used to hoist the platform up and down along the tower. SQYFlex can change shape to fit the part of the blade being worked on.

Customers can divide the platform into smaller chambers, heating them with the built-in heat lamps and controlling the humidity with a dehumidifier. Among the other advantages of SQYFlex is easy transport, as the platform is built on a trailer that can be hooked to a van.

The platform can carry three technicians or 550 kg and is approved to operate in winds of up to 14 m/s. This means that it meets the industry's high efficiency and safety requirements and is also a flexible solution adapted to individual needs.

Investing in the SQYFlex platforms is a strategic decision ensuring that the BMS Group can continue to be a strong player in the wind turbine industry. The new platforms thus complement the existing products and enable the companies in the BMS Group to offer modern tools that are both efficient and relevant to customers.

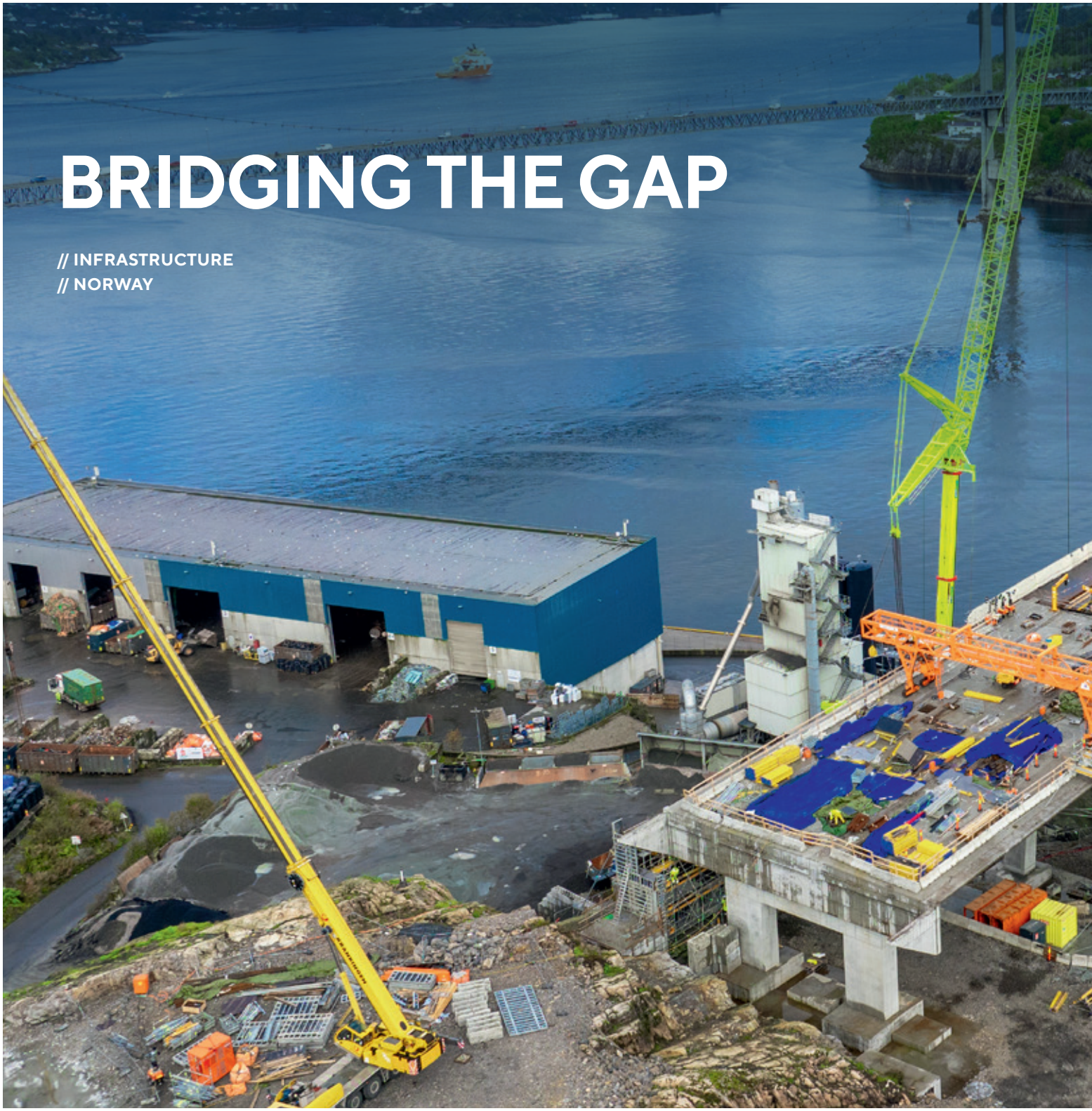
SQYFlex is offered as a "just rental" solution, where customers handle the operation themselves. If desired, BMS Lift can also offer rental with operators, so there is flexibility similar to renting truck-mounted lifts.

SQYFlex
360 degrees blade access

- Assembly time on site: 10 minutes
- Reach from tower to tip: 16.2 m
- Root diameter: 3.2 m
- Max chord: 4.5 m x 2 m
- Weight with trailer: 3,500 kg
- Transport dimensions:
  L: 6.40 m H: 3.10 m W: 2.45 m
- Approved in accordance with
  EN 1808

BRIDGING THE GAP

// INFRASTRUCTURE
// NORWAY



A main bridge of 30 metres in width, almost a kilometre long and with 145-metre-high towers. And a system consisting of 19 car and pedestrian underpasses, 23 tunnel portals, another 21 bridges and viaducts, new four-lane highways and 14 kilometres of pavements and cycle paths as well as approximately 24 kilometres of two-lane access roads. These are essentially the elements of the 10-kilometre-long infrastructure project Sotrasambandet (the Sotra Connection) that will remove bottlenecks and improve safety for road users just southwest of the city of Bergen in western Norway.

