EXCEL
INDUSTRY CO. LLC

Company Profile

Excel Aviation

www.excel-uae.com

Why Choose Excel Aviation.

Customer Centric Design

Aviation products designed in collaboration with heavy mechanical line operation and ground support equipment customers.

Value add Engineering

Innovative Design and Engineering teams can provide a tailored solution to meet individual client requirements.

In-house Aviation Expertise

Aviation experts can collaborate with end-users and can suggest alternatives that often result in a more effective design, reducing both costs and lead-times.

Commitment to Quality

Impeccable track record of providing high-quality. safe, and relia-ble products with industrial components that extend service intervals and ensure long service life.

Extensive Manufacturing Facilities

Regional ISO 900 I :2008 production facilities, employing state of the art CNC machinery. Steel and Aluminum welding robotics, precise production processes, and meticulous standards & controls to manufacture high quality products with short lead times.

Erection Expertise

Seasoned installation team that have assembled, erected, and commissioned our bespoke the docking system at airside aircraft engineering facilities across the G.C.C.

Long Term Horizon

A focal point of our philosophy is to forge strategic partnerships with our customers and collaborate in lock step with their long term growth roadmaps and expansion plans.

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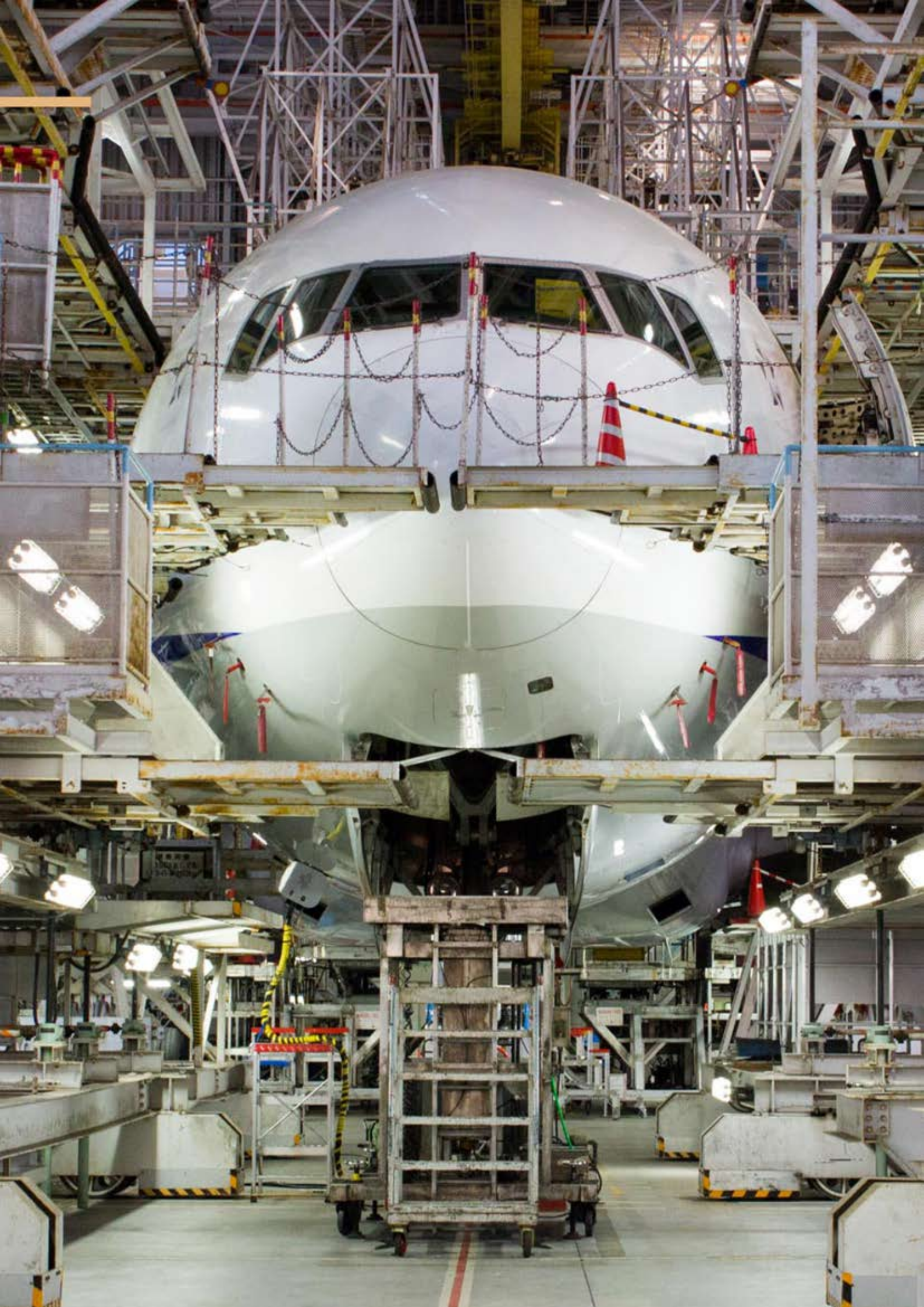


