

# **HELIDECK**

& ACCESS SYSTEMS



## HELIDECK & ACCESS SYSTEMS





North Sea Offshore (NSO) is a proven and certified manufacturer of aluminum helidecks & access systems for offshore, marine and onshore rooftop applications. We provide turnkey solutions, and our helideck systems are compliant for worldwide delivery.

Our spacious, fully equipped manufacturing facility in Yantai, China, is in the center of the global offshore and marine construction industry, lending us a competitive edge in balancing low-cost production with high quality design and engineering.

We are your trusted supplier for fully tested, class approved, and certified high quality aluminum helideck and access system solutions specifically tailored to suit your needs. We take pride in the quality of our production and after-sales service commitment.

## **QUALITY ASSURANCE**

- Patented design
- Third party certification
- Structured quality control system
- Fully equipped fabrication facility
- Skilled & experienced team of engineers and service personnel

## **NSO HELIDECKS**

Our patented helideck is accepted worldwide for safe and reliable take-off and landing. The lightweight aluminum pancake consists of an extruded deck plant and girder beam. When combined with an aluminum support structure the total weight is half that of the steel alternative, making it ideal for weight sensitive projects. In addition, serrations on the deck surface, combined with our NorthGrip solution or micro-texture finish ensures high-friction coefficiency on the deck surface. No welding is required during site installation as the helideck is entirely bolted together. All plates and extruded profiles are marine grade 6XXX or 5XXX serials. The fasteners for aluminum connections are SS316 grade A40-70 or 80.





## APPLICABLE PROJECTS



Offshore



Marine



## COMMON HELIDECK TYPES



D-Value: 12-14m EC 135 T2 Agusta A109 Dauphin AS365



D-Value: 14-20m Sikorsky S76 Super Puma AS332L EC 225 Agusta/Westland AW 139 & 189



D-Value: 20-26m Sikorsky S92A Sikorsky S61N Mi-8/17 AW101

## CLASSIFICATION SOCIETIES

DNV-GL	ABS	LR	BV	ccs	RMRS
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## DESIGN RULES, STANDARDS, AND REGULATIONS

#### International

- •CAA UK CAP 437
- •IMO MODU CODE
- •ICAO, Annex 14
- ·SOLAS
- National Authorities

## Brazil

Norman 27

#### Norway

- Norwegian CAA BSL D5-1
- Norwegian Maritime Authority (NMA)
- NORSOK

#### Europe

- European Standard –
   EN 1999 Eurocode 9
- •CAA UK CAP437

## U.S.

- •API RP-2L
- •U.S. Coast Guard

#### China

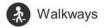
·CAAC

## MAIN FEATURES

- ✓ Lightweight 50% less than steel
- Quick delivery Under 11 weeks
- Worldwide delivery Compliance to any country or region-specific regulations & standards
- ✓ High friction helideck surface Above .65µ
- Oost effective Maintenance free and minimal upkeep compared with steel equivalent
- ✓ Fast assembly 3 weeks for pancake, 4 weeks for pancake & truss
- Pre-fabricated modular construction Ideal for quick and safe onsite assembly
- Long service life 30+ years
- ✓ 100% recyclable Environmentally conscious

## **ACCESS SYSTEMS**

Flexible aluminium access systems, customizable for the solutions you seek.









### OPTONAL PACKAGES









Heat tracing system.
Preferred in cold
climates for helideck
and walkways. Certified
for -20°C on helideck
surface and -50°C on
passageways.

Passive fire extinguishing system. An ideal solution for meeting added safety value requirements and for unattended platforms.

High friction bare aluminium deck surface treatment.
A maintenance free & cost-effective alternative to a painted micro-texture finish.

Deck integrated fire fighting system. Water or AFFF. Designed for optimal and active fire suppression for ultrasafe helideck operations.

- ✓ Water DIFFS system Environmentally friendly and cost effective
- ✓ Lighting Floodlights, perimeter lights, status light, windsock, and other accessories
- HMS, VHF, and NDB systems
- Lifesaving appliances
- Landing net
- Piping for draining and fire-fighting
- Platform and access way
- Marking/painting according to rules
- Assistance with authority approval
- Design of aluminium or steel support structure

## STANDARDIZED & CUSTOMIZED SOLUTIONS

Our helidecks are produced as a prefabricated kit in our factory to ensure a consistent high-quality product. We provide worldwide delivery and profession supervision of assembly and installation.

Furthermore, harsh and unique environments often require customized solutions to ensure face helideck operations. NSO helidecks can be designed and manufactured to meet the demands of each unique project. We provide solutions for a variety of dynamic work environments including challenges with cold climates, enhanced safety requirements, and other unique situations.

All of our helidecks come standard with an after-sale warranty and our offices worldwide are ready and able to provide assistance. We also provide product training for routine inspection and maintenance activities.







## **CONTACT US**

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