Losberger Rapid Deployment Systems (RDS) is a specialist in the design, manufacture and installation of fast deployment, long term, metallic-textile structures for use in emergency situations. The company supplies complete solutions and offers a wide range of quality tents, shelters and temporary or permanent buildings.

- Living guarters.
- Field or permanent hospitals.
- Special applications.
- Collective decontamination and protection.
- Educational structures and conference rooms.
- Airport/passenger terminals.
- Shelters for peace keeping operations.
- Industrial buildings and storage hangars.

### RAPID DEPLOYMENT SYSTEMS

Supplier of adapted and turnkey solutions, Losberger RDS offers a wide range of products.

Specialised for decades in the protection of people and equipment, our company is present at your side through all the phases of your project:

**Study**: Losberger RDS makes the preliminary designs to define your project and perfectly meet your requirements.

**Design**: Losberger RDS designs your project and adapts to your requirements.

**Production**: Using its own production sites, Losberger RDS not only manufactures the equipment, but also and above all carries out the quality control at each step in manufacture.

**Assembly**: After delivery, Losberger RDS provides assembly on site and works to stimulate local economies by employing local labour.

**Monitoring** and **maintenance** in operating order.

Losberger RDS carries out the preventive and corrective maintenance of the equipment, carried out by our specialised technicians, anywhere in the world.

NOTE: We reserve the right to make changes and alterations which optimise our products or to ensure they correspond to the latest technology and specifications. Rev01-12/14



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Losberger brands : Losberger

Bachmann TMB Graeff Airshelter



# RAPID

# DEPLOYMENT SYSTEMS

## Humanitarian/camps





## LOSBERGER RDS offers a wide range of solutions for human protection.

Today, rapid deployment is essential. Natural or manmade disasters impact millions of us.

These accidents can happen in isolated areas in which no infrastructures are immediately available for the victims. Many lives can be saved immediately by deploying suitable structures.

Leader in the field of permanent and semi-permanent structures, Losberger RDS can provide decent living conditions for populations victims of disasters in record time, providing turnkey solutions which include all essential equipment:

- Sanitary facilities.
- Water treatment.
- Water reservoirs.
- Air conditioning.
- Electricity supply.
- Kitchen, cold storage.
- Laundry.
- Dispensaries.
- Camp management.
- Permanent maintenance in working condition.















Our modular solutions are stand-alone and provide the space required to protect populations in emergency situations.



# Bespoke humanitarian solutions

TAGNG / TMM TAM NG PROSTOCK CTS EQUIPPED CONTAINERS











### Our line of modular buildings offers...

### many possibilities:

- Fast, easy assembly and maintenance.
- **Mobility**: can be dismantled and transferred to all types of terrain.
- Possibility of turnkey solutions.
- Evolutive/modular: your building adapts to your needs.
- Long material service life.
- Excellent phonic and thermal insulation.
- HQE approach and respect of the environment (Texyloop).

### as well as a wide choice of equipment:

- Electrical installation and distribution boxes.
- Electricity, lighting, heating, HVAC....
- Fitted containers (toilet facilities, water treatment, kitchen...).
- Interior insulation and partition walls.
- Connection modules (between tents, containers, etc...).

### Modular shelter



### Modular shelter are primarily dedicated to dry air storage, maintenance or used as garages.

Permanently or semi-permanently installed, they are anchored to a flat platform.

They may also be installed and weighted down by steel/concrete blocks or water tanks.

Complete waterproofness makes it possible to control the interior hygrometry of the shelter. Access is made possible through 1 or 2 fully opening gables or via roll-up doors (4.50 m x 4.50 m). These shelters are packed in 20' containers or on aircraft pallets. Worldwide service and assistance are provided by our specialised technicians.

### Available equipment :

- Dehumidifier.
- Heating.
- Air conditioning. Lighting.
- Ventilation.
- Exhaust gas extraction.
  CO and No<sub>2</sub> detection.
- Cranes with overhead hoists (800 or 1000 daN).