Aircraft Docking System

Excel Aviation's nose, fuselage, tail, wing, and engine docking systems provide safe and efficient access to perform routine maintenance and repair job cards for multiple aircraft types with weight on wheels or weight on jacks.

" 15 YEARS OF EXPERIENCE "

Over the past 15 years, Excel Aviation has designed, engineered, and commissioned docking systems in extensive consultation and collaboration with heavy base maintenance and line operations end users. Blending leading aircraft maintenance standards, best practice, and universally accepted regulatory guidelines.

Excel Aviation's docking systems provide unsurpassed access to wide and narrow body aircrafts for both maintenance and paint crews.

The two principle design elements fundamental to the Excel Aviation docking system philosophy are integration and flexibility. The Excel docking system provide seamless access between the nose, fuselage, tail, and wing systems allowing optimal movement of crews, tooling, and aircraft parts between stations.

At the same time, the design of the system facilitates the ability to cater to multiple job cards simultaneously. This flexibility allows customers freedom in scheduling jobs and can vastly improve the aircraft maintenance and paint cycles.

The business case for ownership is made even more compelling due to the fact that these systems can be leveraged for a variety of aircraft types ranging from:

AIRBUS

A319, A320, A330, A340, and A380-800

BOEING

Boeing B737, B747, B777, and B787.

The Excel Aviation access systems are extremely versatile and afford customers a high degree of flexibility in commissioning and operational utility.

