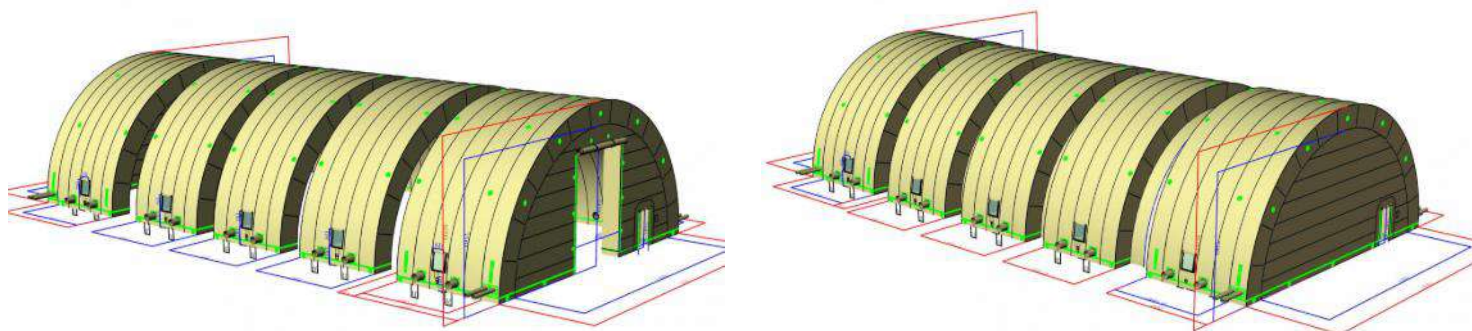


# Military inflatable shed

**L = 25 m x l = 14 m x H = 7 m, S = 350 m<sup>2</sup>**

See the video playlist - Large inflatable military hangar :

