

BAYARDS®
helidecks Ⓜ *helipads*



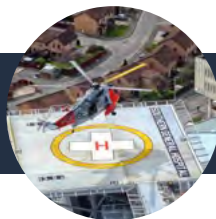
SUSTAINABLE HELIDECKS FOR OFFSHORE AND CIVIL APPLICATIONS

Where quality, safety, and every second counts



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INTRODUCTION TO THE BAYARDS GROUP

Since 1963, Bayards has been at the forefront of aluminium innovation, offering bespoke, lightweight, and durable solutions across diverse industries. From high-speed trains to aerospace applications, aluminium's remarkable properties make it ideal for crafting sustainable, low-maintenance structures. Bayards' expertise lies in harnessing the full potential of this material to design, engineer, manufacture, and install world-class solutions.

At Bayards, we deliver cutting-edge aluminium solutions that meet tomorrow's sustainability standards. With over 60 years of craftsmanship, innovation, and dedication to quality, we continue to push the boundaries of what's possible.

Operating worldwide, Bayards Group has strategically located offices and production facilities in the Netherlands, ensuring seamless global collaboration with clients across industries. Our three production facilities are equipped with state-of-the-art technology, allowing us to take on complex projects precisely and efficiently.





BAYARDS[®]
yacht structures

LUXURY YACHT EXCELLENCE

Dutch super yacht building stands as a pinnacle of unrivalled quality, revered worldwide. Crafting luxury yachts and high-speed vessels demands more than just skill—it requires a symphony of experience and expertise. For years, Bayards has earned acclaim among the foremost luxury yacht builders, showcasing unparalleled craftsmanship and dedication.

At Bayards, we recognize the unique qualities of aluminium and its pivotal role in meeting the demanding aesthetic standards of luxury and high-speed yacht construction. We understand that in this realm, every ounce matters—the lighter the vessel, the swifter it sails.

What truly sets Bayards apart is our proactive approach to design and engineering. We seamlessly integrate our expertise into every phase of the process, ensuring that each yacht meets and exceeds expectations. Thanks to the seamless collaboration between our engineering and production departments, design changes are effortlessly incorporated, guaranteeing a smooth and efficient journey from concept to completion.

Experience the epitome of luxury yacht excellence with Bayards, where innovation meets tradition, and every detail is meticulously crafted to perfection.



BAYARDS®
vertiport solutions

ELEVATING URBAN MOBILITY TO NEW HEIGHTS

Imagine seamless urban air travel, accessible at any altitude, at any time, across the globe. With Bayards Vertiports, this vision becomes reality. As pioneers in rooftop infrastructure for Advanced Air Mobility (AAM), we specialize in crafting bespoke aluminium vertiports that redefine urban transportation dynamics.

The burgeoning eVTOL (electric vertical take-off and landing) market is experiencing unprecedented growth, with substantial investments driving innovation and development. Recognizing the critical need for specialized infrastructure, Bayards Vertiports is at the forefront of establishing a comprehensive network of landing sites to support this revolutionary technology.

In a strategic move to solidify its leadership, Bayards Vertiports has forged collaboration agreements with several leading drone manufacturers. This positions us uniquely to meet the imminent demand for operational infrastructure.

Currently, the market is navigating the complex process of obtaining certifications and permits essential for the airworthiness of eVTOL drones. Upon approval, there will be an urgent need to expedite the deployment of infrastructure to facilitate the operational deployment of these advanced aerial vehicles.

Bayards Vertiports is poised to meet this challenge, ensuring a seamless transition from regulatory approval to operational excellence.



YOUR PARTNER IN HELIDECK EXCELLENCE

Bayards UP, the dedicated service division within the Bayards Group, stands ready to support helideck owners worldwide with expertise and assistance for all helideck-related inquiries and challenges. Leveraging over 60 years of experience from Bayards Aluminium Constructies, we bring unparalleled knowledge and insight to every project.

Whether it's an existing or upcoming helideck, onshore or offshore, Bayards UP is your trusted partner, ensuring your helicopter landing platform is expertly maintained and fully compliant year-round. Our commitment to excellence shines through in every aspect of our service:

Expertise and Support

Our mission is clear: to ensure your helicopter landing platform remains compliant and operational at all times. From inspections and recurrent maintenance to upgrades and spare parts, Bayards UP delivers comprehensive solutions tailored to your needs. We adhere to the latest CAP437 / ICAO approved testing and inspection methods, with certified professionals and state-of-the-art equipment to guarantee optimal performance.

