

Aircraft maintenance and painting platforms



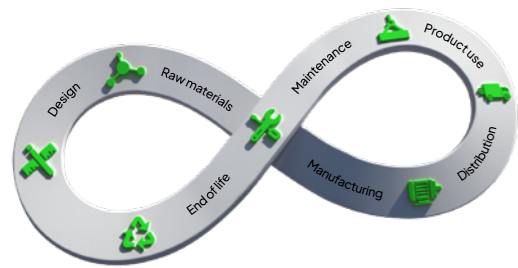
Streamline workflows

Crane systems can help enhance operational efficiency, safety and precision for quicker turnarounds and higher customer satisfaction.

It goes without saying that a plane on the ground isn't earning revenue. Consequently, airlines are under increasing pressure to minimize maintenance and overhaul times in order to maximize efficiency and profitability.

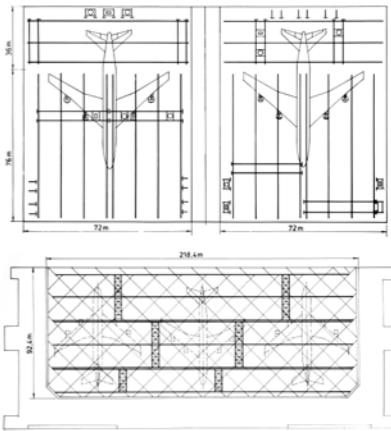
The use of teleplatforms in aircraft maintenance and painting hangars can significantly improve workflows by streamlining the movement and positioning to the aircraft surface, helping facilities meet tight deadlines for less aircraft downtime.

With our long-standing partnership with the aircraft industry, we possess considerable expertise in designing and producing crane solutions tailored specifically to meet the process requirements for the safe and dependable maintenance of aircraft.



Sustainability at every stage of the crane's lifecycle

We are committed to providing sustainable solutions and services while preventing and minimizing emissions and waste. Lifecycle thinking combined with usability, eco-efficiency and safety guide us in the design of our products and services. Our aim is to maximize the lifecycle value of our products.



Maintenance and painting hangar layout examples.

Optimize your workspace

Modern maintenance and painting facilities need to be increasingly advanced to handle the different types and sizes of aircraft. Various floor level platform designs for each aircraft type occupy significant floor space around the planes being serviced. Traditional ground-based equipment can take up valuable floor space, reducing maneuverability within the hangar.

In order to get the most out of your available floor space you need to look to the space above. A combination of telescopic work platforms and suspension cranes can make major repairs, maintenance, and painting more efficient and free up the space below for equipment, tools and personnel.

An efficient use of space

We offer a range of equipment that can provide the flexibility you need to adapt to evolving needs—from single girder suspension cranes to intra-logistic crane systems.

Suspension cranes are a great choice for maintenance applications. Individual suspension cranes can be linked using latching devices, enabling one or multiple trolleys to move from one crane bridge to another.

This setup extends the operating range of a platform or service trolley to span the entire width of the hangar. Since individual cranes can also be suspended from multiple runway tracks, overhead space can be fully utilized with a uniform distribution of forces on the building.



Safer and more efficient processes

Access to sensitive parts such as engines, landing gear or control surfaces requires careful handling to prevent damage or injury. Our teleplatforms are designed to provide a stable, adjustable platform that makes it easy to access hard-to-reach areas to keep maintenance workflows running smooth.

We designed the telescopic mast to effectively manage and dissipate external horizontal forces for a safer and more stable working environment. The mast can be extended downward and is equipped with a lightweight maintenance platform with high structural rigidity and a low deadweight. The operator can move the maintenance platform into the desired position right down to the last millimeter and it can be rotated through 360°.