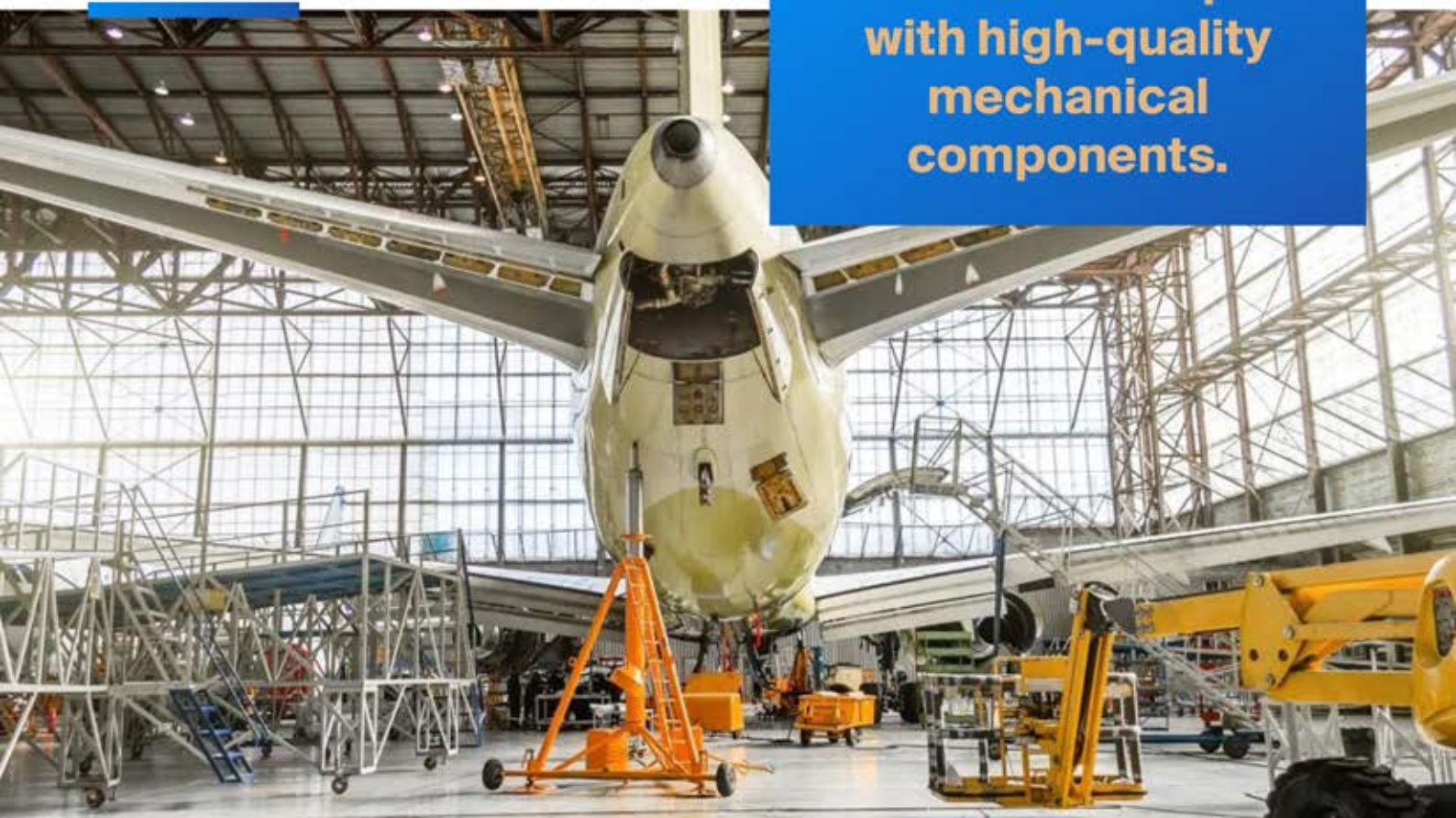
For example, with minimal redesign, the system can be leveraged for a nose-in or tail-in configuration. In addition, the modularity of the system helps future proof the investment. For example, a multiple-aircraft docking system designed for the A380 and B777-300 is currently being reconfigured to cater for the B777X. The modularity of the system also complements the relocation or sale of the docking kit, should it be required.