Global Reach and Flexibility

With a global network and a team of skilled individuals, Bayards UP is equipped to manage operations anywhere in the world. Our Service & Maintenance Supervisors bring theory into practice, supported by in-house expertise covering all disciplines—from friction blasting to rope access and everything in between. Whether it's supplying our own crew or collaborating with local teams, we ensure seamless execution and unmatched results.



BAYARDS®
aluminium solutions

EXPLORING ALUMINIUM'S INFINITE APPLICATIONS

Bayards Aluminium Solutions specializes in delivering advanced aluminium solutions across industries, including offshore, defense, and beyond. Renowned for lightweight, durable, and cost-effective structures, we offer custom-made containers certified to ISO, UIC-TIR, CSCS, and Lloyd's standards, for civil and military applications.

For the defence sector, we've showcased expertise by supplying over 450 aluminium chassis for cutting-edge all-terrain reconnaissance vehicles and delivering custom solutions such as decompression tanks, unmanned aircraft containers, radar bulkheads, and motorized bridges.

For the offshore industry, our corrosion-resistant aluminium structures address weight constraints and maintenance challenges. From living quarters and stair towers with integrated safety features to lightweight gangways and modular handrail systems, our solutions are designed for efficiency and safety.

We prioritize quality, safety, and sustainability, offering innovative solutions that meet the highest international standards. Partner with us to benefit from decades of expertise and cutting-edge technology.



BAYARDS HELIDECKS & HELIPADS

Bayards designs, engineers, and installs aluminium helidecks and helipads for medical and offshore industries. Our solutions are built on decades of experience, delivering safe, reliable, and maintenance-free landing platforms. Bayards' aluminium helipads symbolise innovation and safety, whether on top of a hospital or on an offshore platform.

Operating worldwide, Bayards Helidecks has offices and production facilities strategically located in the Netherlands and a global presence that ensures seamless collaboration with clients across industries. Our three production facilities are equipped with state-of-the-art technology, allowing us to take on complex projects precisely and efficiently.

With over 720 helidecks and helipads installed worldwide, Bayards is a trusted partner in the aviation industry. Our solutions are not only lightweight and maintenance-free but also tailored to meet the specific requirements of our clients. From offshore oil rigs to hospital rooftops, Bayards' expertise ensures safety, reliability, and compliance with the highest industry standards. Our innovations have set benchmarks, making Bayards synonymous with quality and excellence in helipad construction.

KING'S HELIPAD: SAVING LIVES EVERY SECOND

In critical moments where seconds make all the difference, King's College Hospital's helipad stands as a beacon of hope, operational 24/7. A vibrant scene unfolds from above, showcasing the helipad's bright yellow circle adorned with a red cross—an unmistakable signal for air ambulances. The London skyline provides a backdrop to this lifesaving platform, where time is of the essence. The helipad, perched atop the ten-story Ruskin Wing at King's College Hospital, became a reality in 2016.

This strategic location dramatically slashes the time it takes to transfer critically ill patients to King's, reducing the journey from landing to treatment to a mere five minutes. In contrast, the previous process, involving landings in nearby Ruskin Park and subsequent road transfers, could take up to 25 minutes. Now operational 24/7, the helipad ensures that patients in need of specialized trauma treatment and care in southeast London and Kent can be airlifted to King's in under 30 minutes, day or night.





OUR MISSION AND VISION

Our mission

At Bayards, our mission is clear: to be the most reliable partner in the design, engineering, manufacturing, and installation of helidecks and helipads that meet the highest safety and quality standards. Whether it's in the demanding offshore industry or critical hospital environments, we strive to deliver optimal, turnkey solutions tailored to each client's unique needs.

Our vision

Is to set the golden standard for helicopter accessibility around the world by making each second count.





ENGINEERING CAPABILITIES

At Bayards Helidecks, engineering is the heart of everything we do. With decades of experience in designing complex aluminium structures, our team of dedicated engineers specializes in developing tailored solutions for the most demanding environments. From hospital helipads to offshore helidecks, we utilize advanced software and innovative techniques to ensure every project meets the highest industry standards. Every project comes with unique challenges, whether it's the need for extreme durability in a saltwater environment or compliance with stringent medical safety regulations. Our engineering team works closely with clients to develop solutions that are not only functional but also sustainable, meeting the latest industry regulations such as CAP 437, ICAO, and NORSOK.