Construction work started in the spring of 2023 and will continue until the inauguration in mid-2027. During this period, numerous cranes and a large workforce from Crane Norway Group AS will be engaged in the project. As a result, various types and sizes of cranes can be seen throughout the area, with 15 to 20 machines ranging from 60 to 700 tonnes operating simultaneously at times.

The task is both exciting and logistically demanding. Different cranes of varying sizes must be mobilised, often within a short timeframe and obviously with the right setup. This demands a great deal of organisation, from the planning engineers to drivers, crane operators, and coordinators.

The Sotra Connection is the largest single contract the

The Sotra Connection will be sustainability certified according to the BREEAM Infrastructure classification, where the goal is to achieve "very good". BREEAM Infrastructure contains several hundred sustainability criteria (environmental, social and economic), and a system has been implemented to ensure that sustainability work is integrated at all levels.

Norwegian Public Roads Administration has ever signed. Indeed, it also represented the largest publicly funded road contract awarded in Europe during the year 2021. The total project envelope is almost 2 billion EUR, including preparatory works that have been ongoing since 2018.

The existing transport system west of Bergen is very vulnerable, with a two-lane bridge as the only land-based access to an area with extensive business in the oil and gas sector, maritime activity and aquaculture. Thus, the Sotra Connection will not only result in significantly shorter travel times for both road users and public transport in the Bergen area but also lay a solid foundation for further development and growth in the region.

WHO YA GONNA CALL?

MANY OF OUR READERS WILL UNDOUBTEDLY REMEMBER THE MOVIE "GHOSTBUSTERS" FROM 1984, WIDELY KNOWN FOR THE TITLE TRACK BY THE AMERICAN SONGWRITER RAY PARKER JR. WE GUESS THAT MOST PEOPLE WILL BE ABLE TO SING ALONG TO:

"If there's somethin' strange in your neighborhood - who ya gonna call?"

You can also ask this question when it comes to crane tasks, transport, jacking and skidding – and the answer is almost as simple: Skaks A/S.

The pictures on these pages give a small insight into the varied tasks that the company performs.

The fleet of vehicles includes truck-mounted cranes ranging from the smallest at 10 tm to the largest in the world at 455 tm.

The range of the equipment is evident when you look at such diverse tasks as the hoisting, jacking and skidding of an extruder to the 4th floor of the knowledge and culture centre Alsion (Hoeflon C10 compact crane) and the installation of a 400-tonne overhead crane under the ceiling of the steel solution company Welcon A/S (400 and 455 tm cranes).

Skaks A/S is also a significant player in special transports. These include relocating 360 rotohouses (12 x 10.5 x 3.6 metres and 108 tonnes) for the company SM Industries A/S, which has a long track record of manufacturing wind turbine towers. Or how about transporting 220 cable drums with dimensions of 6 x 4.8 metres and 32 tonnes for Munck Forsyningsledninger from production to the mast line?

In terms of mobile cranes, Skaks A/S has equipment from 90 to 650 tonnes, which has recently been used in connection with the hoisting of a 750-tonne penthouse together with colleagues from BMS Krangården, just as they have lifted a large elevator together with BMS Aarhus. Also worth mentioning is the unloading of two transformers weighing 220 tonnes in the Danish west coast port of Hanstholm.

Another significant business area for Skaks A/S is jacking and skidding. One of the more special tasks has been relocating a small house in danger of crashing into the sea in the wake of a storm surge. The house, with dimensions of 18 x 9 metres and a weight of approximately 25 tonnes, had to be lifted 1.85 metres and then, with the help of a rail system, moved to safety 25 metres inland.

INDUSTRIOUS YEARS IN TAICHUNG

FOR MORE THAN FIVE YEARS, THE PERSONNEL AND EQUIPMENT OF BMS HEAVY CRANES HAVE CONSISTENTLY BEEN OPERATING AT THE PORT OF TAICHUNG, TAIWAN, WHERE SOLUTIONS ARE BEING PROVIDED FOR MAJOR STAKEHOLDERS IN THE WIND TURBINE INDUSTRY.

The port city of Taichung is not only a hub for handling elements for wind farms, but it is also home to BMS Heavy Cranes Taiwan Ltd.

// WIND
// TAIWAN

The Greater Changhua 2 and Hai Long wind farms will be equipped with turbines supplied by Siemens Gamesa Renewable Energy. At the Port of Taichung, BMS Heavy Cranes handles the blades, towers, and nacelles upon arrival, transporting them to storage areas before upending the components on-site for assembly and eventual shipment and installation.
Usually, only one large and one smaller crane is needed to upend the tower sections. However, for Greater Changhua 2, it is necessary to use two Liebherr LR11350 crawler cranes, both equipped with Superlift, to meet the project's significant lifting demands.

Greater Changhua 2 will consist of 66 14MW SGDD-236 wind turbines. Components deliveries began in the autumn of 2024 and will continue until September 2025.

The towers for the Hai Long project are slightly different in dimension, so a more common setup can be used with a Liebherr LR11350 and a smaller Liebherr LR1400 crawler crane. However, this project has other challenges, as the working area is somewhat smaller than usual.

Hai Long is an even larger project, including 73 14MW SGDD-236 wind turbines. Here, components began to arrive in November 2024, while the preassembly scope is expected to continue until June 2026.

Given the components' distribution across various locations within the port, logistical coordination is critical. Transport operations are restricted to nighttime hours, adding to the complexity. To streamline processes, BMS Heavy Cranes is developing an application to accurately track component locations, arrival schedules, and relocation timelines.

Siemens Gamesa Renewable Energy expects the planning, logistics, driving, and crane work on and around the site to be carried out according to their standards. As the practical handling of cranes, forklifts, cherry pickers, etc., must only be performed by employees with a local licence, this work has been outsourced to BMS Heavy Cranes' local partners. Thus, BMS Heavy Cranes' primary tasks are management, paperwork and direct contact with the customer – and, of course, ensuring that the partners work according to the guidelines and standards.