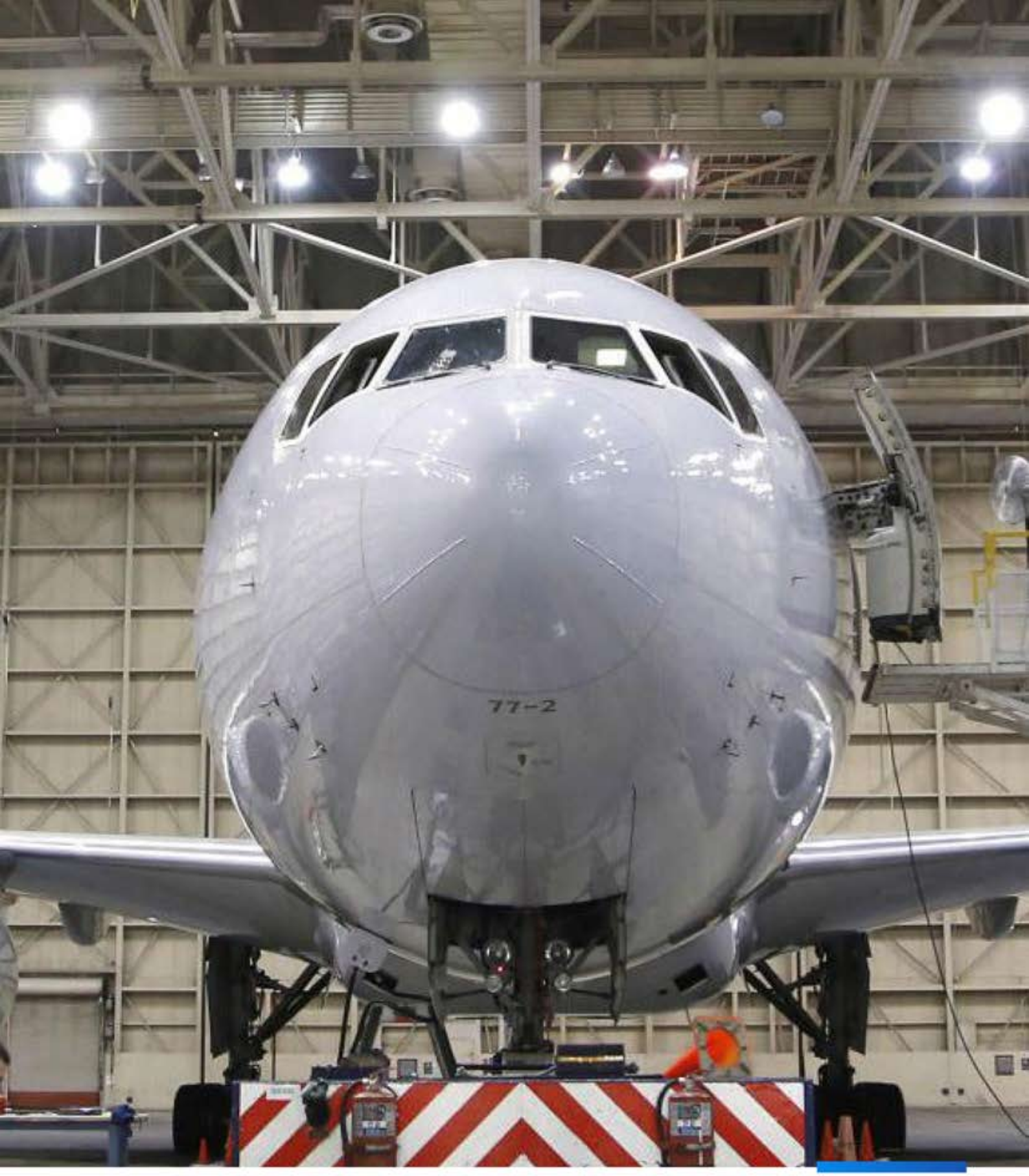
Another product differentiator of the Excel access systems are the use of sophisticated electronics coupled with high quality mechanical components.

The highly automated PLC governed systems are preconfigured using motorized horizontal and vertical drives to reduce docking time and facilitate shortening the aircraft hangar time. Safety is embedded into every facet of design and there are no compromises when the safety of crews, property, and aircraft are at stake. In addition to handrails, safety barriers, pivot plates, and rubber fenders, the docks also leverage proximity sensors, limit switches, and interlocking PLC systems with widely accessible emergency stops to supplement safe and rapid docking and dedocking.

Each system is fitting with sliders/fingers that can be deployed with electric or pneumatic hand tools to get as close a fit to the aircraft. As with all aircraft adjacent sides, all sliders are fitted with non-marking rubber fenders to protect the aircraft panels from damages.

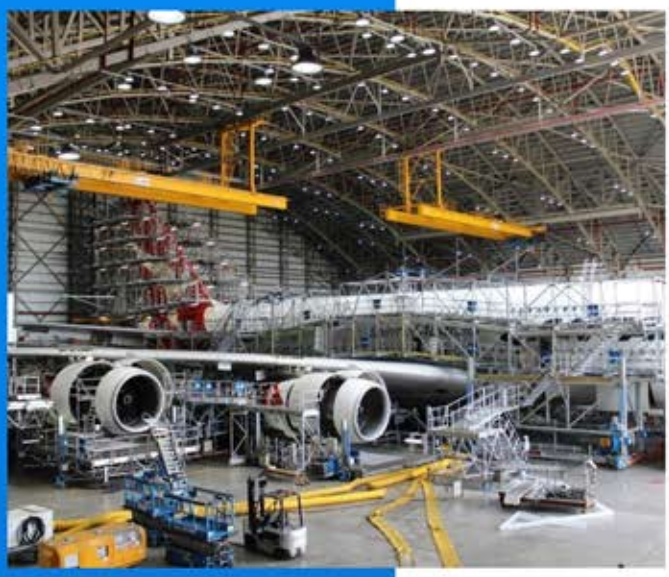
Excel access systems are the use of sophisticated electronics coupled with high-quality mechanical components.