Bayards continually invests in the latest engineering software and technologies to stay at the forefront of innovation:

- Tekla and STAAD: These advanced platforms enable precise structural analysis and 3D modelling, ensuring that every component is optimized for strength, weight, and functionality
- CATIA V5 and Siemens Software: These tools allow our engineers to create highly detailed designs and streamline the production process, reducing lead times and improving accuracy

Bayards' engineers are experts in maximizing the benefits of aluminium. By leveraging aluminium's lightweight yet durable properties, we design structures that are up to 60% lighter than traditional materials like steel, without compromising strength. This is particularly valuable for applications where weight is a critical factor, such as rooftop hospital helipads and offshore oil platforms.



EQUINOR'S JOHAN CASTBERG FPSO HELIDECK

Bayards engineered, manufactured, and installed a cutting-edge aluminium helideck for Equinor's Johan Castberg Floating Production, Storage, and Offloading (FPSO) vessel, which is anchored in the Barents Sea. This massive offshore project is one of Norway's largest oil field developments, with an expected production capacity of 220,000 barrels per day.

Bayards' aluminium helideck, designed to withstand extreme Arctic conditions, provides a lightweight, corrosion-resistant platform for helicopter operations. The helideck enhances safety and efficiency, ensuring reliable access for personnel and supplies during the FPSO's 30-year operational lifespan. This project underscores Bayards' expertise in delivering robust offshore solutions for some of the world's harshest environments.



PROJECT MANAGEMENT

Bayards' project management team is committed to delivering projects that meet the highest standards of quality, safety, and efficiency. Whether working on a hospital rooftop helipad or a complex offshore helideck, our project managers ensure seamless execution from concept to completion.

From the initial design phase to installation, Bayards takes a comprehensive approach to project management. By integrating engineering, procurement, and construction (EPC) services under one roof, we provide our clients with a single point of contact for every phase of the project. This approach minimizes delays, reduces costs, and ensures that all teams are aligned with the project's objectives. Our project management team has decades of experience coordinating complex projects in industries where precision, timing, and safety are paramount.

We manage all aspects of the project, including:

- Feasibility Studies: Conducting in-depth analysis of the project's requirements and constraints to ensure the best solution is implemented.
- Procurement and Logistics: We ensure that all teams are aligned with the project's objectives.
- Installation and Commissioning: Managing on-site assembly and overseeing the installation of critical systems, such as firefighting equipment, lighting, and access systems.

With offices and partners worldwide, Bayards has the global reach and local expertise to manage projects in any location. Our team works across time zones, cultures, and industries to deliver projects on time and on budget, no matter where in the world they are located.





WHY AN ALUMINIUM HELIDECK & HELIPAD?

1. Lightweight for structural efficiency

- Hospital helipads: Aluminium is up to 60% lighter than steel, making it ideal for rooftop installations where structural load is a concern.
- Offshore helidecks: Lighter structures reduce the weight burden on platforms, vessels, and offshore substations, optimizing stability and fuel efficiency.

2. Corrosion resistance for long-term durability

- Hospital helipads: Unlike steel, aluminium doesn't rust, eliminating the need for frequent repainting and repairs.
- Offshore helidecks: Aluminium is naturally resistant to seawater and harsh marine conditions, ensuring a maintenance-free lifespan of 40+ years.

3. Fire safety & passive protection

- Both Applications: Aluminium helipads and helidecks can be equipped with Safedek™, a passive fire suppression system that enhances safety by draining fuel away from the surface.

4. Sustainability & environmental benefits

- 100% Recyclable: Aluminium is a sustainable material that can be fully recycled without losing its properties, aligning with green energy initiatives in offshore wind and eco-conscious hospital infrastructure.

5. Cost-effective & low maintenance

- Hospital helipads: Reduces long-term operational costs as aluminium doesn't require corrosion protection treatments.
- Offshore helidecks: Eliminates the need for extensive inspections and repairs, minimizing downtime.

By choosing aluminium, hospitals benefit from easy installation and long-term reliability, while offshore operators ensure maximum safety and efficiency in the harshest environments.



GRENOBLE

Discover the remarkable achievement of our company: a state-of-the-art 77m x 26m cantilevered helipad with dual parking areas, designed, engineered, manufactured, and installed for the prestigious CHU Grenoble Alpes. Ranked 10th among over 1,400 public hospitals in France, CHUGA soared to 45th place globally in clinical medicine in 2020, following the completion of our helipad. This institution also boasts the distinction of being the first university hospital in France to earn a global A-level accreditation from the French National Authority for Health (HAS).