<https://www.youtube.com/playlist?list=PLJN9CI-mhN1skpBhKKB3n47MQ3fzZAu9G>



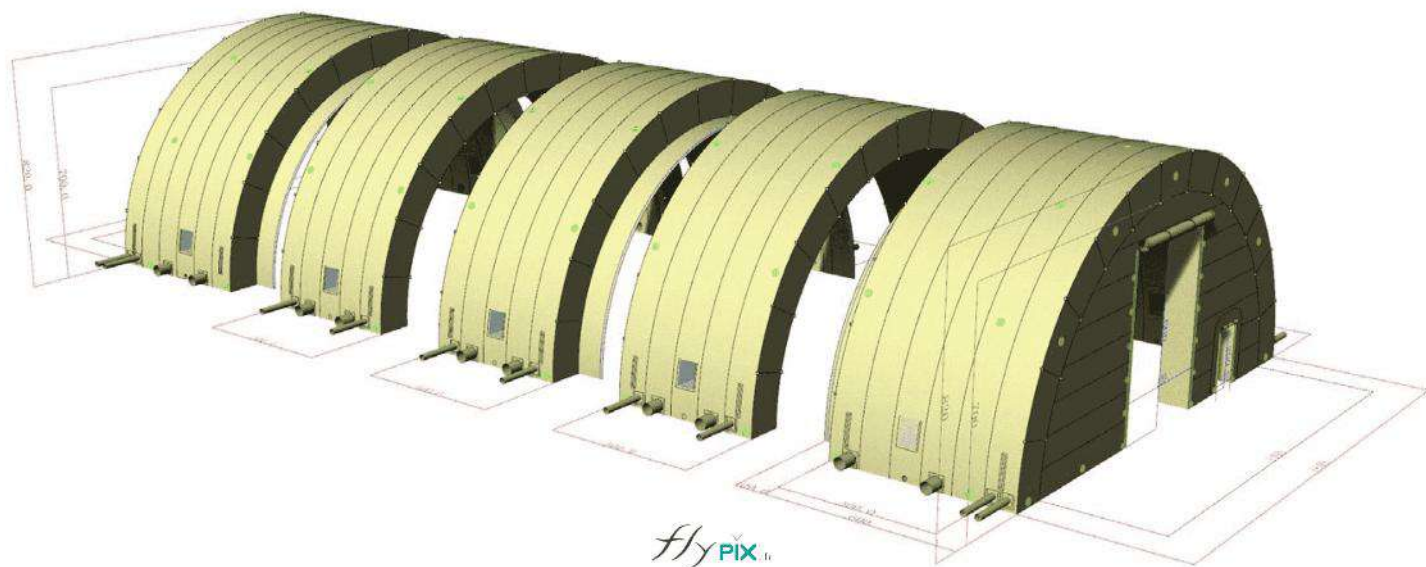
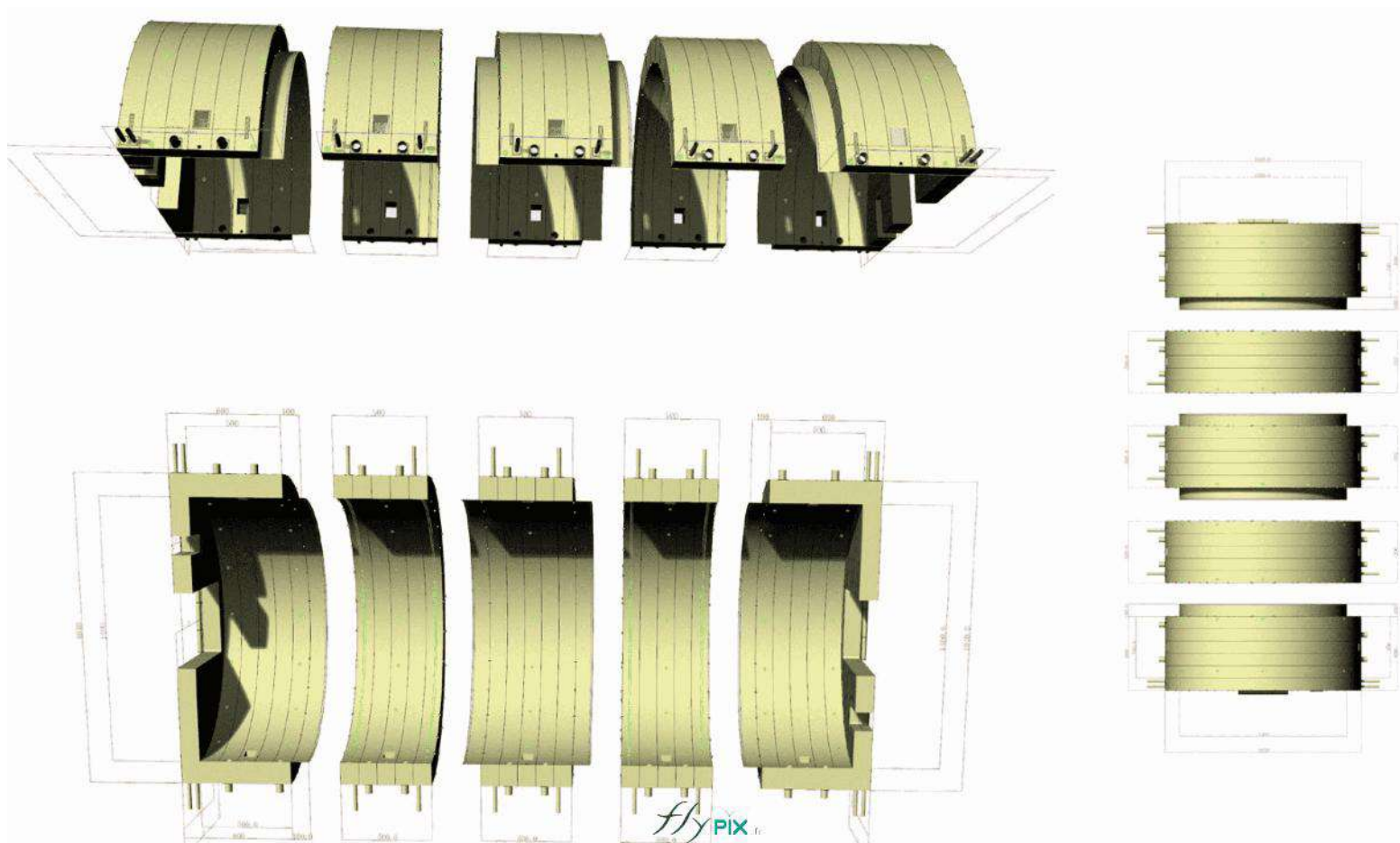
Video here : <https://www.youtube.com/watch?v=IAUPpTTr4xg>

**Example** : Two assembled and connected half-moon tunnel modules form part of a large inflatable military hangar, composed of a total of five modules. Here, we have inflated the front gable module and an intermediate module. This mobile inflatable military hangar, with its wide and tall dimensions, is highly versatile and protects equipment and soldiers from the elements during wartime. It will be deployed in military operations areas in armed conflict zones to accommodate soldiers, paratroopers, and officers, as well as to store equipment and repair military vehicles and machinery, including tanks, aircraft, and helicopters.

**FlyPix – Contact** : Vivien Laïlle – Mail : [contact@flypix.fr](mailto:contact@flypix.fr) – Téléphone : +33 (0)5 62 07 21 66 – Mobile : +33 (0)6 95 34 35 45  
**Website** : <https://www.flypix.fr/> – Siret : 44215677400022 – TVA Intra: FR8744215677.