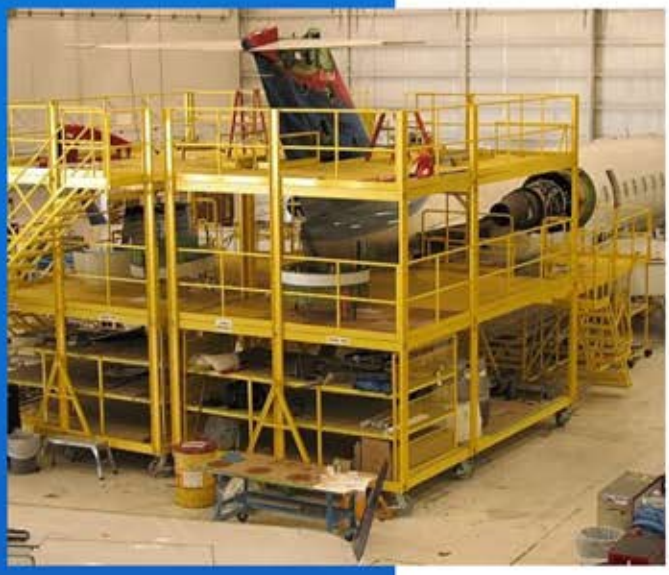
Nose Dock

Aviation experts can collaborate with end-users and can suggest alternatives that often result in a more effective design, reducing both costs and lead-times.



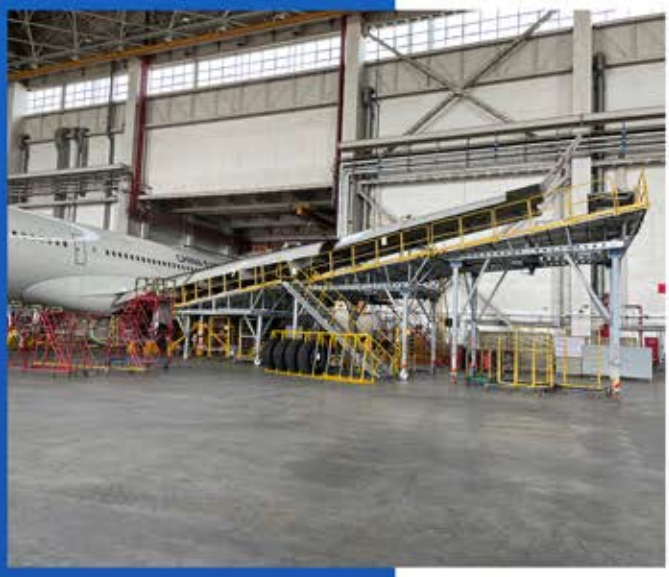
Fuselage Dock

The fuselage dock provides access to all fuselage doors, windows, rear cargo door, the fuselage crown, and the dorsal fin.



Tail Dock

The tail dock provides access to all flight controls on the horizontal and the vertical stabilizer. It should be noted that the motorized drives for the THS and VTP are independent, allowing flexible access to support job cards in multiple stations simultaneously.



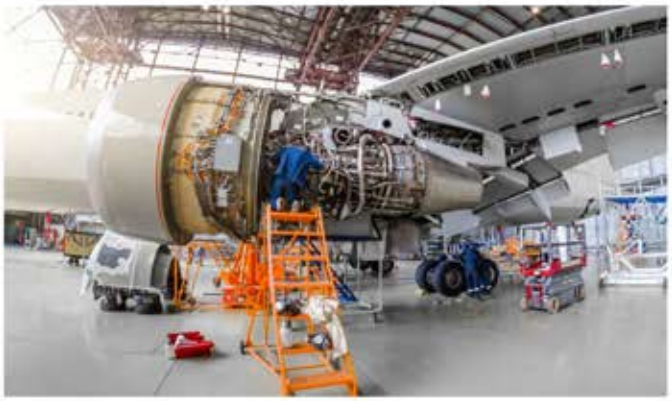
Wing Dock

The wing docks system is made up of modular, height adjustable aluminum platforms designed to follow the contour of the wing. When deployed, it provides seamless, stepped access to the underwing of the wing from the wing tip to wing root. Raised steps/platforms are purposefully located to promote access to leading edge slats, trailing edge flaps, fuel tanks, and winglets. In addition, recessed areas and cutouts are available to allow for canoe fairings, RAT access, and jacking equipment.