Our helipad is not only equipped with advanced lighting and access systems but also features cutting-edge electrical heating systems. These ensure uninterrupted operation throughout the year, a crucial requirement given CHU Grenoble Alpes' unique strategic partnership with Médecins Sans Frontières. Our commitment to excellence and innovation ensures that CHU Grenoble Alpes can continue its vital work, whatever the season.



THE BENEFITS OF A BAYARDS SOLUTION

Over the past six decades, we have honed our expertise, harnessing the versatile and inherent qualities of aluminium. This proficiency has empowered us to successfully conceptualize, engineer, produce, and deploy over 700+ helicopter landing platforms worldwide. With an unparalleled standing in delivering cutting-edge assembly kits or turnkey helipads, Bayards stands as your premier partner for secure, efficient, and cost-effective helipad solutions.

The lightweight nature of aluminium allows us to craft helipads that are up to 50% lighter than their more common, high-maintenance steel counterparts, resulting in significant weight savings compared to concrete helipads. Our helipads boast the versatility to be installed on virtually any existing structure with minimal or no structural reinforcements required. Furthermore, their resilience to the urban environment ensures an exceptionally prolonged lifespan, eliminating the need for costly maintenance plans.

Experience the advantages of a Bayards solution.





THE POSSIBILITIES

No matter the client's requirements, we are always able to provide an innovative and cost-efficient helipad solutions. By working in close cooperation with the client and the architect, during the initial (feasibility) design phase, we are able to effortlessly incorporate all design requirements according the latest design standards, rules and regulations.

The aluminium helipad components are manufactured at Bayards' high tech production facilities and comprise:

- Planking
- Beam frames
- Support structures
- Safety netting
- Drainage gutters
- Ramps & walkways
- Handrailing
- Staircases

All of our helipads can be supplied and outfitted with a wide range of operational and support equipment, such as:

- Firefighting systems
- Lighting systems
- Winterization
- Cladding

Bayards provides unmatched flexibility in helipad design, enabling customization to suit diverse environments and needs:

- **Color-coded safety markings:** Enhance visibility and align with specific branding or regulatory standards.
- **Integrated heating systems:** Ensure operational efficiency in sub-zero climates by preventing ice build-up.
- **Custom support structures:** Adapt to various architectural styles, ensuring seamless integration with existing infrastructure.



ORSTED'S ECO EDISON: FIRST US-BUILT SOV

Bayards proudly contributed to the Ørsted and Edison Chouest Offshore (ECO) partnership by providing a state-of-the-art aluminium helideck for the ECO EDISON, the first-ever American-built offshore wind service operations vessel (SOV). This 262-foot vessel is designed to support Ørsted's offshore wind farms along the U.S. East Coast, including South Fork Wind, Revolution Wind, and Sunrise Wind. Bayards' lightweight, corrosion-resistant aluminium helideck offers significant benefits in terms of durability, low maintenance, and operational efficiency, particularly in harsh offshore environments.



Our helideck ensures that Ørsted's technicians can safely and efficiently access wind turbines, providing a critical platform for ongoing maintenance and operations. By utilising our signature aluminium solutions, Bayards helped Ørsted achieve a sustainable, cost-effective, and durable solution that aligns with their mission to expand clean energy while supporting American manufacturing. The ECO EDISON helideck also complies with stringent international safety standards, ensuring long-term reliability.



INSTALLATION

Installation of all helipad components, encompassing both operational and support equipment, is seamlessly executed through assembly kits, meticulously installed by our skilled assembly crew. Guided by a dedicated Bayards supervisor, this proficient team boasts a track record of successfully installing over 700+ helipads worldwide. Leveraging our extensive experience, we offer invaluable assistance in logistics, accessibility, and optimal positioning of the helipad. Committed to exceeding client expectations, we consistently go the extra mile, diligently monitoring the entire process from the initial concept to the tightening of the last bolt. Welcome to the pinnacle of helipad installation expertise - welcome to Bayards.



Compliance with international safety standards

Our firefighting solutions align with global aviation and offshore safety regulations, ensuring operational reliability and compliance with the latest industry standards.



FIREFIGHTING SYSTEMS

Key benefits of Bayards' firefighting solutions

Immediate fire suppression – our active and passive firefighting systems are designed to rapidly extinguish fires, minimizing potential damage and risk.

Safedeck™: Revolutionary passive firefighting system

- Automatic fire suppression – Safedeck™ eliminates the need for human intervention, ensuring instant response in critical situations.
- Fuel drainage & oxygen deprivation – reduces fire intensity by limiting fuel spread and cutting off the oxygen supply.
- Cooling effect – prevents re-ignition by rapidly lowering the temperature of the deck surface.

