G&G Partners is a modern and dynamic company led by managers with a long-time and consolidated experience in the defense area.

G&G Partners has the objective of providing a complete range of re-deployable, modular and comfortable structures which at the same time have a low environmental impact, called: DEF SHELL

G&G Partners relies on 60 collaborators and has a productive site in Italy of 8.000 s.m.
INNOVATION

Light & Comfort Concept

The combination of high-tech innovative materials has the aim of provide high performance products with reduced weight and volume, excellent habitability and low energetic consumption.
The most important innovation introduced during these last years on the “structures” specific market, consists of CARBON HYBRID: aluminium profiles reinforced with special fibers. This product allows to guarantee high performances both in terms of:

Lightness
Volume Reduction
CARBON HYBRID – COMPARISON

By comparing two profiles with the same load performances, both dimensional and weight differences are evident between the traditional one made of aluminum (A) and the one reinforced with fibers. (B).

For the DEFSHELL range the Carbon Hybrid fiber reinforced aluminium profile has been adopted.

In this profile, plates of carbon fiber have been inserted in strategic positions, in order to increase stiffness and mechanical resistance in favour of less weight and volume.

ADVANTAGES:
- Reduced weight up to -35%
- Less volume up to -50%
- Easy to assemble and disassemble
- Reduction of transportation costs
INNOVATIONS: THERMOCANVAS

Thermocanvas membrane increases insulation and comfort by reducing the transmission of irradiations heat. The silver colour treatment on the surface, increases environmental comfort and brightness avoiding at the same time the unpleasant PVC smells.

Official tests, carried out on the Field Tent 6X6 by the Italian Air Force and Italian Fire Brigade have detected, with an external temperature of 36°C an internal tent temperature of only 28°C.

In comparison with the traditional PVC tents, thanks to a reduction of thermic transmission (U) of about 50% in summer and 35% in winter, Thermocanvas strongly reduces the energetic needs by optimizing air conditioning employment.
Main Advantages of DEFSHELL Range:

- Reduced weight and volume
- Cheaper and easier to transport and assemble
- Excellent comfort and thermal insulation
- Maximization of air conditioning systems
DEF SHELL – COMMON RANGE FEATURES

Modularity: expandable with modules in length. Panelled and linkable with other tents through covered cross connections.

Solidity: good wind and snow load resistance.

Easy to assemble and disassemble.

Limited weights and volumes: CARBON HYBRID aluminium structures.

Comfort: excellent insulation, internal brightness and lack of unpleasant smells.

Low environmental impact: limited energetic needs thanks to the innovative THERMOCANVAS coverage membranes.

Full compliance with Italian and International normative.
Field Modular Tent 6×6m

Special Features:

**Modularity:** expandable with 3X3m modules in length. Panelled and linkable with other tents through covered cross connections.

**Easy to assemble and disassemble:** thanks to pre-assembled arches and to the *easy fix* system.

**Limited weights and volumes:** CARBON HYBRID structure. Tent weight 448kg. Transportable by airplane on 463L pallets.
Field Modular Tent 6x6m

Suitable for:

- Dormitory
- Briefing Room
- Command Room
- Laboratory
- General Services

Performance Features:

- Snow Load 60 kg daN/m²
- Wind Load 28 m/s
- 36 covered square meters (6x6m version)
- 102 m³ available volume (6x6m version)

P/N DFS-11/QSS-06062 NATO Stock Number 8340-15-1958490
Field Modular Tent 6×6m - GALLERY
ROOFING

Special Features:
Modularity: possibility to add modules of 6,095m (Iso 20’ container length)
Limited weights and volumes: Waterproof transportation cases that can be inserted in Iso 20’ containers

Suitable for:
• Warehouse, General Services, Laboratory/Workshop and Garage

Dimension and weight:
• 6,096m (20ft) x 5,5m
• Total height 4,1m – Lateral height 3m
• Transportation case and structure total weight 1025kg
• Transportation case dimension 4m x 0,8m x 1m

Performance Features:
• Snow Load 150 kg daN/m²
• Wind Load: steady wind 31 m/s - wind gusts 42 m/s
• Covered square meters 33 m²
• Available volume 123 m³
• Can be built up on any type of ground
• No modification needed for the containers
Roofing - GALLERY
WORKSHOP TENT

Special Features:

**Modularity:** Possibility to add 10X5m modules and connectable on the sides with open-side containers

**Suitable for:** Workshop, Garage, Warehouse

**Dimensions:** 10x25m – 10x30m

**Performance Features:**
Snow Load 75 kg daN/m² - Wind Load 28m/s

P/N 10000200342  NSN 5410-150107856
P/N DFS-10X30-350/WKS  NSN 8340-15137051
MULTIFUNCTIONAL HANGAR

Special Features:

**Modularity:** flexible dimensions according to different operational needs with 25X5m modules. Available with or without doors.

**Limited Weights and Volumes:** Transportable in less than three containers iso 20’. Transportable by airplane on 6 pallets 463L.

**Suitable for:** Recovery for vehicles and aircrafts maintenance – Warehouse

**Available Versions currently in use:**
• “Launch Hangar” without doors
• “Maintenance Hangar” with 2 electrically total opening clamshell doors

**Dimensions:**
• (Launch Hangar): 25m x 20m
• Maintenance Hangar 25m x 42m
• Total Height 10,3m – Lateral Height 4,5m

**Performance Features:**
• Snow Load 75 kg daN/m²
• Wind Load 28 m/s

P/N DFS 2520 45/UM NATO Stock Number 8340 150125103
MULTIFUNCTIONAL HANGAR - GALLERY
MAINTENANCE HANGAR

Special Features:

Modularity: flexible dimensions according to different operational needs.

Easy to assemble and disassemble.

Suitable for:
Recovery for vehicles and aircrafts maintenance – Warehouse

Available versions currently in use
• 25m x 58m Height 8,4m with full opening vertical doors
• 25m x 29m Height 8,4m with full opening vertical doors

Performance features:
• Snow Load 100 kg daN/m²
• Wind Load: steady wind 31 m/s - wind gusts 52 m/s
• Covered square meters 1.450 m² (25x58x8,4 version)

25x29m P/N DFS0100003.00141S NSN 8340-15-0126737
25x58m P/N DFS0100003.00141L NSN 8340-15-0126748
The light construction concept is expressed through the **LIGHT BUILDINGS** range. The technologies used, allow us to create structures that can replace traditional building with limited costs and short delivery timings.

**Specific Light Buildings Features:**
- Alternative solution to masonry constructions
- Good level of habitability, comfort and insulation
- Fast preparation and reduced foundation work
- Fully repositionable
- Cheaper if compared to traditional solutions
- Fully compliant with both Italian and International normative

**Suitable for:**
- Warehouse – Laboratory - Workshop
- Air terminal
- Learning Center - Briefing Room
- Canteen – Recreation Area – General Services
MULTIPURPOSE TENT SYSTEMS - JFACC HEADQUARTER

Joint Force Air Component Command used by the Italian Airforce.

Composition:
• N.1 Technical Office 25x30m
• N.5 Avionic Laboratories 15x20m
• N.1 General equipment tent 10x30m
• N.2 6x6m standard soft membrane field tents
• N.5 hard panels 6x6m field tents
• N.7 Cross connections
Thank you for the attention

QUESTIONS?
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