Engine Dock

The engine docks are also manufactured in aluminum and provide access to wide variety of engines. They are fitted with intermediate scissors lifts that move on tracks to support job cards on the inlet, fan, and reverse thrusters with cowls open or closed. In addition a motorized gantry access bridge provides access to all areas of the pylon.

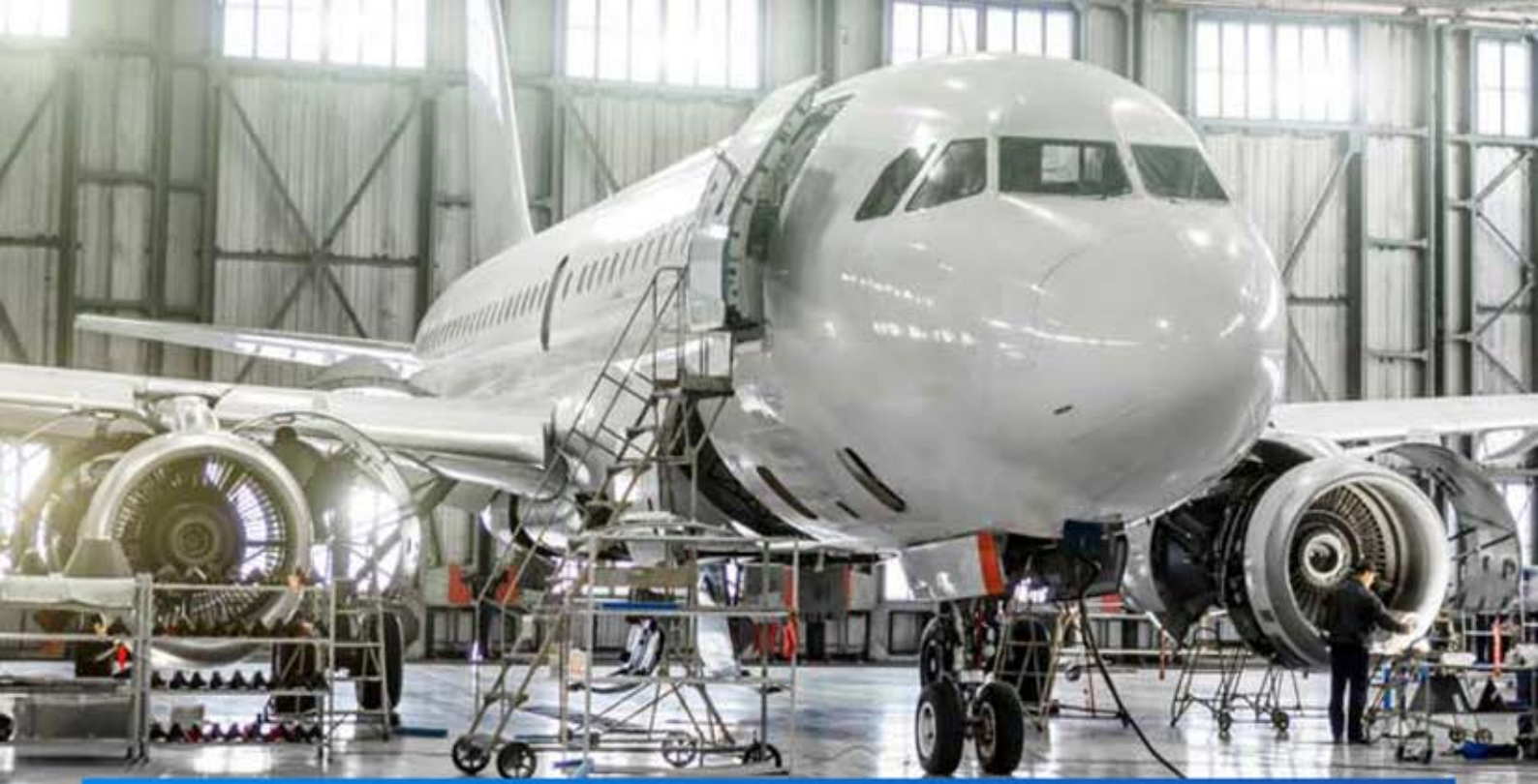
We realize that there is no one size fits all, so while the systems fundamental design are maintained, Excel Aviation offers customers a high degree of latitude in how they chose to customize the docks. For example, customers have the options on the compressed air, water, and electrical services required, lighting, flooring, and paint finishes.