Active firefighting systems for enhanced protection

- Deck Integrated FireFighting System (DIFFS) – features pop-up nozzles and foam skids for quick and effective fire suppression.
- Customizable firefighting equipment – options include remote-controlled and self-oscillating foam monitor systems, fire extinguishers, rescue gear, and oil separators to meet specific safety requirements.

Types of Deck Integrated Firefighting Systems (DIFFS)

To meet the highest safety and environmental standards, Bayards offers two types of DIFFS solutions, ensuring flexibility and compliance with global regulations:

- Water-only DIFFS
 - Uses high-pressure water to cool the helideck surface and suppress fires.
 - Eco-friendly and PFAS-free, eliminating concerns related to chemical runoff.
 - Ideal for clients prioritizing sustainability and regulatory compliance.
- Non-PFAS foam DIFFS
 - Utilizes advanced, environmentally friendly foam that is free from PFAS chemicals.
 - Enhances fire suppression efficiency by creating a barrier between the fuel source and oxygen.
 - Ensures compliance with the latest environmental safety regulations while maintaining operational effectiveness.

BAYARDS HELIDECKS: INNOVATING FOR ONE-DYAS' N05-A PLATFORM

Bayards Helidecks proudly engineered and constructed a state-of-the-art 22-meter Safe deck helideck for One-Dyas' N05-A gas production platform, a pioneering project in the North Sea. This advanced helideck, equipped with an integrated Deck Integrated Fire Fighting System (DIFFS), showcases Bayards' commitment to safety, sustainability, and operational excellence in offshore environments. As the first offshore gas production platform in the Dutch North Sea powered entirely by renewable energy, the N05-A project represents a significant step toward sustainable energy solutions.



Bayards' aluminium helideck aligns perfectly with this vision, offering a lightweight, corrosion-resistant structure that reduces overall platform weight while delivering superior durability and minimal maintenance requirements.

The inclusion of DIFFS enhances safety by providing rapid fire suppression, crucial in high-risk offshore operations. Designed to meet stringent regulatory standards, Bayards' helideck ensures optimal helicopter accessibility, supporting critical logistical and operational needs for the platform.





LIGHTING SYSTEMS

We prioritize safety and compliance with national and international regulations through advanced lighting systems. The inclusion of various components, each designed to meet specific standards, indicates a comprehensive approach to helipad lighting. Here's an overview of the key features mentioned:

- **Perimeter lights:** These lights are crucial for outlining the helipad area, ensuring clear visibility of the landing area boundaries.
- **Heliport beacons:** These beacons serve as a prominent visual indicator for the presence of a helipad, aiding pilots in locating the landing site.
- **Floodlights:** These provide broad and uniform illumination, enhancing visibility on the helipad surface.
- **Obstruction lights:** Important for marking any potential obstacles in the vicinity, ensuring safe helicopter operations.
- **Circle-H lighting systems:** Specifically designed lighting configurations that guide pilots during approach and landing procedures.
- **Path indicators (GPI, HAPI):** These indicators assist pilots in maintaining the correct glide path during descent for a safe landing.
- **Illuminated windsocks:** Windsocks provide essential information about wind direction and strength, aiding pilots in making informed landing decisions.
- **Walkway lighting:** Ensures safe movement for personnel on the helipad, especially during nighttime operations.
- **Approach lights:** These lights assist pilots in aligning their approach to the helipad, enhancing precision during landing.
- **Remote controllers:** Remote control capabilities allow for efficient management and adjustment of the lighting system as needed.