In addition to its work with Siemens Gamesa, BMS Heavy Cranes is also supporting Vestas Taiwan Ltd. by overseeing internal logistics for blade transport at Vestas' local manufacturing facility. Using patented BMS transport equipment, the company ensures seamless movement of blades destined for the TPCII wind farm, which will consist of 31 V174 turbines with a capacity of 9.5 MW each. Pre-assembly services for TPCII will take place from late 2025 to February 2026, utilising a Liebherr LR11350 crane, a smaller support crane, and self-propelled modular transporters (SPMTs).

TWO PRESSURE CHAMBERS FOR THE NATIONAL HOSPITAL

RIGSHOSPITALET, THE NATIONAL HOSPITAL IN DENMARK, IS A HIGHLY SPECIALISED FACILITY THAT OFFERS INTERNATIONAL-LEVEL TREATMENT, RESEARCH, INNOVATION, AND TRAINING IN MOST MEDICAL SPECIALIST AREAS.

// CONSTRUCTION
// DENMARK

One of the hospital's specialities is pressure chamber treatment in connection with, among other things, decompression sickness, life-threatening infections, wound healing, carbon monoxide poisoning and treatment of radiation sequelae from cancer treatment.

After six years of preparation, including countless calculations of the existing building, followed by excavations and reinforcements in the hospital's basement, Rigshospitalet had two new pressure chambers installed. Not only did a fully operational hospital have to be considered, but also that the installation had to be performed in close proximity to the emergency room and trauma centre.

Due to the pressure chambers' dimensions of 13 by 4 metres and a total weight of about 130 tonnes (the largest of them 72 tonnes), BMS had to devise a unique solution: a combination of lifting, skidding, and rigging with a 300-tonne mobile crane, 80-metre skidding tracks, support towers, and 1,000-tonnes hydraulic towers.

In the initial phase, the underground was prepared with pilings beneath crane outriggers and the skidding tracks, as it was necessary to ensure the loading distribution to the top of the basement's concrete columns. Phase two required preparations of the entire pit with pilings for both tower and skidding ground loads. The actual lowering of the chambers was performed with just enough space to avoid collision with existing structures. Finally, in the third phase, skidding of the chambers inside the main building was performed with an absolute minimum clearance height.

Rigshospitalet was established in 1757 as Denmark's first real hospital, treating impoverished patients in Copenhagen free of charge. By 1910, the hospital was handed over to the state, and since then, it has been open to all citizens of the Danish Realm. Rigshospitalet has 1,040 beds and 1,130,000 outpatients, attended by 2,500 doctors and 4,100 nurses. In addition, it is a world-class research centre with 150 professors and 400 PhD students.

REMARKABLE GROWTH ACROSS NORTH AMERICA

ALTHOUGH HAVING BEEN ACTIVE IN THE U.S. SINCE 2016, IT WAS NOT UNTIL RECENTLY THAT BMS HEAVY CRANES INC. STRATEGICALLY LEVERAGED ITS MOST EXPERIENCED PERSONNEL IN ORDER TO DRIVE REMARKABLE GROWTH, EXPANDING THE FLEET FROM THREE TO 23 CRANES ACROSS NORTH AMERICA OVER THE PAST 18 MONTHS.

// WIND & CONSTRUCTION // USA & CANADA

BMS Heavy Cranes has solidified its reputation as a trusted partner in renewable energy, specialising in wind turbine maintenance. This expertise has fostered the development of a highly varied fleet, ranging from the adaptable Liebherr LTM 1100 mobile crane to the powerful Liebherr LR 11350 crawler crane.

Aside from its primary focus on wind energy, BMS Heavy Cranes has diversified into general construction work, particularly in and around Dallas, Texas. This approach has proven to be invaluable in terms of maintaining high crane utilisation rates during quiet periods in the wind sector.

Moreover, the company's early involvement in the new U.S. offshore wind industry has established BMS Heavy Cranes as a trailblazer, laying a strong foundation for long-term growth. A crucial factor in this success has been a dedication to building and maintaining strong relationships with clients and partners, whose trust and collaboration have been instrumental.

Since entering Canada two years ago, BMS Heavy Cranes has established a strong presence in Alberta. It all began with a phone call that sent the company and a Liebherr LG1750 lattice boom mobile crane on the road from Texas to Canada. The first project, Grizzly Bear Creek Wind Farm in Alberta, began just before winter arrived. From those snowy beginnings, the Canadian journey has been nothing short of remarkable: The company have successfully completed three additional wind projects, each presenting unique challenges – especially in the face of Alberta's snowy and cold weather.

A key factor in the success has been the strong relationships with BMS Heavy Cranes' Canadian partners, as they have helped adapt to the unique demands of the region. From project planning to logistics and on-site execution, the partners have provided invaluable support, enabling BMS Heavy Cranes to deliver exceptional results. BMS Heavy Cranes is committed to developing these relationships even further, fostering collaboration, and contributing to the growth and sustainability of Alberta's infrastructure and renewable energy sectors.

Additionally, a talented and experienced Canadian crew has bolstered the BMS Heavy Cranes team. Their deep knowledge of the industry and an intimate understanding of local conditions have helped to navigate complex challenges safely with confidence and efficiency.

A WIDE RANGE OF TRANSPORT SERVICES FOR DIVERSE CUSTOMERS

SINCE 2016, TORBEN RAFN A/S HAS BEEN PART OF THE BMS GROUP. THE COMPANY IS RENOWNED FOR TRANSPORTING HEAVY HAULAGE, INCLUDING COMPONENTS FOR THE WIND INDUSTRY. HOWEVER, WITH OVER 20 TRACTOR UNITS, A WIDE RANGE OF TRAILERS IN DIFFERENT SIZES, AND MODULAR TRAILERS FOR HEAVY HAULAGE, TORBEN RAFN ADDRESSES TRANSPORT TASKS FOR BOTH SMALL AND LARGE CUSTOMERS.