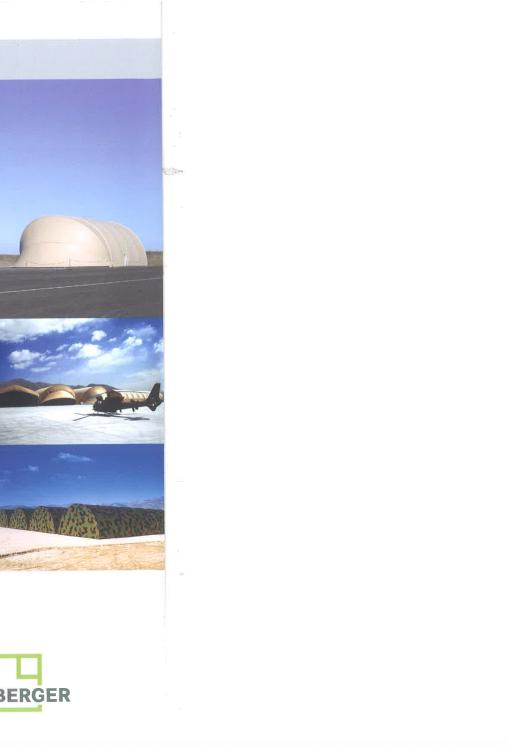
### Fabric colours :

- Sand.
- White.
- CE multicolour.

### Load resistance :

- Wind: 180 km/h.
- Snow: 100 daN/m2.





P13 P16 P20 P24

					10417
	P13	P16	P20	P20 R	P24 R
Туре	half-barrel	half-barrel	half-barrel	2 slopes	2 slopes
Width (m/ft)	13.00 / 42.65	16.00 / 52.49	20.00 / 65.62	20.00 / 65.62	24.00 / 78.74
Height (m/ft)	6.55 / 21.49	8.09 / 26.54	10.10 / 33.14	8.75 / 28.71	10.40 / 34.12
Length (m/ft)	20.00 / 65.62	20.00 / 65.62	20.00 / 65.62	20.00 / 65.62	20.00 / 65.62
Walter State of the State of th					

Weight (t/US tons) 5.70 / 5.17 7.50 / 6.80 16.50 / 14.97 19.10 / 17.32 24.00 / 21.77 Ballast model weight (t/US tons) 18.00 / 16.33 24.00 / 21.77 31.00 / 28.12 35.00 / 31.75 47.00 / 42.63 Cap weight (t/US tons) 1.50 / 1.36 2.50 / 2.27 4.00 / 3.63 6.00 / 5.44 9.00 / 8.16 Maritime packing 1 20' container 2 20' containers 3 20' containers 3 20' containers 5 20' containers 2 20' pallets + 1 tarp crate 2 20' pallets + 2 tarp crates 3 20' pallets + 2 tarp crates Air packing

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### TAG NG inflatable tents



## The TAG NG tent is ready for use in just minutes thanks to its inflatable frame.

The speed and ease of deployment make the TAG NG ideal for emergency care, command posts and emergency shelters for example.

Its resistance and robust construction, along with a set of accessories, ensures the TAG NG's efficient use on any type of terrain.

All tents can be carried by hand to the place of use.

One or two persons using an electric inflator install the inflatable TAG NG tent in less than 5 minutes.

Thanks to their modular design, the tents can be connected to each other in any direction (gable doors and side doors). The tent is made of durable, fire and UV resistant PVC coated fabric, using HF welding to construct the cover and floor into one enclosure.

Worldwide service and assistance are provided by our specialised technicians.

#### Available accessories :

- Automatic pressure maintenance system.
- Internal wall partition.
- Internal liner.
- Sunscreen.
- Electric inflator.
- Protective groundsheet.
- Lighting.
- Power distribution box.
- Heating/AC.
- Floor levelling tiles.
- Side door.
- Connection module between tents.
- Entry module.
- Connexion locks between tents and vehicles.
- Printed logos and marketing on request.

#### Fabric colours :

- White.
- NATO green.
- Sand.
- Orange

#### Load resistance :

- Wind: 100 km/h.
- Snow: 15 daN/m².







		TAG NG 29	TAG NG 42	TAG NG 56	
Floor space (m²)		29	42	56	
	Length (m)	5.15	7.55	9.95	
External dimensions	Width (m)	5.6	5.6	5.6	
	Height (m)	2.8	2.8	2.8	
Number of arches		3	4	5	
Packing	Tent	1.2 x 1 x 0.65 / 150 kg	1.3 x 1 x 0.7 / 190 kg	1.4 x 1 x 0.75 / 230 kg	
information	Poles	0.4 x 0.4 x 0.1 / 9 kg	0.4 x 0.4 x 0.1 / 14 kg	0.4 x 0.4 x 0.1 / 19 kg	
L x W x H Dimensions (m)	Pegs Hammer	0.4 x 0.4 x 0.6 / 22 kg	0.4 x 0.4 x 0.6 / 26 kg	0.4 x 0.4 x 0.6 / 28 kg	
Weight (kg)	Electrical inflator Repair kit	0.6 x 0.6 x 1.1 / 13 kg	0.6 x 0.6 x 1.1 / 13 kg	0.6 x 0.6 x 1.1 / 13 kg	
Number of tents p	per 20' container		15		