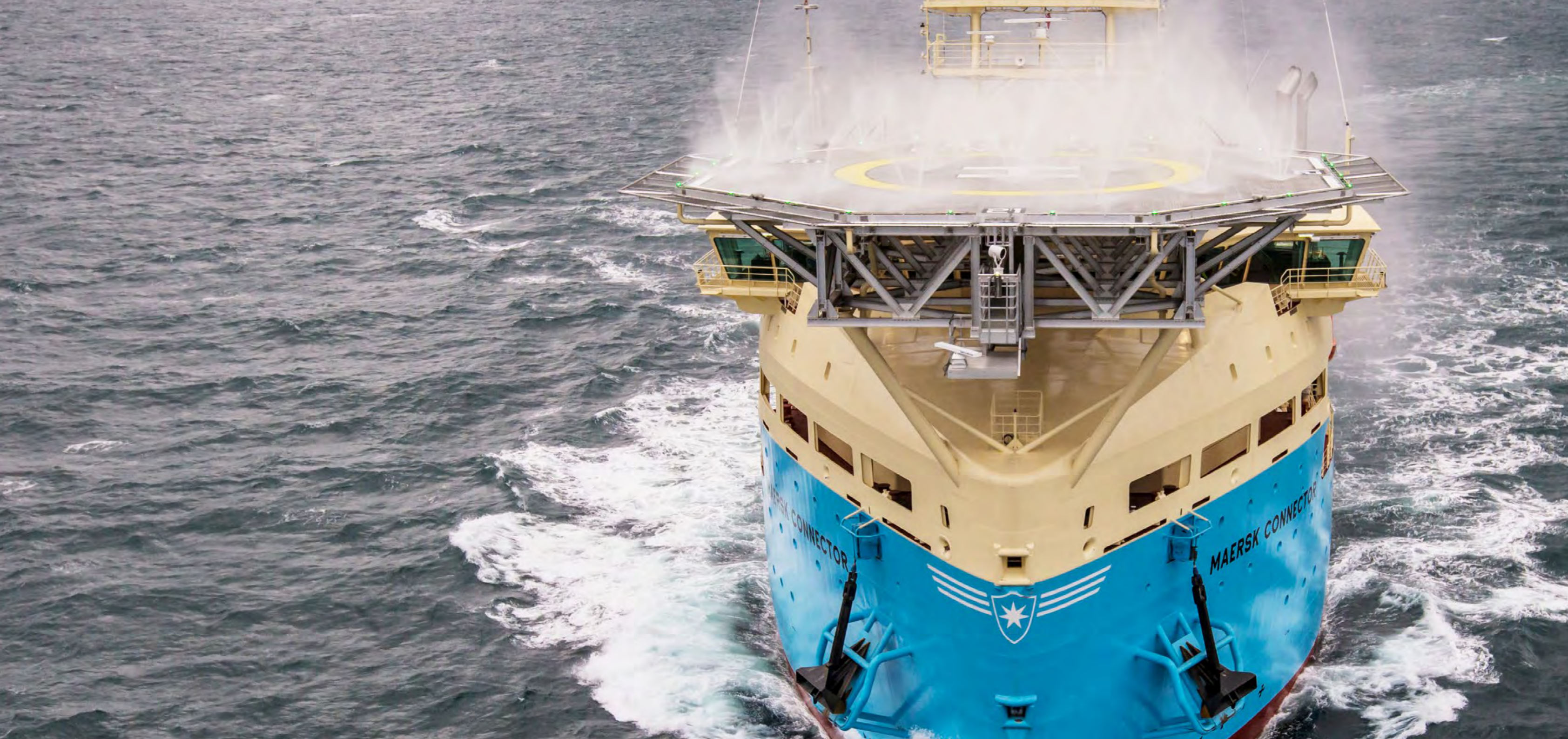


WINTERISATION

Ensuring continuous operational readiness throughout the year is paramount for helipads, demanding effective winterization solutions. Given the critical need to keep the landing surface, including access/exit routes, free from snow and ice, Bayards has innovatively crafted three distinct helipad winterization systems. Leveraging the exceptional heat transfer properties of its aluminium deck profiles, these systems are designed for both operational efficiency and safety. The winterization options include:

- Electrical heating with self-regulating cables
- Hot water/glycol heat tracing
- Residual hot air heat tracing

These sophisticated solutions underscore Bayards' commitment to addressing the unique challenges posed by diverse weather conditions, ensuring that helipads remain fully operational and accessible around the clock.



MAERSK CONNECTOR, A MULTI-PURPOSE OFFSHORE VESSEL

Bayards was proud to engineer, manufacture, and install a 20.9-meter aluminium helideck on the Maersk Connector, a next-generation cable-laying vessel designed for offshore transport and installation. Fully compliant with CAP 437 standards, the helideck is equipped to support helicopters with a take-off weight of up to 12 tons and includes a fully integrated Deck Integrated Fire Fighting System (DIFFS) for enhanced safety. Bayards' lightweight aluminium helideck significantly enhances the vessel's operational capabilities.

The helideck provides a safe and efficient landing platform for helicopter operations, ensuring seamless transport of crew and critical supplies. The Maersk Connector represents the pinnacle of innovation in cable-laying vessels. Equipped with a dual basket carousel, it can simultaneously load and lay two cables, increasing efficiency while reducing operational costs. The vessel's seven-point mooring system enables shallow water operations, making it adaptable for a range of offshore applications, including wind farm installation and maintenance.