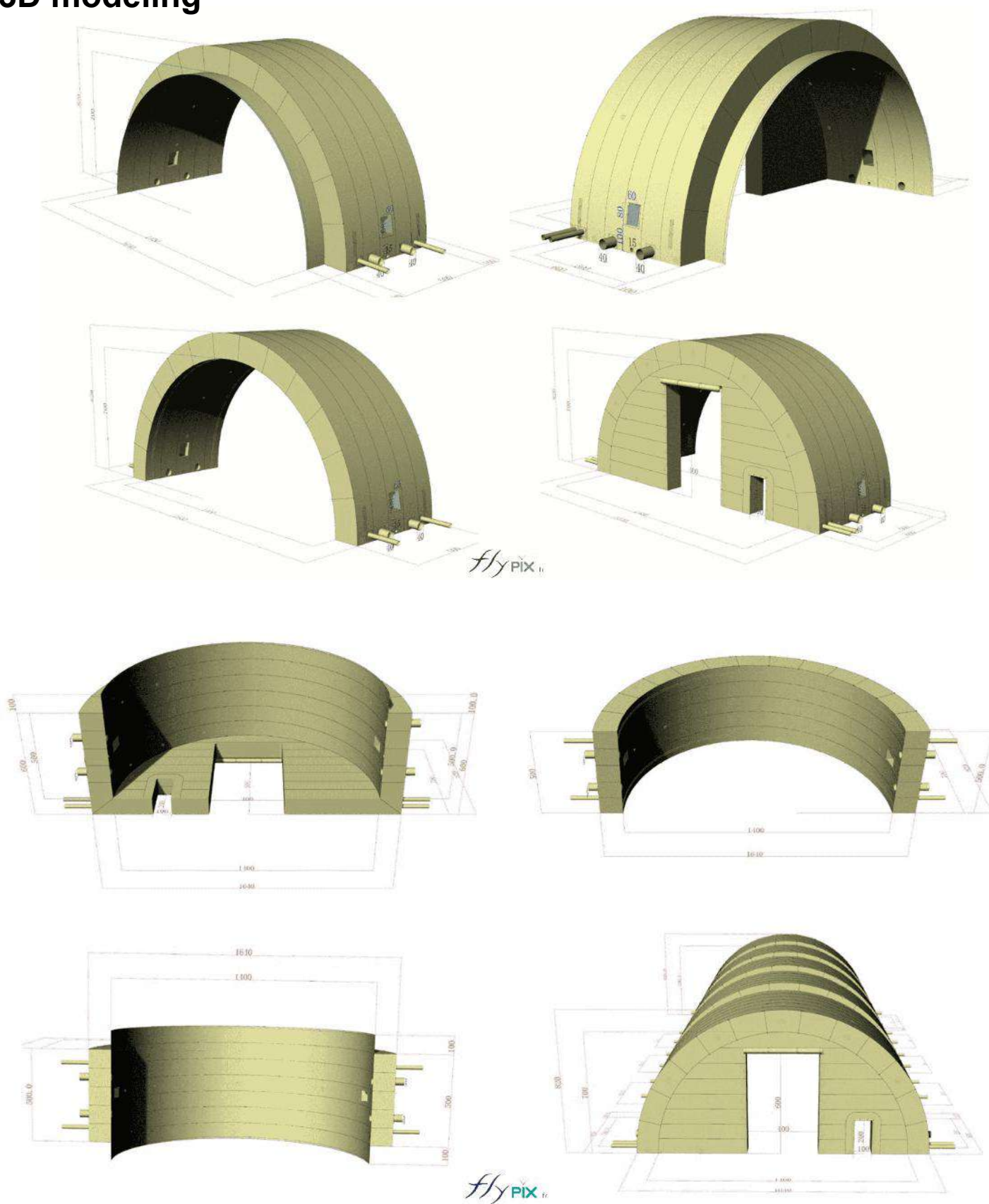
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## 3D modeling