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BCS

LOSBERGER

## Lightweight inflatable frame tents TAG L



# Our light TAGL tent can be erected in just a few minutes thanks to its inflatable frame.

Its lightweight and quick & easy installation make the TAG L ideal for advanced medical posts, rescue and emergency etc...

Robust, resistant and supplied with accessories, the TAG L can be used efficiently on all types of terrain. Easily transportable by 2 people, the tent can be folded and stored effortlessly. Thanks to its inflatable frame the tent can be erected by 1 operator in less than 5 minutes with an electrical inflator.

The TAG L tents can be connected to each other easily (gable to gable) or thanks to our TC NG (intersection tent) in order to make a star - shaped configuration.

The tent is made of a highly resistant, fire retardant and UV protecting PVC-coated fabric. The cover and floor mat are high frequency welded together to form one piece.

Support is carried out by our teams worldwide.

### Equipments available :

- Automatic air pressure control system.
- Internal partition wall (fabric).
- Sun cover.
- Electrical inflator.
- Additional floor protection sheet.
- Heating / air conditioning.
- Rigid floor.
- Entrance module.
- Inter tent connecting module.
- Logos & markings for display upon request.

#### Available colors :

- White.
- Orange.

### Climatic resistance :

- 100 km/h wind.
- 10 daN/m² snow load.







		TAG L 28	TAG L 41	TAG L 54
Floor space (m²)		28	41	54
	Length (m)	5.07	7.47	9.87
External dimensions	Width (m)	5.45	5.45	5.45
	Height (m)	2.72	2.72	2.72
Number of arches		3	4	5
Darkina	Tent	1.1 x 0.95 x 0.65 / 90 kg		1.1 x 0.95 x 0.65 / 150 kg
Packing information	Poles	0.4 x 0.4 x 0.1 / 9 kg	0.4 x 0.4 x 0.1 / 14 kg	0.4 x 0.4 x 0.1 / 19 kg
L x W x H Dimensions (m)	Pegs Hammer	0.4 x 0.4 x 0.6 / 22 kg	0,4 x 0,4 x 0,6 / 26 kg	0.4 x 0.4 x 0.6 / 28 kg
Weight (kg)	Electrical inflator Repair kit	0.6 x 0.6 x 1.1 / 13 kg	0.6 x 0.6 x 1.1 / 13 kg	0.6 x 0.6 x 1.1 / 13 kg
Number of tents	per 20' container		15	1

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BCS



## Ultra fast deployable AMD shelters



shelters are designed primarily to serve as maintenance shops, but perform equally well as meeting rooms or reception and conference areas.

The AMD is packed on a trailer, a container platform or semi-trailer with a hydraulic self-erecting system. The covered floor space is 60m<sup>2</sup>, 120m<sup>2</sup>, 250m<sup>2</sup> or 340m<sup>2</sup>, depending on the model. Assembling an AMD is ultra fast: for instance, the AMD 60 is deployed in less than 10 minutes with only one person. Worldwide service and assistance are provided by our specialised technicians.

### Optional equipment :

- Heating.
- Air conditioning.
- Lighting.
- Generator.
- Humidity control system.
- De-humidification unit.
- Floor panels.
- Power distribution board.
- Sunscreen.
- Inflatable tent connected to the shelter.
- Beam trolley (AMD 350).