SUPPORT STRUCTURE

In addition to manufacturing the helipad 'pancake,' Bayards oversees the engineering, manufacturing, and installation of the lightweight aluminium support structures beneath the landing area. These structures, weighing even less than the 'pancake' itself, offer several advantages:

- No additional building reinforcements: The minimal weight of the aluminium support structures eliminates the need for extra reinforcements in the building.
- Space efficiency: The lightweight nature of the support structures allows for cantilevering the helipad structure from the building, contributing to further space savings.

When compared to alternative materials like steel, concrete, or composite, aluminium proves to be highly cost-effective due to the following reasons:

- Reduced weight: An aluminium support structure weighs only 1/3 of its steel counterpart.
- Swift assembly: The aluminium structure is assembled eight times faster than a steel one, requiring just one week for completion.
- Surface treatment not required: Unlike steel structures, aluminium structures do not necessitate surface treatments such as sandblasting or painting.





SAFETY NETTING

Backed by decades of expertise, we have developed a highly reliable, in-house safety netting solution that sets the benchmark for helideck safety. Designed to safeguard personnel, helicopter crews, passengers, and patients, our system is a proven asset for helideck operations worldwide.

Compliant with global aviation standards

Our safety netting solution meets and exceeds the latest industry standards, including CAP 437, ICAO, and FAA regulations, ensuring the highest level of safety and operational compliance.

Engineered for performance and longevity

Crafted with aluminium tubular frames and maintenance-free aluminium or stainless steel wire mesh, our safety net panels optimize the exceptional properties of both materials. This innovative design delivers key benefits, including:

- ✓ Unrivalled safety performance
- ✓ Exceptional durability—lasting over 35 years
- ✓ Lightweight, corrosion-resistant, and maintenance-free construction

With our safety netting solution, you ensure maximum protection, minimal upkeep, and long-term reliability for your helideck operations.

BAYARDS HELIDECKS: SETTING THE STANDARD WITH BP

USA's Argos Platform Bayards Helidecks proudly engineered and delivered a cutting-edge 20.9-meter Sade deck helideck for BP USA's Argos platform, an integral part of the Mad Dog 2 project in the Gulf of Mexico. This state-of-the-art helideck exemplifies Bayards' commitment to innovation, safety, and sustainability in offshore operations. Designed to meet the highest safety standards and regulatory requirements, Bayards' helidecks are tailored to withstand the harshest offshore environments.

The Argos platform's helideck, constructed using corrosion-resistant, lightweight aluminium, ensures durability and minimal maintenance while reducing the platform's overall weight—a critical factor in optimizing operational efficiency. Collaborating with Bayards offers clients unparalleled expertise and end-to-end project management. From initial design to on-site installation, Bayards ensures every helideck is customized to meet unique project demands, enhancing operational safety and reliability. With over 50 years of experience and a global track record, Bayards is the trusted partner for leading energy companies like BP.





ACCESS SYSTEMS AND PARKING AREAS

Ensuring adherence to current health and safety regulations is crucial for the routes leading to and from the helipad. To meet these standards while preserving on-site installation flexibility, we've devised standardized and easily adjustable access systems for our helipads. This approach ensures a secure and permanent connection between the helicopter landing area and the main building. Bayards helipads can be equipped with various features, including stretcher ramps, walkways, handrailing, staircases, and platform extensions for helicopter parking, providing a comprehensive solution for safe and efficient access.

Bayards ensures access systems and parking areas meet regulatory requirements while offering innovative solutions:

- **Case study:** At a hospital in Brighton, UK, Bayards designed a dual-access ramp system to streamline stretcher transport, enabling safe patient transfer even from 40 m high from the rooftop.
- **Features:** Modular design allows for rapid adjustments, and materials ensure a lightweight yet durable connection. Additional options include custom handrails, anti-slip walkways, and parking extensions for helicopter maintenance.





SUSTAINABLE ALUMINIUM HELIDECKS AND HELIPADS

At Bayards, sustainability is not just an aspiration—it is a necessity. As a leader in sustainable aluminium helidecks and helipads, we are driving a revolutionary shift toward low-carbon, infinitely recyclable aluminium solutions that align with the circular economy.

Why aluminium? The ultimate sustainable choice

Aluminium is a powerhouse of sustainability. When recycled, it requires just 5% of the energy needed for primary production, significantly reducing its carbon footprint. Its exceptional strength, flexibility, and durability ensure longevity, far surpassing alternative materials.