// TRANSPORT
// DENMARK, THE NETHERLANDS

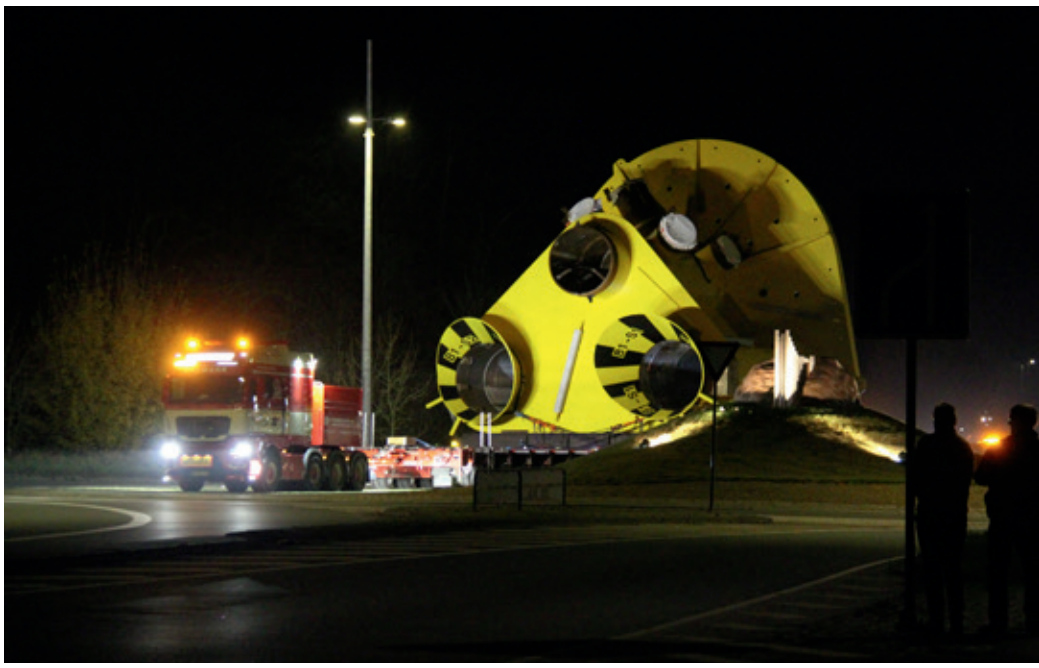
An excellent example of a complex task is transporting four pile clusters (measuring 15 x 12.25 x 12 metres and weighing 207 tonnes each) from the production site to shipment at the Port of Aabenraa.

As the cargo's centre of gravity was high, transport on a standard modular trailer would be rather unstable. Extra stability could be obtained by operating two modular trailers coupled side by side; however, the solution would be excessively heavy, preventing the authorities from approving the passage of a motorway bridge. Therefore, Torben Rafn opted for THP/SL split modular trailers and installed 1.2-metre spacers, resulting in a 60 per cent enhancement of the trailer's stability without significantly adding to its weight.

After extensive route preparations, the pile clusters were transported over four consecutive nights.

Another interesting task has been carried out for Nobian, the European leader in salt, essential chemicals, and energy storage. Here, the job involved transporting components with a diameter of more than 7.5 meters from the production site in Vlissingen, Netherlands, to the subsidiary Dansk Salt A/S in Mariager, Denmark.

Torben Rafn managed the entire process, from arranging transport from the production facility to the port of Vlissingen, sailing to Denmark, and transporting the components from the port to the Danish factory. This included the cranes for unloading at the factory



and internal transport to assemble the components.

Due to the dimensions, road transport from the Netherlands to Denmark was impossible, and therefore, the cargo was sailed to a port as close to Dansk Salt as possible. As the quay at the Danish port is not dimensioned for large mobile cranes, a ship with cranes was chosen, allowing it to lift the goods onto the quay.

The latest major assignment also involves transporting heat exchangers from the Netherlands to Scandinavia for the long-standing customer Rokkedal Energi, which specialises in sustainable energy solutions for agriculture and industry.

NATURE'S CHALLENGES ARE PART OF THE JOB

// WIND
// FINLAND

FINLAND IS OFTEN REFERRED TO AS THE "LAND OF A THOUSAND LAKES". HOWEVER, IN REALITY, THERE ARE MORE THAN 185,000 FINNISH LAKES WHEN COUNTED IN TOTAL. THE 64 TH LARGEST IS LAKE LESTIJÄRVI, A SITE WELL-KNOWN FOR FISHING FOR LARGE PERCH AND PIKE.

Soon, the area will also be known for something quite different, as a wind farm consisting of 69 Siemens Gamesa turbines (SG 6.6-170) located just south and southwest of the lake is currently under construction.

Lestijärvi in central Finland is characterised by cold winters, snow in the period from October to April, frequent dense cloud cover and short days with only 4.5 hours of daylight at the winter solstice. In combination, these conditions present a number of natural challenges when BMS Heavy Cranes Finland is installing the many turbines, but so far, everything has gone according to plan.
BMS Heavy Cranes Finland has a total of 12 cranes on site, including three Liebherr LR1800 crawler cranes and one Liebherr LG1750

The Lestijärvi Wind Farm is being developed in an area spanning approximately 11,000ha, primarily consisting of drained, forested marshland.

lattice boom mobile crane. Assist cranes, trucks, trailers, and self-propelled modular transporters (SPMTs) are also part of the significant amount of equipment that will be used to install the turbines. In total, there are about 60 people from BMS Heavy Cranes Finland associated with the project.

The construction of the Lestijärvi Wind Farm started in November 2021; BMS Heavy Cranes Finland arrived in June 2024, and the company expects to finish the job in May 2025. Upon commissioning, the 455MW Lestijärvi Wind Farm will be the largest in Finland by installed capacity. It is expected to produce more than 1.3TWh of green power annually, which is enough to meet the needs of approximately 280,000 homes and is equivalent to a couple of per cent of Finland's total energy production.

SECURE FOUNDATION FOR THE ENERGY GRID

IN SEVERAL PLACES, THE DANISH ELECTRICITY GRID HAS REACHED ITS MAXIMUM LIMIT. UNTIL HIGH-VOLTAGE STATIONS AND CONNECTIONS ARE EXPANDED, THERE WILL BE NO ROOM FOR MORE WIND AND SOLAR POWER.