### Colour options:

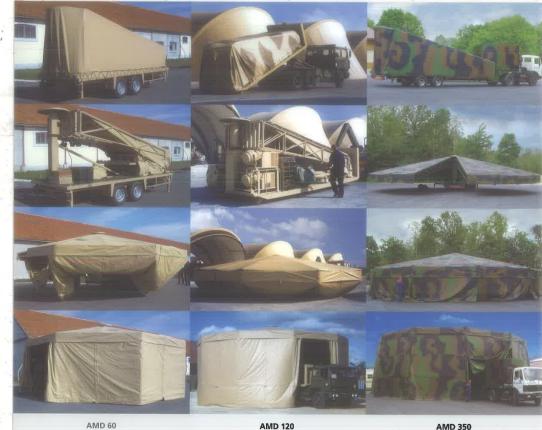
- Sand
- NATO green
- Camouflage

### Load resistance:

- Wind: 140 km/h
- Snow: 40 daN/m2







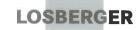
D 60	AMD 120	AMD 350

Model	AMD 60	AMD 120	AMD 250	AMD 350
Shelter diameter (m)	9.00	12.00	18.00	21.00
Shelter height (m)	2.30	4.70	2.60	6.00
Shelter weight (kg)	2,000	4,000	7,000	8,000
Trailer length (m)	5.00	7.20	13.50	13.50
Trailer width (m)	1.80	2.40	2.50	2.50
Trailer height (m)	2.50	4.20	3.75	4.10
Trailer weight (kg)	1,500	3,000	6,000	8,000
Staff (person)	1	2	3	3
Staff setup time (min.)	10	20	30	50

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Losberger brands : Losberger, Bachmann, TMB

### Domes



Domes are dedicated to the protection and cover of sensitive equipment such as radars, missiles, vehicles or helicopters under extreme climate conditions.

Composed of a galvanized steel frame and a heavy-duty PVCcoated fabric cover, the domes are available in standards diameters of 9, 11, 13, 16 and 20 metres.

The dome shelters can open extremely fast: operated by an electric gearbox, the opening and closing of the dome takes less than 30 seconds and is fitted with a manual safety system. Worldwide service and support are provided by our specialised technicians.

### Additional equipment ?

- Heater.
- Air conditioning.
- Lighting.

  Humidity control.

#### Fabric colours :

- White.
- Sand.
- Camouflage,
- Others.

### Load resistance :

- Wind load: 204 km/h.
- Snow load: 110 daN/m²,



E TOPM





Radome Type (diameter)	9 m	11 m	13 m	16 m	20 m
Height (m)	5	6	7	9	11.5
Volume (m³)	200	360	580	1,000	1,500
Weight (kg)	2,9	4,1	5,7	8,5	12
Staff (persons)	3	3	3	3	3
Setup time (day)	2	2	2	3	4
Transport (container ISO 20')	1	1	2	2	3

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### Prostock aluminium structure with double sloped roof



The prostock aluminium structures with double sloped roofs are designed for fast deployment and semi-permanent use during missions around the world.

Prostock structures can fulfill multiple functions: accommodation tents, catering (MESS) tents, recreation centres, storage facilities or hospitals. Prostock tents are made of an extruded aluminum frame and a cover made of flame retardant PVC coated polyester. The walls are made of either fabric or sandwich panels. The sandwich panels are available in different thicknesses depending on the desired isolation and acoustic performance.

The structures are equipped with base plates and mounting parts made of galvanized steel.

Prostock structures provide operating conditions identical to permanent buildings, with outstanding thermal and sound proofing properties and low-cost maintenance, next to a variable design and a quick and easy installation. Worldwide service and assistance are provided by our specialised technicians.

### Available options :

- White translucent or opaque covers.
- Internal separation walls of sandwich panels.
- Rigid access doors, single or double.
- Insulated windows.
- Lighting.
- Electrical distribution boards.
- Heating.
- Air conditioning.
- Ventilation.
- False ceiling, awning, interior insulation.
- Floor based on cassette system, optional load capacity of 500 daN/m² possible.

#### Load resistance :

- Wind: 166 km/h.
- Snow: 80 daN/m².



e sloped roof	
R	

NOTE: We reserve the right to make changes and alterations that optimise our products or to ensure they correspond to the latest technology and specifications

10

4/5

5

6.70

5

280

1 x 20'

4,4

360

1 x 40'

6,6

480

2 x 40'

8,8

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Span width (m)

Wall height (m)

Height (m)

Width per module (m)

Number of people

Packing for a length of 50 m

Weight for length of 50 m (kg)

Assembly time for a length of 50 m (hours)



### Metallic Frame Shelter TAM NG



The TAM NG shelters are rapid deployment modular tent systems, based on an externally positioned foldable aluminum frame with the fabric cover suspended on it. The TAMs new generation (NG) are set up very fast and can remain for long duration.

The assembly time and ease are perfect for all types of base camps, hospitals etc. Resistant and robust, the TAM tent can be efficiently used on every type of ground.

