



LIGHT BUILDINGS

HANGAR, WORKSHOPS AND ACCESSORIES



FABBRICATO IN ITALIA



COVER TECHNOLOGY



SOLUTIONS

Design and manufacturing **hangars for aircrafts, workshops and shelters for vehicles, as well as logistics and multi-purpose systems.**

Due to their lightweight materials, flexibility, and high resistance, these systems provide **rapid, robust, and durable solutions.** They can be deployed in operations, ensuring high safety performance even under the most extreme conditions



DEPLOYABLE



RAPID DEPLOYABLE SYSTEM (RDS)

Lightweight systems, easy to transport in containers and quick to install, with minimal logistical impact:

- Lightweight & Quick deployment
- Efficiency
- Integrated logistics

SEMI-PERMANENT



LIGHT BUILDINGS SYSTEMS (LBS)

Best working conditions, comfort and energy efficiency:

- Also effective over the medium to long term
- Comfort and efficiency
- Extended durability
- Scalable



COVER TECHNOLOGY has developed **INTEGRATED SOLUTIONS** to merge the benefits of both types of solutions in a **SINGLE PRODUCT**

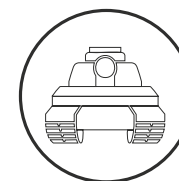
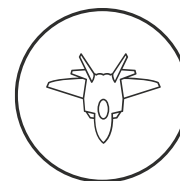
With specific native kits, the same structure can be adapted to different contexts

Benefits:

- Scalability
- Custom solutions
- Logistical efficiency
- Resource optimization

The same structure can be transported by air, installed quickly (with or without foundations) and guarantee a high level of finish and energy efficiency in any context

APPLICATIONS



AIRCRAFT and **VEHICLE** construction/maintenance

MULTI-PURPOSE facilities and **LOGISTICS**



COVER TECHNOLOGY solutions already used for **AIRCRAFTS** and **VEHICLES**

APPLICATIONS:

- 1. Production (Manufacturers)**
- 2. Testing (Manufacturers)**
- 3. Maintenance (Armed Forces)**
- 4. Shelter (Armed Forces)**

(ROTORCRAFT) AW-169 LUH / NH-90 / AW-139 / AW-249
NEES / AW-101

(AIRCRAFT) F-35 / EFA / F-16 / C-130J / C-27J / P.180

(ARMORED VEHICLES) CENTAURO II 8x8 / LMV / VBM
FRECCIA / SUPERAV 8x8



RESISTANCE: Hangars' design optimized by wind tunnel testing

RESILIENCE: Certified bending tests on load-bearing beams

EFFICIENCY: Blackout solar barrier combined with low-emissivity fabric coating



TECHNICAL FEATURES

RESISTANCE	RESILIANCE	EFFICIENCY
52 m/sec real conditions	Up to Class 1 reinforced Aluminium beams	Blackout solar barrier
40 m/sec average design wind speed up to Eurocodes	Min. spare parts and consumable required 20 years min. life span	Winter/Summer conditions thermal flow 2,4 W/m ² K thermal flow 1,1 W/m ² K
400 kg/m ² vertical load up to Eurocodes	Wide operative temperature range	Solar direct reflectance «pe» 35% Solar direct absorbance «ae» 65% Solar energy transmittance tot. «g» - descending heat flow 2,68%



COMPANY CERTIFICATIONS AND QUALIFICATIONS

UNI EN ISO 9001 - quality management

UNI EN ISO 14001 - environmental management

UNI EN ISO 45001 - occupational health and safety
management

UNI EN ISO 3834 - welding process management

UNI EN 1090 - CE marking

CFP Qualification (Carbon Footprint of Product) issued
by a third-party certification body

ECOVADIS-ESG





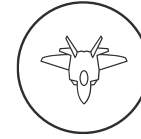
AIRCRAFT HANGARS

TEMPORARY AND PERMANENT SOLUTIONS



Modular Hangar solutions for all aircraft types





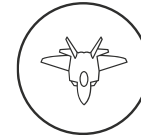
SEMI - PERMANENT HANGAR



(LBS) Lightweight Building Systems designed and manufactured as an **effective alternative to traditional buildings**. Rapid installation, with reduced construction and maintenance costs

The same building can be employed for both **long-term missions and permanent domestic applications**, enhancing the capabilities and resources of the Armed Forces.