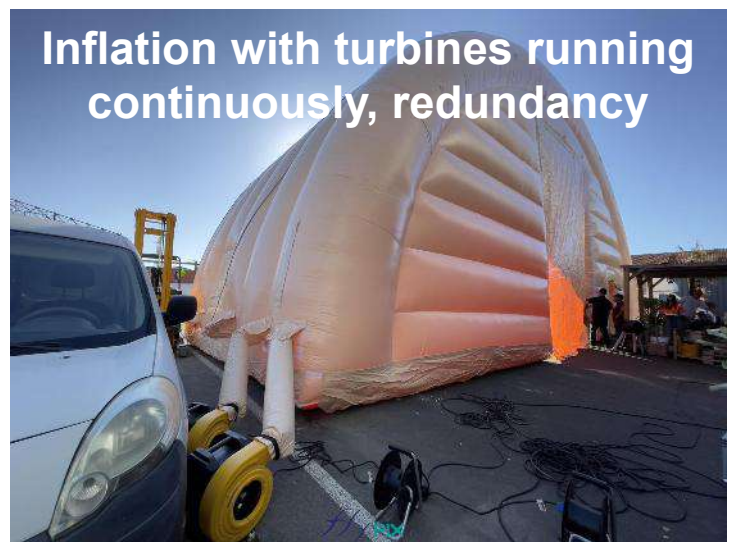
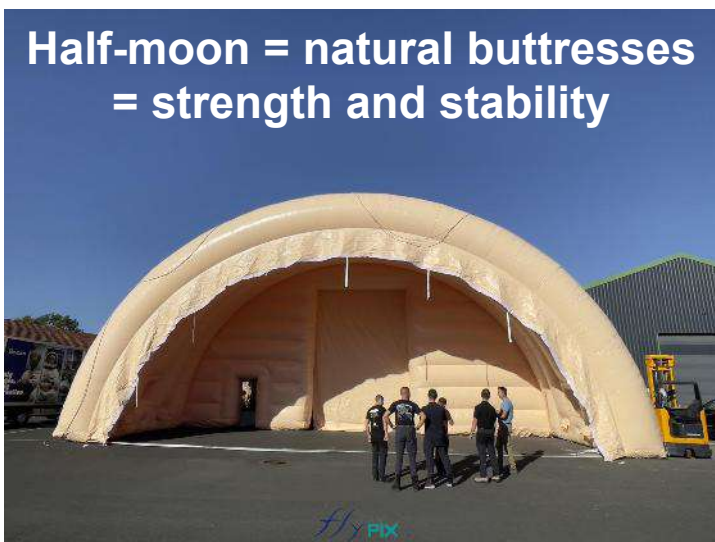
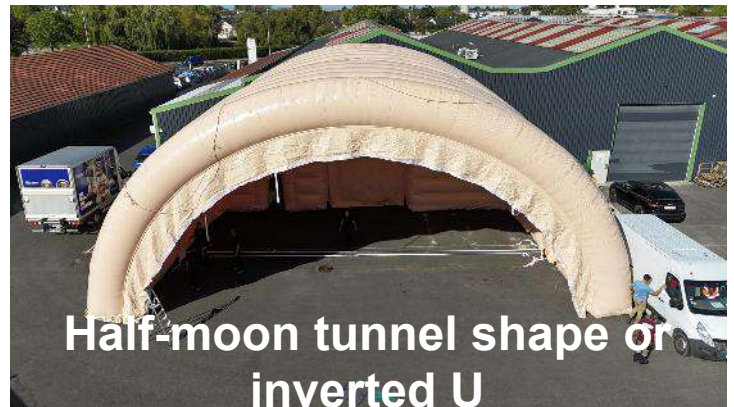