// STEEL PLATES
// DENMARK

At the same time, ambitious national and international climate goals mean that the Danish energy system is facing enormous changes: Much more green electricity and gas, and most likely, the development of a hydrogen and Power-to-X industry with green alternatives to liquid fossil fuels.

As one of Denmark's largest suppliers of steel plates, BMS's equipment is central to the continued expansion of the Danish energy grid.

In just a few years, steel plate activities have grown at rocket speed, partly due to assignments for Energinet, the Danish Transmission System Operator. Today, BMS has more than 100,000 of its own steel plates and handles over 70,000 of Energinet's plates. Currently, Energinet is expanding the supply network on the Danish west coast. In this connection, more than 42,500 BMS plates and approximately 50,000 Energinet plates are in operation until the beginning of 2026. Things are also moving fast at the other end of the country, as BMS will handle around 40,000 steel plates related to Energinet projects until 2027.

Part of the work involves removing 150 kV overhead lines, replacing them with cables in the ground, and erecting masts with new 400 kV overhead lines.

Recently, BMS has expanded its fleet of steel plate trucks with an additional 21 vehicles, all of which can be controlled remotely. This means that the driver does not have to constantly jump in and out of the truck, providing a better working environment and a faster workflow for customers.

Furthermore, BMS has invested in a steel plate cleaner and purchased a roller for straightening crooked steel plates.

Energinet is an independent public company under the Danish Ministry of Climate, Energy and Utilities. As the Danish TSO (Transmission System Operator), Energinet owns, operates, and develops the backbone of the country's energy supply: the transmission networks, which are the main networks for electricity, gas, and hydrogen. Energinet works

WIND OF CHANGE

// WIND
// ESTONIA

ESTONIA IS UNDERGOING A MAJOR TRANSITION TO RENEWABLE ENERGY. ONCE HEAVILY RELIANT ON CARBON-INTENSIVE OIL SHALE, THE NORTHERNMOST OF THE BALTIC COUNTRIES IS NOW RAPIDLY SHIFTING TOWARDS CLEANER ALTERNATIVES – AND BMS HEAVY CRANES IS PROUD TO BE A PART OF THIS JOURNEY.

Near the village of Tootsi, some 130 kilometres south of the Estonian capital Tallinn, a renewable energy area called Sopi-Tootsi is being built. On the site of an old peat field, this area will soon host 38 Nordex wind turbines and a solar power plant producing 750 gWh of electricity, which is enough to cover approximately one-tenth of Estonia's current electricity demand.

Personnel and equipment from BMS Heavy Cranes Finland were working at the site from April to September 2024, erecting wind turbines with a hub height of 160 metres and with blades of 80 metres and 27 tonnes each.

For the preinstallation, BMS Heavy Cranes Finland used a Liebherr LG1750 lattice boom mobile crane, while the installation was carried out using a Liebherr LR1800 crawler crane as well as a Liebherr LR1750 and a number of assist cranes, trucks, trailers and self-propelled modular transporters (SPMTs).

Despite a few unforeseen challenges, the project went well, and BMS Heavy Cranes Finland completed the job six weeks ahead of schedule.

The Sopi-Tootsi renewable energy area is the most powerful renewable energy project in the Baltics, and the wind power part of the project is Estonia's largest onshore wind farm to date.

The Sopi-Tootsi project began in 2012, following the closure of a peat mine. Local officials and Enefit Green – one of the leading renewable energy companies in the Baltic Sea region with operations in Estonia, Latvia, Lithuania, Poland, and Finland – saw this as an opportunity to repurpose the area for renewable energy.

THE BRIDGE IS UP – AND DOWN AGAIN

// INFRASTRUCTURE // DENMARK

FOLLOWING DENMARK'S DEFEAT IN THE WAR AGAINST PRUSSIA AND AUSTRIA IN 1864, A SIGNIFICANT PART OF THE COUNTRY FELL INTO FOREIGN HANDS. CONSEQUENTLY, A NEW DANISH-GERMAN BORDER WAS DRAWN, AND AS A SMALL ROAD BRIDGE WAS BUILT OVER THE WATERCOURSE GELS Å IN 1882, IT BECAME PART OF THE DEMARCATION.

The Gels Bridge, which today is covered by Danish conservation regulations, was renovated in 1943. Recently, the time had come again to secure the bridge for the future, so the forging, welding and assembly company JTN Stål ApS requested BMS Kolding to assist with the lifting. A Liebherr LTM1250 mobile crane was chosen to carry out the operation so that the bridge could be safely placed in a parking lot where the renovation work would take place.

The lift itself was not particularly complicated, but it was challenging to perform in a nature conservation area, where the crane had to be kept within a certain distance from the road and grass edges.

After sandblasting for rust coating, identification of damages, repair work and painting, the bridge was brought back to its usual place. This part of the operation was carried out with a Liebherr LTM1500 mobile crane.

After the referendum on the demarcation of the border at the end of the First World War, the area around the bridge once again became part of the kingdom. Therefore, Gelsbro is today located in Denmark.

From 1864 to 1920, Gelsbro served as a border crossing point and an important customs office. Staff on both sides of the border monitored and controlled border passages, among other things, to prevent smuggling and illegal crossings. During the First World War, the border at Gelsbro was a central point for deserters and others who wanted to escape German war service. At times, local residents were allowed to import certain goods – but only on Wednesdays and Saturdays.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PERMANENT CRANE SUPPLIER FOR ASSIGNMENTS IN SWEDEN

TO THOSE FAMILIAR WITH THE SWEDISH ROYAL FAMILY, THE NAME CARL GUSTAV LIKELY BRINGS TO MIND THE CURRENT MONARCH, WHO HAS SERVED AS SWEDEN'S OFFICIAL HEAD OF STATE SINCE 1973.