TEMPORARY HANGAR



(RDS) Rapid Deployable Systems are designed to meet operational requirements, ensuring **rapid deployment across multiple scenarios**. The technologies employed combine **strength, low weight, and high performance**

The same building can be rapidly installed, with or without foundations, and subsequently dismantled and redeployed in other locations as a temporary solution





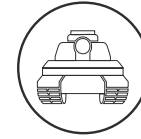
WORKSHOPS AND VEHICLES SHELTERS

TEMPORARY AND PERMANENT
SOLUTIONS



Integrated work area





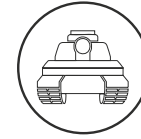
TEMPORARY WORKSHOPS



(RDS) Rapid Deployable Systems deliver **flexible, rapidly deployable solutions** for vehicle shelter and maintenance. Optimized for **operational effectiveness**, they combine robustness, lightweight design, and high performance, and can be installed with or without foundations and redeployed as required

A complete range of **integrated equipment** allows for effective and rapid deployment of these structures





SEMI-PERMANENT WORKSHOPS



Specific solutions to satisfy employment, transport, and installation requirements. **Applications for organized overhaul lines as well as for repair and maintenance of vehicles on-site.**

A complete range of **integrated equipment** allows for effective and rapid deployment of these structures.





FIELD TACTICAL TENTS

FOR MILITARY AND EMERGENCY



Shelter even in adverse weather conditions





AERONAUTICAL DOORS

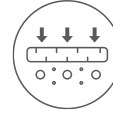
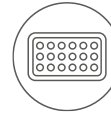
CUSTOM SOLUTIONS



Design and manufacture of industrial doors, airport closures and hangar doors including large scale models and available in different types



ACCESSORIES



A wide range of options and tailor-made solutions to meet every need



REALISED PROJECTS







MAINTENANCE



AW-169 LUH / AW-139 / AW-249 NEES /
AW-609



Hangar for manufacturing and testing, approximately 1,120 m² (two independent work areas), complete with systems and approx. 220 m² of auxiliary rooms equipped for mechanical workshops, offices and services



MAINTENANCE



F - 35



Hangars designed for F-35 operations, suitable for temporary and semi-permanent applications. Delivering exceptional performance and operational comfort.

Dozens of hangars are currently deployed across Europe, including Arctic environments.



MAINTENANCE



NH90 / F-35 / AW-101 / AW-139

Hangars for storage and maintenance of approximately 7,000 m² (eight independent hangars) complete with systems.





MAINTENACE



NH90 / AW-101 / AW-139 / CH-47 / AW-129



Hangars for storage and maintenance of approximately 5,200 m² (three independent hangars) complete with systems and auxiliary rooms equipped for mechanical workshops, offices and services.



MAINTENANCE



AW-101 / AW-139



Hangars for storage and maintenance measuring approximately 5,250 m² (seven independent work areas) complete with systems and auxiliary rooms (under construction) for workshops, offices and services.



MAINTENANCE



**CENTAURO 8x8 / LMV / VBM FRECCIA /
SUPERAV 8x8**

Approximately 1,400 m² service line (six independent work areas) with systems and approximately 300 m² of auxiliary rooms located over two floors and equipped for mechanical workshops, offices and services





MAINTENANCE



**CENTAURO 8x8 / LMV / VBM FRECCIA /
SUPERAV 8x8**



Approximately 1.750m² service line (six independent work areas) with systems and approximately 330m² of auxiliary rooms equipped for mechanical workshops, offices, and services



MAINTENANCE



**CENTAURO 8x8 / LMV / VBM FRECCIA /
SUPERAV 8x8**

Approximately 1.750m² service line (six independent work areas) with systems and approximately 330m² of auxiliary rooms equipped for mechanical workshops, offices, and services





MAINTENANCE



VEICOLI BLINDATI



Rapid-deployment hangars for vehicle storage and maintenance. A complete range of accessories is available, including integrated systems, climate control, and modular flooring.

Dozens of shelters are currently in service with the Italian Army.



MAINTENANCE



ARMORED VEHICLES



Ultra-rapid deployment shelter system, designed for maintenance operations under critical time and environmental conditions. A full integrated container-based maintenance solution that enables operational support in locations where maintenance was previously not feasible.



COVER TECHNOLOGY



Via Caplà, 3 – 25080 Serle (BS) Italy

Tel +39 030 6908111

www.covertechnology.it