## 3D modeling

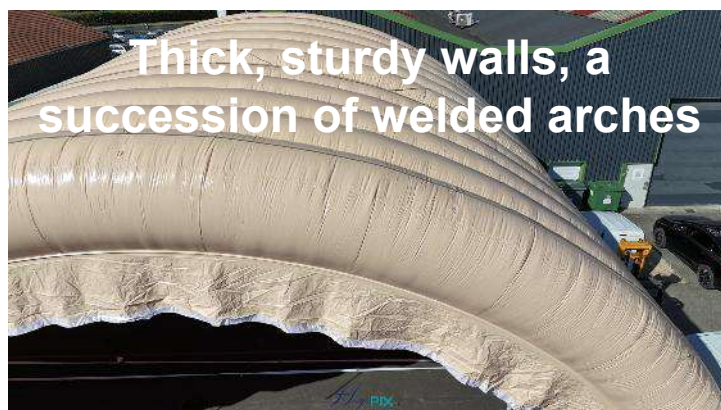


## General presentations of the inflatable hangar



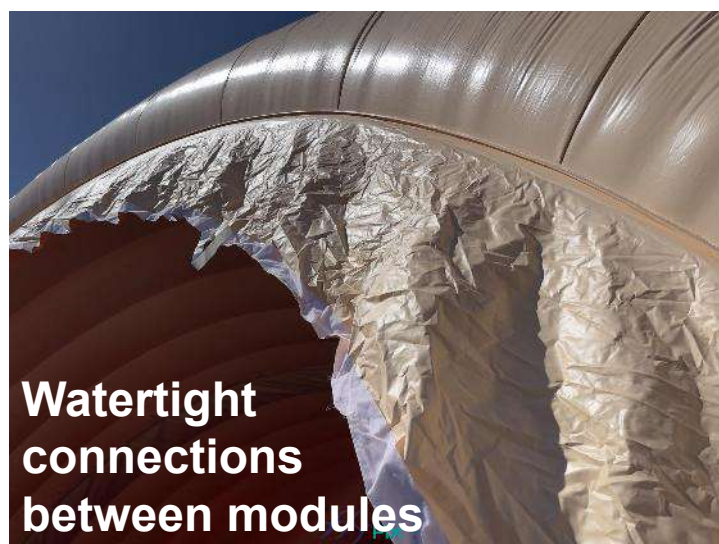


## General presentations of the inflatable hangar



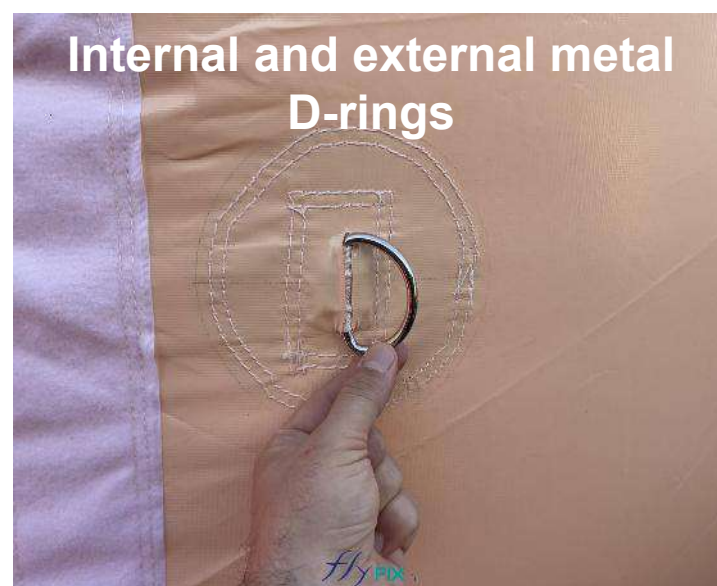
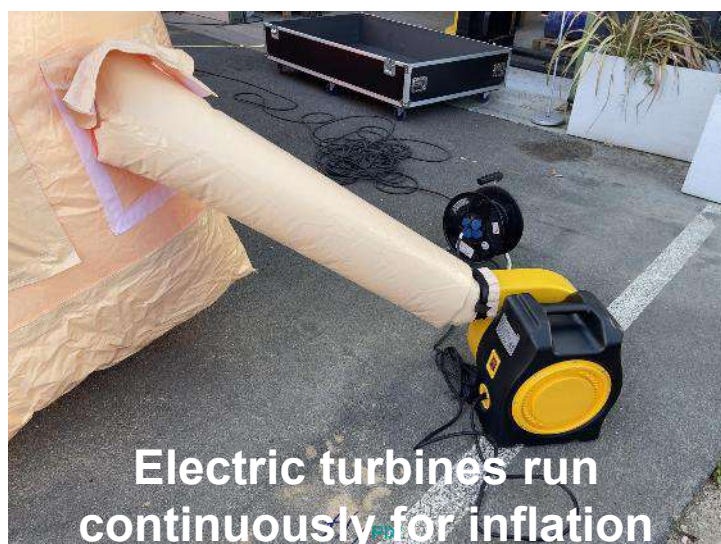


## General presentations of the inflatable hangar



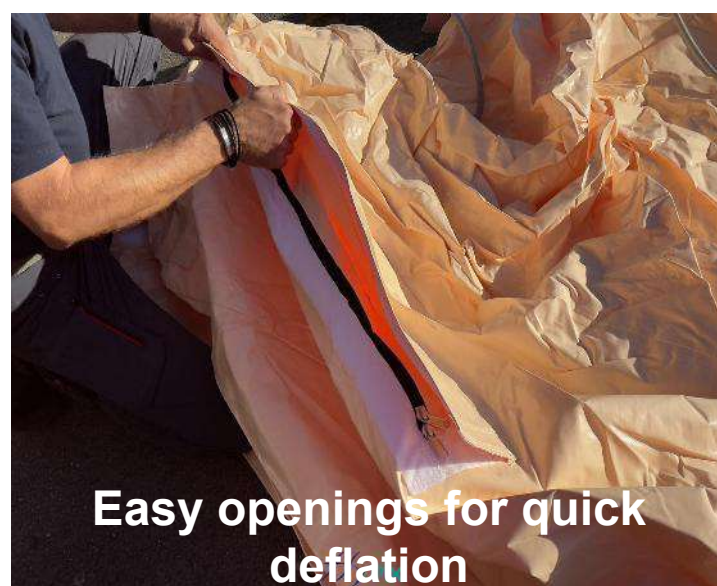
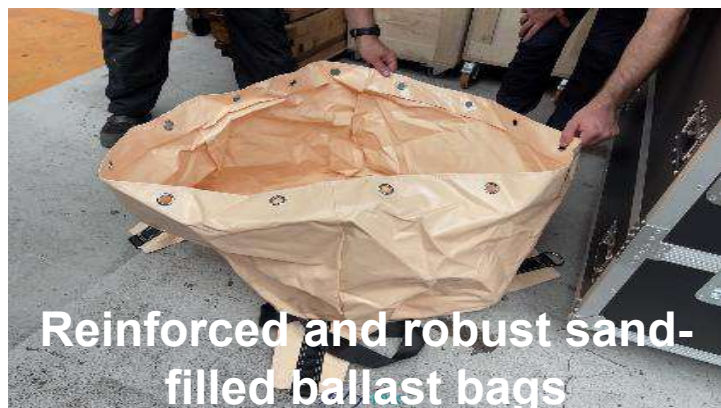


## General presentations of the inflatable hangar





## General presentations of the inflatable hangar





## Examples of ballast systems for inflatable hangar modules



Big bags to be filled with sand



Water tanks (cubes)