Access Stair / Step

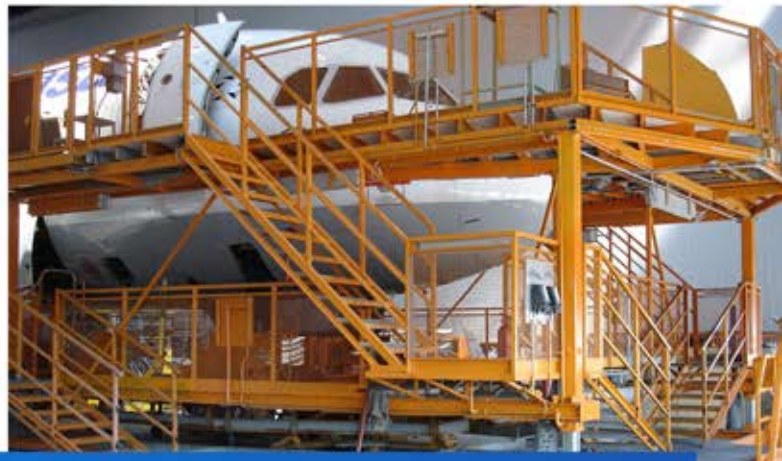
Excel Aviation manufacture a wide range of access stairs that cater to several different aircraft types. Some of the key features include

- Single lever jack system in front and two independent jacks at the back for stability.
- Equipped with folding tow-bar with 2 inch diameter eye.
- High quality castors allow for easy maneuverability.
- Rubber bumper fitted in front and both sides for aircraft protection.
- Non-slip working deck, landings, and steps.
- Galvanized and 3 coat epoxy paint finishes.



Technical Specification

Model No.	Step Width	Step Depth	Platform Size	Platform Height	Overall Length	Overall Width	Overall Height	Shipping Weight
EFS-2000MM	800 mm	250 mm	1220 x 1220 mm	2000 mm	4000 mm	1800 mm	3000 mm	340 kgs
EFS-2500MM	800 mm	250 mm	1220 x 1220 mm	2500 mm	4000 mm	1800 mm	3500 mm	390 kgs
EFS-2750MM	800 mm	250 mm	1220 x 1220 mm	2750 mm	4000 mm	1800 mm	3750 mm	440 kgs
EFS-3000MM	800 mm	250 mm	1220 x 2000 mm	3000 mm	4000 mm	2400 mm	4000 mm	630 kgs
EFS-3900MM	800 mm	250 mm	1220 x 2000 mm	3900 mm	4940 mm	2400 mm	4900 mm	710 kgs
EFS-L-2000MM	800 mm	250 mm	1220 x1220 mm	2000 mm	4000 mm	1270 mm	3000 mm	260 kgs



Technical Specification

Model No.	Step Width	Step Depth	Platform Size	Platform Height	Overall Height	Overall Length	Overall Width	Tare Weight
EFS-C1640	800 mm	205 mm	1000 x 1000 mm	1640 mm	2640 mm	2730 mm	1350 mm	220 kgs
EFS-C-2000	800 mm	205 mm	1220 x 1220 mm	2000 mm	3000 mm	3290 mm	1770 mm	270 kgs
EFS-C-3000	800 mm	205 mm	1220 x 2000 mm	3000 mm	4000 mm	4370 mm	2436 mm	400 kgs