Safety-enhancing features

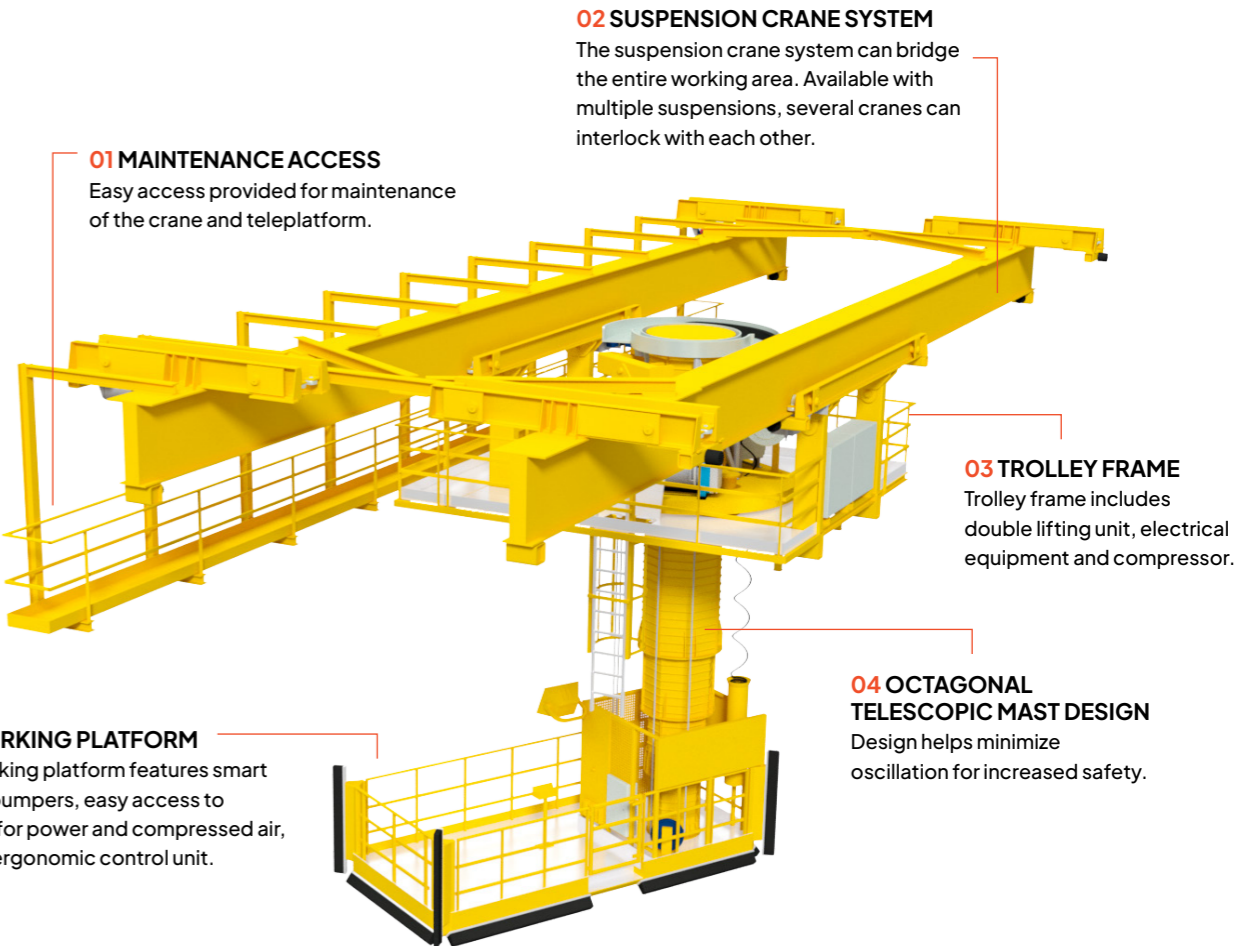
Our teleplatforms are designed with several features to enhance the safety of personnel, equipment and the

working area. Sections of the platform railing can be removed so workers wearing specially designed safety harnesses can carry out work very close to the aircraft.

The control system can be disabled if the platform door is opened to help prevent the platform from accidentally being moved while a worker is entering or exiting. And in the event of an emergency, the necessary equipment is available for personnel to safely leave the platform.

Aircraft are expensive assets, and even minor damage can affect their performance, reliability and airworthiness. Integrated collision avoidance helps prevent contact between the platform and the aircraft or surrounding structures, maximizing worker safety and protecting the aircraft from potential damage. And if the load capacity is exceeded, the integrated overload protection automatically switches off the entire installation.

Teleplatforms for MRO and painting



Aircraft MRO: Bridging large hangars

Crane with five suspension points

FEATURES	SPECIFICATIONS
Load capacity	15 tons
Span	18.23–18.23–18.23–16.53 m
Total span including girder overhangs	73 m



Suitable for a wide range of tasks

Our teleplatforms and crane systems can be used for a wide range of tasks in aircraft MRO and painting facilities—for routine inspections and maintenance, jet engine inspections and moving aircraft parts to maintenance areas as well as for painting a complete aircraft.

With decades of experience and know-how in delivering tailored solutions to customers around the world, you can count on us to provide lifting equipment and service to improve the safety, productivity and sustainability of your operations.

Maximize crane reliability and performance

An active service program is vital for the safety and productivity of your cranes. Regular inspections and preventive maintenance help identify risks and opportunities for improvement while supporting compliance with safety regulations.

Service programs tailored to your operations

Preventive maintenance conducted at regularly scheduled intervals can often be the most effective way to maintain and potentially extend the lifespan of your cranes. Our experts can help you build a service program—from basic inspections to a comprehensive maintenance program—tailored to your operations.

The right parts at the right time

Keeping parts in inventory, especially in process-critical operations, can further reduce downtime when performing maintenance or repairs. Our parts experts can provide you with a comprehensive parts package specifically designed according to your application and usage requirements.

Why choose Konecranes as your crane service provider?

We have the largest and most extensive service network in the industry, servicing hundreds of thousands of assets each year of all different makes and models. You get the advantage of local inspectors and technicians with access to a wealth of knowledge from around the globe.

We take a comprehensive, systematic and collaborative approach to managing your assets throughout their lifecycle. We take time to share our findings with you, provide recommendations based on our industry-leading expertise and discuss how each action impacts your operations and the entire health of your business.




Core of Lifting: Experience in action

Our cranes are built around key components that we design and manufacture in-house. Our gears, motors and controls are made specifically for crane use and lifting motions and are fully integrated into the core of our crane technology. We don't just design the components, but also the interactions between them making them work seamlessly together as the Core of Lifting.





Konecranes is a global leader in material handling solutions, serving a broad range of customers across multiple industries. We consistently set the industry benchmark, from everyday improvements to the breakthroughs at moments that matter most, because we know we can always find a safer, more productive and sustainable way. That's why, with around 16,700 professionals in over 50 countries, Konecranes is trusted every day to lift, handle and move what the world needs. In 2024, Group sales totalled EUR 4.2 billion. Konecranes shares are listed on Nasdaq Helsinki (symbol: KCR).

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