// CONSTRUCTION // SWEDEN

However, the name of the Swedish company CarlGustav Solutions is not connected to royalty. Instead, it derives from its founders, Carl-Johan Sahlström and Gustav Berglund.

Since its establishment in 2011, CarlGustav Solutions has completed over 350 projects – and since the spring of 2024, the BMS Group has been the company's permanent crane supplier for assignments in Sweden.

CarlGustav Solutions is an independent supplier of prefabricated structures operating in Sweden and Norway. Thanks to the collective expertise and experience of its staff, CarlGustav Solutions develops, delivers, and assembles structures in steel, concrete, and wood, regardless of size or complexity.

Among the projects that the BMS Group has been involved in are:

:: The saw and planning mill Moelven Edanesågen AB – among other things construction of timber sorting, X-ray measuring system and timber intake (Liebherr LTM-1130.5 and Grove GMK5250L mobile cranes)

:: Sannerudshemmet homes for the elderly in Kil (Liebherr LTM 1250-5.1 mobile crane)

:: The paper producer Nordic Paper's largest plant in Bäckhammar – construction of new switchgear, electric filter and dry cleaning (Liebherr LR1250, Grove GMK 5250L, Liebherr LTM 1130-5.2, Liebherr MK88 and Liebherr LTM1230-5.2)

:: The nursing homes Spannremmen in Kumla (Grove 5250L and Liebherr LTM 1130-5.2)

:: The electronics manufacturer Note's new site in Torsby (Spiering SK1265-AT6 mobile tower crane)

CarlGustav Solutions emphasises a flexible approach to projects, through which it creates sustainable and efficient prefabricated structures. As an independent supplier, the company offers tailored solutions to meet the specific needs of each project – and it is in connection with the installation of these prefabricated structures that the BMS Group has the opportunity to play a central role.

So far, CarlGustav Solutions has offices in the Swedish cities of Karlstad, Torsby, Gothenburg and Stockholm, as well as in Kongsvinger in Norway.


BMS
Sernekz

THRIVING IN CHALLENGING ENVIRONMENTS

SITUATED AT THE SOUTHERNMOST TIP OF AFRICA, THE WOLF WIND FARM IS A REMARKABLE EXPERIENCE AND A TESTAMENT TO WHAT BMS HEAVY CRANES SOUTH AFRICA (PTY) LTD CAN ACCOMPLISH AS A TEAM, EVEN WHEN FACED WITH CHALLENGES.

Wolf Wind Farm is an 84MW onshore wind power project, which is supplied with wind turbines from Vestas Wind Systems A/S.

BMS Heavy Cranes South Africa uses a Liebherr LR 1600/2-W Crawler Crane as its main crane, while the local partner Cleveland Crane Hire from Johannesburg provides assist cranes (a Liebherr LTM 1200 mobile crane and a Tadano AFT 220G-5 all-terrain crane).

// WIND
// SOUTH AFRICA

The setting couldn't be more picturesque. Nestled on a mountain over 1,000 metres above sea level, the view from the top is breathtaking. On clear days, the sprawling landscape stretches as far as the eye can see, serving as a constant reminder of the reason to be here: harnessing the power of nature and delivering clean energy.

Working in South Africa is both rewarding and unpredictable. One moment brings clear skies and warm temperatures, while the next is hit with sudden drops in temperature, strong winds, or unexpected rain. These shifting weather conditions are common here, particularly on high mountain ranges, and they have occasionally brought work to a halt. After heavy rains early in the project, the site had to be closed for safety reasons, but the team adapted quickly and got things back on track without missing a beat.

Nature has contributed a few other surprises. For instance, local baboons have been particularly mischievous, often throwing stones onto the roads and creating obstacles that no one could have anticipated. It's all part of the adventure of working in Africa, and it has been a reminder to approach every day with flexibility, problem-solving, and a good sense of humour.

From the start, the project has been central to including and uplifting the local community. BMS Heavy Cranes South Africa has prioritised employing local workers wherever possible, creating job opportunities and helping build strong relationships with the community. Rather than bringing in specialised skills from outside, BMS Heavy Cranes South Africa trains local team members to meet the project's requirements. This investment in training and development doesn't just help complete the project successfully – it also leaves a lasting impact, as these individuals will carry their newfound skills with them.

Each milestone BMS Heavy Cranes South Africa has reached is a testament to the hard work of every person on the ground – from the engineers and crane operators to the support staff and local workers. Working on this project has been a humbling experience for all those involved. The combination of South Africa's natural beauty and the challenges faced has made this journey one to remember. While it has not always been easy, it has provided living proof that BMS Heavy Cranes South Africa thrives in challenging environments.

HAULING THE GIANTS

// WIND // DENMARK

Measuring nearly 100 metres in length, around 10 metres in diameter, and weighing over 1,200 tonnes, the 40 XXL monopiles manufactured by CS WIND Offshore A/S for Ørsted's Borkum Riffgrund 3 offshore wind farm are among the largest monopiles to date.

Since the commencement of production, BMS A/S has supported CS WIND Offshore with the internal transportation of plates and sections for monopiles, as well as the transport of finished monopiles, facilitated by an increasingly extensive fleet of self-propelled modular transporters (SPMTs).

The 40 monopiles for Borkum Riffgrund 3 are of the TP-less monopile type. Traditionally, offshore wind turbine foundations have been built as a two-part construction consisting of a monopile (MP) and a transition piece (TP). The TP serves as a

As a leader in clean energy, CS WIND Offshore's mission is to provide renewable energy to improve people's lives worldwide.

With an installed capacity of 913 MW, Ørsted's Borkum Riffgrund 3 will provide clean energy to 900,000 households, making it Germany's largest offshore wind farm as of today. As Borkum Riffgrund 3 is built without an offshore substation, the wind turbines will be directly connected via 66 kV cables to the DolWin epsilon offshore converter platform operated by the German transmission system operator TenneT.

transition to the bottom of the wind turbine's tower and is with a boat landing, ladders, and a small hoist, enabling access to the wind turbine for service and repairs. A TP-less monopile integrates the TP into the MP, which is why the assembly part of the work has been relocated to land. As it makes the MP correspondingly heavier, the SPMTs are particularly suitable since you can add more axle lines as the weight of the goods increases. For internal transport, 48 axle lines were utilised.