## Storage bags and reinforced flight cases with wheels

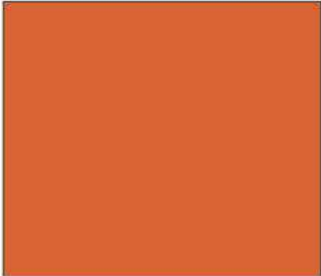
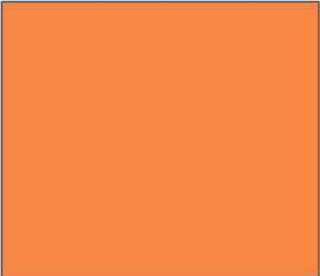
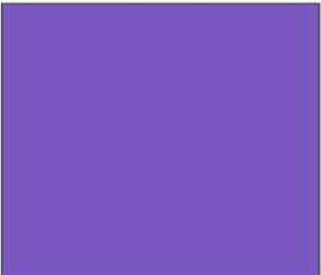
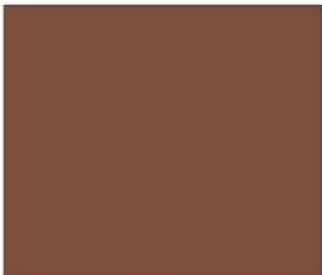
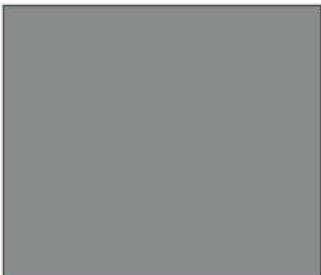




## Pantone color chart of available colors

- 0.45 mm PVC casing,
- Weight: 500 g/m<sup>2</sup>,
- LNE France M2 fire safety standard.



|                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |
| Rose F11350 ~PMS 211C                                                               | Orange foncé C11441 ~PMS 1655C                                                      | Orange C11451 ~PMS 1575C                                                             | Bordeaux S11759 ~PMS 201C                                                             |
|   |   |   |   |
| Jaune C21173 ~PMS 108C                                                              | Safran C21152 ~PMS 143C                                                             | Beige C21357 ~PMS 148C                                                               | Bleu C31557 ~PMS 285C                                                                 |
|  |  |  |  |
| Bleu Marine C31891 ~PMS 2746C                                                       | Vert C71153 ~PMS 361C                                                               | Bleu Canard C71258 ~PMS 562C                                                         | Mauve C8646 ~PMS 2665C                                                                |
|  |  |  |  |
| Marron C6557 ~PMS 4705C                                                             | Gris C9606 ~PMS 423C                                                                | Blanc C4340                                                                          | Noir C5011                                                                            |



## Custom markings and printing available upon request

- Printed tarpaulin banners,
- Fastenings using Velcro strips,
- Large format printing available.





## Inflatable hangar: assembly and disassembly instructions

Video - assembly and disassembly : <https://youtu.be/BY4KTLhvwzY?si=H2YUYf35laPqNOpt>



The inflatable modules must be stored individually in their storage bag and their respective flight case. Protected from light, moisture and rodents.



The flycases (storage cases) are reinforced and fitted with wheels which allow for transport and rapid movement manually or with a side-loading reach truck.



Once the flight case is opened, the inflatable module is neatly stored in its storage bag, probably with other accessories present, depending on the case.



The storage bag containing the module must be carefully removed from the flight case using a forklift. Proceed and maneuver gradually, without rushing.



Position the folded module where you want it. Once placed on the ground, remove the storage bag to reveal the inflatable module.



## Inflatable hangar: assembly and disassembly instructions

Video - assembly and disassembly : <https://youtu.be/BY4KTLhvwzY?si=H2YUYf35laPqNOpt>



The inflatable module is folded and placed on the ground. Untie the knots and fasteners to free it.



After carefully checking that the ground is clean and free of sharp objects and obstacles, position the module and fully unfold it lengthwise.



Unfold the module fully across its width. Fine-tune the final positioning of the module to your liking.



Position the inflation air sleeve and attach it to the inflation turbine. Turn on the 220V electric turbine and let it blow air into the tubes and walls of the inflatable module, which will then inflate.



Allow the turbine to gradually inflate the inflatable structure. It is imperative never to switch off the turbine, which must be constantly powered.



## Inflatable hangar: assembly and disassembly instructions

Video - assembly and disassembly : <https://youtu.be/BY4KTLhvwzY?si=H2YUYf35laPqNOpt>



The inflation time of the module, depending on the dimensions and height, is quick, and requires between 10 and 15 minutes on average in this case.



Another air sleeve is available to accommodate a second redundant turbine, connected to a backup generator, to ensure inflation in the event of a power outage on the main network.



Noise reduction enclosures (-18 dB) and rain covers are available for placing the turbines inside. There is one enclosure per turbine. Place the turbine inside each enclosure individually.



The first module of the front sprocket is positioned and inflated; the turbine continues to pump air. Position the second module and fully unfold it to inflate it, using the same process.