The TAM shelters can be connected each other in every direction (the connection is made with gable and side doors). The aluminum frame is foldaway thanks to articulations which open out.

The tent is made up of high quality PVC coated fabrics which are fireproof and UV rays resistant. The main cover, the ground cloth and the gables are fitted in one piece by using high frequency sealing. The support is provided by our specialists all over the world.

Available optional equipment :

- Inner vellum
- Partitioning walls
- Shadowing net
- Canvas cover for floor protection
- Lighting
- Electrical control box Generator
- Heater/AC
- Rigid floor
- Entry module
- Side doors
- Connection corridor between tents
  Logo and marking on request
- Rigid box for transport.

The structures may be incorporated within CBRN and/or decontamination systems.

#### Fabric colors :

- Green NATO, sand and camouflage for military areas.
- White and orange for civilian applications.

#### Climatic strength:

- Wind: 62 mph or 100 kmph (until 84 mph or 135 kmph with gusts)
- Snow: 49 daN/m² (50 kg/m²).





		TAM NG 18	TAM NG 36	TAM NG 56	
Surface area		18 m² / 194 sq.ft 36 m² / 388 sq.ft		54 m² / 581 sq.ft	
	Lenght	3 m / 10 ft	6 m / 20 ft	9 m / 30 ft	
External size	Width	6 m / 20 ft	6 m / 20 ft	6 m / 20 ft	
Hight Max. hight		2,50 m / 8,20 ft	2,50 m / 8,20 ft	2,50 m / 8,20 ft 3,30 m / 10,83 ft	
		3,30 m / 10,83 ft	3,30 m / 10,83 ft		
Arcs (pc.)		2	3	4	
	Frame	2,40 x 0,60 x 0,30 m / 59 kg 7,87 x 1,97 x 0,99 ft / 130 lbs	2,40 x 0,65 x 0,45 m / 97 kg 7,87 x 2,13 x 1,48 ft / 214 lbs	2,40 x 0,70 x 0,60 m / 135 kg 7,87 x 2,30 x 1,97 ft / 298 lbs	
Size / Weight => L x B x H / W	Fabric cover	2,35 x 0,5 x 0,3 m / 54 kg 7,71 x 1,64 x 0,98 ft / 119 lbs	2,35 x 0,5 x 0,5 m / 84 kg 7,71 x 1,64 x 1,64 ft / 185 lbs	2,35 x 0,5 x 0,7 m / 139 kg 7,71 x 1,64 x 2,30 ft /251 lbs	
Accessories		0,4 x 0,4 x 0,6 m /18 kg 1,31 x 1,31 x 1,97 ft / 40 lbs	0,4 x 0,4 x 0,6 m / 22 kg 1,31 x 1,31 x 1,97 ft / 49 lbs	0,4 x 0,4 x 0,6 m / 24 kg 1,31 x 1,31 x 1,97 ft / 53 lbs	
Assembly time		3 min	4 min	5 min	
Persons		2 pers	3 pers	4 pers	

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Losberger brands : Losberger, Bachmann, TMB

## CUBIC 27



### This shelter consists of in a rapidly deployable 27 m<sup>2</sup> module.

The CUBIC tents are easily connectible between each other as well as and with all our types of tents and shelters.

The structure offers an innovative "water cooling" type of air conditioning system through the vaporization of recycled water between the net and the textile roof of the shelter.

roof of the shelter.
These modules are highly resistant to weather conditions, namely to high wind, and do not require the installation of guy ropes.
Worlwide support and assistance are provided by our specialized

technicians.

### Available equipment :

- Standard air conditioning.
- Water cooling system.
- Heating.
- Camouflage.

### Fabric color:

- Translucent white textile roof,
- Sand color textile walls.
- Other colors on request.

### Climatic resistance :

- 150 km/hour wind.
- 80 dNa/m² snow.





	Length (m)	Width (m)	Height (m)	Surface (m²)	Weight (kg)
CUBIC 27	5.17	5.17	2.70	27	200

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## Fabric covered large span hangars



The fabric covered large span hangars are designed for the protection and maintenance of civilian or military aircraft.

The frames are constructed of hot-dip galvanized steel tubing. The covers are made of high strength pre-stressed, flame retardant PVC coated polyester

These hangars have a lifespan exceeding 25 years without the need of extensive maintenance. The hangars are completely sealed off from rain, dust and moisture, enabling the maintenance of a temperature and humidity controlled environment.