To top it off, BMS A/S has also been responsible for the loading out of the 40 monopiles. In sets of three, they were loaded onto a barge at Lindø/Port of Odense in Denmark, after which they were sailed to Eemshaven seaport in the northernmost part of the Netherlands for final shipment and installation. The load-out was conducted using 54 axle lines of the newly acquired SPMTs from TII Scheuerle.

LANDMARK ACHIEVEMENTS IN SCOTLAND

2024 WAS A DEFINING YEAR FOR BMS HEAVY CRANES UK LTD., MARKED BY THE SUCCESSFUL COMPLETION OF MAJOR WIND FARMS. AS THESE EXAMPLES DEMONSTRATE, THE TEAM HAS SOLIDIFIED ITS POSITION AS A LEADER IN CRANE AND INSTALLATION SERVICES FOR THE RENEWABLE ENERGY SECTOR.

// WIND
// SCOTLAND

Broken Cross Wind Farm is a testament to sustainable transformation, repurposing land once dedicated to coal mining into a beacon of renewable energy. Completed with a Liebherr LTM 1750 mobile crane for pre-installation and a Liebherr LG 1750 lattice boom mobile crane for the main installation, the project involved the assembly of nine Nordex N133 turbines with a total installed capacity of 43.2 MW (enough electricity to power approximately 36,900 homes annually).

In the scenic region of Dumfries and Galloway, **Benbrack Wind Farm** showcased BMS Heavy Cranes UK's capabilities with the LTM 1750 and LG 1750 cranes. Partnering with Vestas Wind Systems, the company played a pivotal role in constructing 15 turbines (V136 82mm) with a nominal power of 67.1 MW.

North Kyle Wind Farm is an ambitious project featuring 49 turbines near Dalmellington, East Ayrshire, on a site once marred by coal mining. It is currently the largest onshore wind farm under construction in the UK, with a total installed capacity of 220 MW. BMS Heavy Cranes UK's involvement in this project, set for completion in 2025, encompasses offloading top towers and blades, pre-installation, and main installation using dual crane lines (LTM 1750 and LG 1750).

The repowering of **HagShaw Hill Wind Farm** – Scotland's first commercial wind farm, constructed in 1995 – has been executed in collaboration with Nordex. Using LTM 1750 for pre-installation and LG 1750 for main installation, the project involved 14 N149 and five TS125 turbines.

Situated south of Reay in the Highlands of Scotland, **Limekiln Wind Farm** features 24 Vestas V136-4.5MW turbines. BMS Heavy Cranes UK's team managed offloading top towers and blades, pre-installation, and main installation with two LG 1750 crane lines. These turbines will generate enough electricity to meet the annual demand of around 40,200 households, displacing at least 65,000 tonnes of CO2 emissions annually

In 2025, significant projects will enhance BMS Heavy Cranes UK's role in the renewable energy landscape. Among these are Cumberhead West Wind Farm (20 Nordex N149 turbines), Crystal Rig Wind Farm (11 Vestas V136 turbines) and Whitelaw Brae Wind Farm (14 Vestas V117 turbines).

ALL CRANES, GATHER UP

// INDUSTRY // DENMARK

CRANES ARE VITAL ASSETS AT A PORT, AS THEY LIFT HEAVY CARGO OVER THE QUAY TO ENSURE IT REACHES ITS DESTINATION.

With thousands of annual lifts and a location in a saltwater-affected environment, the cranes at the Port of Aarhus require thorough inspections. For example, during the summer of 2024, a significant renovation project was carried out on one of the bulk cranes at the port.The large structure had to be dismantled to allow access for the renovation of the slewing ring, located at the centre of the crane. Several potential solutions were considered, and it was decided to remove the top of the crane.

Due to the crane's considerable weight of 460 tonnes, the method of lifting it and limited space, it was necessary to employ three

The Port of Aarhus emerged from the river in 1845. Much has changed since then. Today, it is Denmark's largest commercial port. In 2023, almost 7,000 ships visited the port, and more than 10 million tonnes of goods were handled on the docks. Approximately 200 companies operate within the port area, generating over 17,000 jobs across Denmark. According to the Confederation of Danish Industry, up to 10 per cent of the value of Danish foreign trade passes through the Port of Aarhus.

large cranes for tasks: A Liebherr LTM 1500-8.1 mobile crane, a Liebherr LTM 1750-9.1 mobile crane and a Liebherr LR 11350 crawler crane. The initial two units were sourced from BMS Krangården, whereas BMS Heavy Cranes supplied the 1,350-tonne crawler crane.

After the demanding task of rigging all three cranes, the crew carefully lifted the upper part of the harbour crane. Next, another harbour crane removed the undercarriage along the quayside. The upper part was then lowered to the ground, where it remained throughout the night while the slewing ring was replaced.

Since there was no unexpected damage to the crane, the upper part could be lifted again already the following morning. Finally, the undercarriage was pushed back into place, and the two parts came together once again, displaying high precision.

IT WILL NEVER BE "THE SAME SAME"

Poland is not only focusing on onshore wind: According to the "Energy Policy of Poland until 2040" (EPP2040) published by the Ministry of Climate and Environment, the installed capacity of offshore wind energy is expected to reach approximately 5.9 GW in 2030 and up to 11 GW in 2040.

// WIND
// POLAND

IN 2023, WIND ENERGY COVERED 13 PERCENT OF POLAND'S ELECTRICITY CONSUMPTION, AND THE COUNTRY HAS AMBITIOUS PLANS TO EXPAND ITS WIND ENERGY CAPACITY: THE MINISTRY OF CLIMATE AND ENVIRONMENT ASSUMES THAT UP TO 20 GW OF ONSHORE WIND POWER WILL BE INSTALLED WITHIN THE NEXT 15 YEARS.