The second module and subsequent modules must be positioned correctly, lengthwise, one after the other. The modules must now be connected correctly.



## Inflatable hangar: assembly and disassembly instructions

Video - assembly and disassembly : <https://youtu.be/BY4KTLhvwzY?si=H2YUYf35laPqNOpt>



Next, the modules must be lowered: turn off the turbines and open the openings (deflation zip) to gradually expel the air and empty the walls and frames.



The modules will deflate gradually; please ensure there are no obstacles, ladders, or objects that could puncture the walls during this process. There must be nothing underneath the modules.



Position yourself under the modules and attach the Velcro strips between the two modules and the fasteners to the rings. With several people doing this, the operation can be completed quickly.



The corresponding Velcro fasteners must be attached, and the ropes must be attached to the metal D-rings underneath, along the entire radius of curvature of the modules.



Close the deflation zippers and allow the inflatable structures to gradually reinflate. Now the modules are assembled and connected. Repeat this process for the remaining modules.

## Inflatable hangar: assembly and disassembly instructions

Video - assembly and disassembly : <https://youtu.be/BY4KTLhvwzY?si=H2YUYf35laPqNOpt>



The junction between the different inflatable modules should have this appearance once connected together.



The two modules are then properly connected and the junction is perfectly watertight.



Complete deflation of the modules: switch off all electric turbines and open all deflation zips. The air will escape and the modules will deflate gradually.



Once the modules are on the ground, undo all the Velcro connections and all the joining fasteners between the different modules.



Roll the module on the ground to expel any remaining air inside. This must be done for each module.



## Inflatable hangar: assembly and disassembly instructions

Video - assembly and disassembly : <https://youtu.be/BY4KTLhvwzY?si=H2YUYf35laPqNOpt>



Fold the module completely along its entire length to remove the air.



Once you reach the end, unfold the module lengthwise.



Fold the sides and begin the final folding of the module. Store the halyards inside.



Fold the module completely all the way to the end.



Carefully check the width and height dimensions of the folded inflatable tube to ensure that it fits properly in the flight case storage box.

## Inflatable hangar: assembly and disassembly instructions

Video - assembly and disassembly : <https://youtu.be/BY4KTLhvwzY?si=H2YUYf35laPqNOpt>



Once the module is folded correctly, secure the fasteners and straps to keep it folded.



Position the folded module vertically.

**Reminder: The module must be clean, washed, cleaned, and dried before being folded and stored in the bag and flight case!**



Place the module storage bag.



The storage bag protects the folded module.



Next, place the storage bag containing the module into the flight case. This operation is delicate! Carefully check the dimensions of the folded module. Protect your fingers, hands, and feet during handling. Wear gloves.



## Inflatable hangar: assembly and disassembly instructions

Video - assembly and disassembly : <https://youtu.be/BY4KTLhvwzY?si=H2YUYf35laPqNOpt>



Check that the module is correctly positioned in the flight case, properly centered.



Here is the storage bag with the in-situ module, properly positioned on the lower tray of the flycase.



All that remains is to place the top part of the box to close it and fully protect the bag containing the module.



Two or three people can move the flycase, which has wheels underneath. Observe your surroundings carefully during this operation.



Store the flight cases in your workshop or storage area, in a sheltered location. Take good care of the flight cases and their contents.

## Other examples of inflatable hangar projects

### Videos - playlist :

<https://youtube.com/playlist?list=PLJN9CI-mhN1tcuqtW9CaFWGlplzNPjcs&si=v2bC6Vsk0-wGtu7z>



### VALGO

**Inflatable hangar of 400 m<sup>2</sup> for site remediation work, excavation of polluted soils, odor filtration.**

Read : <https://www.tente-industrielle.fr/2026/03/31/chantier-de-depollution-de-site-2-modules-de-hangar-gonflable-de-s-200-m2-soit-s-400-m2-de-surface-utile-de-travail/>

### Vidéos :

<https://youtu.be/7-XGrhRNbcQ?si=7oVZJH4UcapWnfYH>  
[https://youtu.be/0NsV3H\\_Xmlc?si=RMj\\_0yLdKJWwiIVY](https://youtu.be/0NsV3H_Xmlc?si=RMj_0yLdKJWwiIVY)  
<https://youtu.be/gZF-AsQbxGI?si=UDT8t2VJKOnHzcOe>



### THALES

**Inflatable hangar of 50 m<sup>2</sup> and 6.5 m high, in the shape of an inverted U, for the maintenance and repair of large military machines.**

Read : <https://www.tente-industrielle.fr/2025/12/15/thales-une-tente-de-chantier-en-enveloppe-double-peau-capitonnee/>

Vidéos : [https://www.youtube.com/watch?v=QV0o6HLB7wk&list=PLJN9CI-mhN1tTodM3JXWalc5jnDlInng\\_h&index=1&ab\\_channel=StructuresGonflablesFlyPix](https://www.youtube.com/watch?v=QV0o6HLB7wk&list=PLJN9CI-mhN1tTodM3JXWalc5jnDlInng_h&index=1&ab_channel=StructuresGonflablesFlyPix)