The hangars are designed to withstand extreme wind and snow loads. The flexible and lightweight structures are earthquake resistant. The large doors are motorized and the dimensions are adapted to the type of aircraft for which it is intended, plus safety margins. Up to the 42 m span width version, fully opening gables are possible. A translucent cover fabric letting daylight through, or an opaque fabric with an optional double insulated roof can be chosen. Worldwide service and assistance are provided by our specialised technicians.

### Additional options :

- Heating.
- Air-conditioning.
- Lighting. Humidity control system.
- Ventilation.
- Fire extinguishing system.
- Intermediate floor.

#### Fabric colours:

- White.
- Sand.



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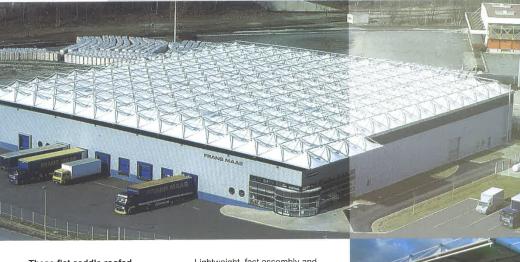
Hangar Type	28	32	43	54	74	85
Span (m)	28	32	43	54	74	85
Height (m)	10	16	20	24	26	32
Module width (m)	10	14	14	12	14	14
Wind load resistance (km/h)	204	160	180	180	180	180
Snow load resistance (daN/m²)	100	60	100	100	100	100
Fully opening gable	yes	yes	yes	no	no	no
Door width (m)	24	28	39	50	68	74
Fabric weight (g/m²)	1 000	1 000	1 500	1 500	1 500	1 500

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## Hangar with horizontal roof



These flat saddle roofed structures are primarily dedicated to facilitating storage or for applications requiring a large span and height.

The 3D frames are made of steel beams or aluminum, like our standard « Revolution» system. The roofing membranes have a life span exceeding 15 years and are made of flame retardant PVC coated polyester fabric. The translucent fabric lets natural light pass through. Opaque fabric can be supplied on request. The walls, preferably made of sandwich panels when the building has a large height, can be made of double layers of PVC coated fabric in case of a medium or small building height.

Lightweight, fast assembly and the absence of special foundations are the main advantages of this structure.

The required load resistance is calculated based on the climate conditions at the location. Worldwide service and support are provided by our specialised technicians.

### Available options:

- Air-conditioning.
- Heating.
- Lighting.
- Double roof.
- Humidity control system.
- Doors : manual, semi-automatic or automatic opening.



Span	(m)	:
------	-----	---

### 10 m

- 15 m 20 m 25 m
- 30 m\*
- 40 m\*
- \*(depending on wind and snow load).

### height under roof (m):

- 2.7 m 3.7 m 5.4 m 6.4 m 7.4 m
- 10.1 m

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## Airport terminals



Losberger RDS offers complete solutions from design to manufacture and installation of airport terminals for temporary and semi-permanent applications.

The Flexiterminal ® allows to respond quickly and effectively to an increase of passenger flow or a disturbed traffic.

Even voluminous or special cargo can be easily managed. Provisional terminals are often needed during expansion or renovation works, reconstruction

of existing facilities or major events.
All our structures meet snow and wind resistance standards of the erecting location.

Technical support is carried out by our engineers and technicians all over the world.

Our structures are made of profiled aluminum frame and polyester PVC coated fire-resistant (M2 standard) canvas covers.

The walls are made of "sandwich panels" of different thicknesses according to the criteria of insulation and acoustic performance you request.

Several dimensions and shapes can be offered, our structures are renowned for being flexible and adaptable while being easy and quick to install.

The Flexiterminal ® solution offers the same operating conditions as hard structures, a very efficient thermal/acoustic insulation and simple maintenance.

### Fabric colors :

- White.
- Green.
- Sand.
- Orange.







### References:

- Lisbon Airport (Portugal)
  Nuremberg Airport (Germany)
  Airport of Luxor (Egypt)
  Airport of Doha (Qatar)
  Airport of Heathrow (England)

8000 m<sup>2</sup> 1750 m<sup>2</sup> 4900 m<sup>2</sup> 14 months of use. 12 months of use. 4900 m² for 5 years. 5000 m² for 3 years. (baggage handling)

NOTE: We reserve the right to make changes and alterations which optimise our products or to ensure they correspond to the latest technology and specifications.

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