The steadily increasing focus on wind energy is clearly felt at BMS Heavy Cranes Poland Sp. Z.o.o, as the company has completed extensive work on three Polish wind farms in the past year: Nozdrzec, Pelplin and Przyrów.

There is significant competition in the market, but thanks to excellent communication throughout the organisation and well-executed work on the sites, the Polish part of BMS Heavy Cranes has proven to be an efficient part of the operations. The three Polish projects have once again made it clear that no two working days are identical, and that work will never be "the same same".

At the Nozdrzec Wind Farm – a 48MW project approximately 165 km east of Krakow – 16 Nordex turbines have been erected. The challenges here have been mountainous terrain, special bypasses, and heavy equipment transport through small local towns.

At the Pelplin Wind Farm, a continuation of Pelplin 1, existing power lines that could not be dismantled have been a particular challenge. In addition, the task had to be carried out under time pressure in order to affect the local community as little as possible. Pelplin was executed under Siemens Gamesa Renewable Energy for the principal contractor Radan Nordwind (part of the Greenvolt Power Group) with 83.2MW located 60 km south of Gdansk.

Finally, there are the 14 Nordex turbines in the 50 MW Przyrów Wind Park, located 85 km northwest of Krakow. In addition to the usual conditions associated with the erection of many wind turbines, a high-speed railway line running through the equipment relocation area had to be considered. This, too, required precise logistical coordination.

FIRST COMMERCIAL SCALE OFFSHORE WIND FARM PROJECT

// WIND
// SOUTH KOREA

IN MARCH 2024, BMS HEAVY CRANES STARTED MOBILISING MANPOWER AND EQUIPMENT AT THE MOKPO NEW PORT IN SOUTH KOREA. THE COMPANY WAS CONTRACTED TO SUPPORT SIEMENS GAMESA RENEWABLE ENERGY WITH CRANE AND PORT HANDLING SERVICES FOR THE JOANNAM WIND FARM, WHICH CONSISTS OF 10 SIEMENS GAMESA SG 11.0-200 DD 10MW WIND TURBINES.

Experienced BMS Project Managers, Site Managers, Crane Supervisors, and SPMT Supervisors from overseas relocated to South Korea to support the project. The team first overcame the challenges of entering a new country, such as a new culture, new suppliers, and compliance with local rules and regulations. Also, the team had extensive discussions with Mokpo New Port, Siemens Gamesa, and local suppliers in order to support the set-up and smooth execution of the project.

The scope defined for BMS was to provide crane and lifting, transport and storage services for the incoming wind turbine components from the delivery vessels. The same equipment was then used to build the wind turbine towers and transport the nacelle and blades to the final location to support the loading of the components onto the installation vessel.

BMS worked with Siemens Gamesa's Engineering Team to design the crane track for the

The project scope for BMS Heavy Cranes was completed in December 2024, and the site's demobilisation was finalised in January 2025.

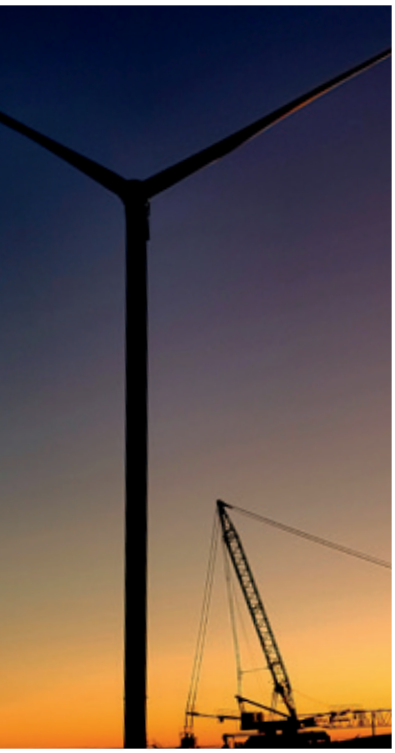
Securing this first project in South Korea allowed BMS Heavy Cranes to establish a business entity, extending its services to original equipment manufacturers and project developers in Asia.

load-out and pre-assembly scope, while a local contractor built the track under BMS's supervision.

The main equipment used to support this scope was a Terex Demag CC8800 (1600t) crawler crane and a Manitowoc 16000 (400t) crawler crane for the lifting activity, as well as 24 axle lines of self-propelled modular transporters (SPMTs) for the transport scope. On site, a range of support equipment was involved, such as a 100-tonne port crane, forklifts, and container lifts. As Siemens Gamesa's local partner, BMS Heavy Cranes prepared local manpower to support the project. A translator was incorporated to ensure that dialogue with the BMS Site Team and the local manpower was executed per BMS operational and safety standards. This included continuous training and supervision throughout the project.

The BMS Site Team had prepared all the site, equipment and local staff to receive the first components within the timeline required to support offloading the first delivery vessels. The components were then stored and prepared for loading the installation vessel once the installation of the foundations was completed.

The project scope for BMS Heavy Cranes was completed in December 2024, and the site's demobilisation was finalised in January 2025.



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// **BMS Heavy Cranes A/S,** Denmark, HQ: Nørresundby
// **Torben Rafn A/S,** Denmark, HQ: Sommersted
// **Skaks A/S,** Denmark, HQ: Rødekro
// **Crane Norway Group AS**, Norway, HQ: Stavanger
// **Havator AB,** Sweden, HQ: Luleå
// **BMS Heavy Cranes Oy**, Finland, HQ: Ulvila
// **Havator Oy,** Finland, HQ: Espoo
// **BMS Heavy Cranes, UK Ltd.**, United Kingdom, HQ: Huntingdon
// **BMS Lifting Ltd,** United Kingdom , HQ: Brough
// **BMS Heavy Cranes Ltd.,** Ireland HQ: Dublin
// **BMS Krane GmbH**, Germany, HQ: Harrislee
// **Jalo BMS GmbH,** Germany, HQ: Flensburg
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// **BMS Heavy Cranes Ltd,** Canada, HQ: Alberta
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