A commitment to responsible sourcing

Partnering with industry leaders, Bayards is at the forefront of responsible aluminium production:

- ✓ ISO 14025 Certified by SGS – Comprehensive carbon emission assessments (Scope 1, 2, and 3)
- ✓ ASI Performance Standard & ASI Chain of Custody Certified – Ensuring ethical and sustainable sourcing
- ✓ Western European sourcing – Over 50% CO2 reduction compared to coal-dependent suppliers

Advancing low-carbon aluminium

Bayards is working closely with its supply chain to reduce the carbon footprint of aluminium production by:

- ✓ Maximizing recycled aluminium and scrap usage – Retaining quality while cutting energy consumption by 95%
- ✓ Leveraging renewable energy sources – Prioritizing hydro, solar, and wind power in smelting and manufacturing

Currently, our aluminium carries an ultra-low carbon footprint of 6–7 kg CO2 per kg, with a roadmap to 3–4 kg CO2 per kg in the near future.

Real impact: A greener future

Between 2021 and 2022 alone, Bayards' sustainability initiatives:

- 🌱 Reduced CO2 emissions by nearly 4,500 tons
- 💧 Saved 17.1 million liters of water
- 🌳 Offset emissions equivalent to 225,000 trees

At Bayards, aluminium is more than a building material—it's a beacon of sustainability. Join us in shaping a greener, more responsible future.

BUILDING SUSTAINABLE SOLUTIONS FOR TOMORROW —SINCE YESTERDAY.

In 2017, Bayards Helidecks delivered a state-of-the-art aluminium helideck for Ørsted's Hornsea 2 Reactive Compensation Station (RCS), located 89 km off the Yorkshire coast in the UK. This helideck, measuring 20.9 meters and supporting a maximum take-off weight of 12 tonnes, exemplifies Bayards' commitment to engineering excellence in offshore wind energy projects.

Hornsea 2 is one of the world's largest offshore wind farms, boasting a capacity of 1,386 MW and generating enough green electricity to power over 1.3 million homes. The project's scale underscores the critical role of reliable offshore infrastructure. Bayards' lightweight, corrosion-resistant aluminium helidecks are designed to meet the demanding conditions of offshore environments, ensuring safe and efficient helicopter operations for maintenance and personnel transport.

As climate change accelerates, the transition to renewable energy sources like offshore wind is imperative. Collaborations between industry leaders such as Ørsted and Bayards Helidecks are pivotal in driving this transformation, contributing to a sustainable future, and helping to limit global warming to 1.5°C.

Bayards Helidecks remains at the forefront of delivering innovative, high-quality helideck solutions, supporting the offshore wind industry's growth and the broader mission of combating climate change.





EXCLUSIVE AT BAYARDS

Sustainability at the core: low-CO² aluminium

Bayards is at the forefront of the green transition in helideck manufacturing. Our low-carbon, infinitely recyclable aluminium is sourced from certified sustainable suppliers who leverage renewable energy sources such as hydro, solar, and wind power in production. We are driving our aluminium's carbon footprint down from 6–7 kg CO² per kg aluminium to an ambitious target of 3–4 kg CO² per kg aluminium—setting a new standard for sustainable helideck infrastructure.

Exclusive SafeDeck™ planking: enhanced safety & longevity

Bayards' SafeDeck™ planking system is an exclusive, high-performance decking solution that enhances safety while further reinforcing sustainability. Designed for optimal water or fuel drainage and superior grip, it minimizes slip hazards, enhances fire safety, and significantly reduces maintenance requirements.

Eco-friendly water-only DIFFS: sustainability without compromise

Bayards' exclusive water-only Deck Integrated Fire Fighting System (DIFFS) is a game-changer in onshore and offshore helideck safety. Unlike traditional foam-based systems that introduce environmentally harmful PFAS chemicals, our solution utilizes only pure water—an eco-friendly approach, in compliance with the latest environmental regulations.

Winterization solutions: reliable operations in extreme conditions

Operating in extreme weather conditions demands advanced winterization solutions. Bayards integrates tailored, fully compliant de-icing and snowmelt systems, ensuring uninterrupted safety and accessibility in sub-zero environments.



**OVER 700+ HELIPADS AND
HELIDECKS DESIGNED,
ENGINEERED, AND
INSTALLED WORLDWIDE.**



BAYARDS[®]
helidecks [Ⓜ] helipads



Bayards Headquarters

Veerweg 2

2957 CP | Nieuw-Lekkerland

T: +31 (0)184 683 000

E: sales@bayards.com

WWW.BAYARDSHELIDECKS.COM