### CNES

**Inflatable aeronautical hangar in the shape of a tunnel, 500 m<sup>2</sup>, for the maintenance of helium airships.**

Read: <https://www.tente-industrielle.fr/2025/12/15/tente-gonflable-air-captif-double-capitonnee-pour-le-cnes/>

See more of our work here : <https://www.tente-industrielle.fr/blog/>



## Other examples of inflatable hangar projects

### Videos - playlist :

<https://youtube.com/playlist?list=PLJN9CI-mhN1tcuqtW9CaFWGlelpzNPjcs&si=v2bC6Vsk0-wGtu7z>



### EDF

2 half-moon tunnel hangars, of 56 m<sup>2</sup>, for the storage of equipment and machinery as part of a construction site on the site of a hydroelectric dam.

Read : <https://www.tente-industrielle.fr/2026/01/08/edf-a-ventav-on-2-modules-tunnels-l-8-m-x-l-7-m-h-4-m-s-56-m2-air-captif-en-veloppe-pvc-0-6-mm-double-peau-capitonnee/>

### Vidéos :

[https://youtube.com/playlist?list=PLJN9CI-mhN1uVyoc4KoaDUYxys-rgd-3m&si=OdlnLLg0c\\_5qZrIV](https://youtube.com/playlist?list=PLJN9CI-mhN1uVyoc4KoaDUYxys-rgd-3m&si=OdlnLLg0c_5qZrIV)



### ALTRAD / PREZIOSO

Inflatable hangar of 165 m<sup>2</sup>, in the shape of an inverted U, for an industrial site.

Read : <https://www.tente-industrielle.fr/2025/12/15/altrad-prezio-so-grand-hangar-gonflable-industriel-air-captif-enveloppe-pvc-0-6-mm-double-peau-capitonnee/>



### NEXTER

Inflatable hangar of 250 m<sup>2</sup>, in the shape of a half-moon tunnel, for the storage and maintenance of military equipment and military vehicles.

Read : <https://www.tente-industrielle.fr/2026/01/07/nexter-un-gr-and-hangar-gonflable-militaire-forme-tunnel-enveloppe-pvc-dou-ble-peau-capitonnee/>

See more of our work here : <https://www.tente-industrielle.fr/blog/>

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## Services & guarantees

- Our experience and expertise, our responsiveness, our client references,
- Custom manufacturing, by us, in France, in our workshops,
- Project monitoring and support from our technicians and engineers, before, during, and after delivery,
- High-quality PVC materials, resistant, strong, and durable,
- Certifications: LNE France type M2 fire resistance standard (not type M3, which is insufficient) for PVC (very high level of fire protection),
- Certifications: CE electrical standards for turbines and electric pumps, pressure regulators,
- 1-year manufacturer's warranty, after-sales service included,
- Telephone support,
- Maintenance and repair service in our workshop or on-site.



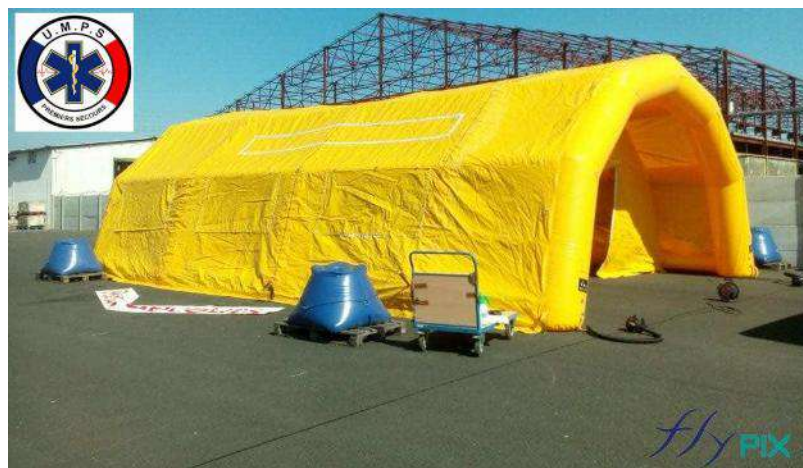
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- Our blog about inflatable medical tents : <https://www.tente-pma.fr/category/blog-tente-pma-militaire-corps-etat/>
- Our blog about industrial inflatable tents : <https://www.tente-industrielle.fr/blog/>
- Our website about trade show booths : <https://stand-creation.com/>
- Our YouTube channel : <https://www.youtube.com/channel/UCryYP3OT6vHUydlcJHjqPpw>



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## Contact

Vivien Laïlle

**FlyPix**

- M. +33 (0)5 62 07 21 66
- P. +33 (0)6 95 34 35 45
- 17 lot la Bourdette, Route de Grenade, 32600 Isle Jourdain, France