



Build your MODUL'ERE shelter



Our production site is ISO 14001 certified. This signifies that we are committed to implementing measures that reduce our impact on the environment



ECODURABILITY

We at ABRI PLUS EQUIPEMENT, specialists in the manufacturing of urban furniture, understand that respect for the environment is an integral part of our development. This is why the material that we use is in line with our model of sustainable development.

Galvanized steel

Zinc is a natural element that's present in water, air and soil. All forms of life on earth have evolved in the presence of natural concentrations of zinc. It is an essential element for all life forms, from the tiniest micro-organism up to the human being.

The combination of zinc and steel results in :

The prolonged life of our products (protecting the steel against corrosion)

The ease of recycling has given a new life to the two metals.

The use of galvanized steel contributes to the conservation of resources such as iron ore and energy.

Glass

It does not contain any toxic substances and is very resistant to deterioration. It is an inert material that is completely recyclable.

Polycarbonate

It consists of a high-quality plastic that retains the same characteristics even after recycling: The polycarbonate is transformed into reusable granules that are used for different purposes (roads, car bumpers, plexiglass windows...)

Wood (FSC)

Wood is a raw material respectful of the environment. The manufacturing process consumes less energy than for other construction materials. The largest part of energy consumption comes from the use of by-product bioenergy.

Waste management

Our installation teams are sensitive to the management and sorting of waste. To limit waste, we use the following guidelines:

The majority of our parts are transported on reusable steel frames.

The plastic packaging film is collected by our teams and brought back to our workshop and placed in a dedicated bin.

The protective foams are saved and reused.

The cartons are returned, sorted, and placed in a dedicated bin.



THE MODUL'ERE et VEL'HOP CONCEPT!

The concept : modularity and evolutive design

The MODUL'ERE bike shelter is a unique concept today. The shelter is entirely modular in terms of size, but also in functionality and appearance. Several options are available to allow this structure to blend perfectly into the landscape.

Modular in size : The standard shelter, with a floor area of 26 m², is 6.5 m by 4 m, can be infinitely enlarged by 2 m increments according to need. The standard 6.5 x 4 m structure can easily be accommodated on 3 parking spaces—making it ideal for placement in the city.



Modular in functionality : The entrance assembly is separate from the shelter structure. For simplicity, we positioned it in the centre of the shelter. As such, the shelter is accessed by a central walkway measuring 2.3 m in length with the bicycle storage lockers located on either side in a 2 m space. Alternatively, if the setup so requires, the entrance can be placed anywhere the customer wishes, along with the choice of siding. Thus it is possible to suggest another use for the structure, such as a repair/service area.

Modular in aesthetics : Just as with the entrance assembly, the siding is independent of the structure, so it is possible to make any modifications to the same shelter for the desired use: type of siding, opt for a more exposed front or perforated sheet metal in one area, and in another area, perhaps one that's more visible, glass or bars. We can accommodate any siding that the customer selects, such as a painted steel plate, a screenprint, or wood siding. This allows the widest choice..

In the event of repeated vandalism, we can change glass siding for mesh without modifying the rest of the structure.

Modular in the contents : We are also pleased to offer our split-level bike support system, VEL'HOP. It is possible to install the lower part (1st level) and then build upwards as your shelter increases in capacity. It's easy to add the additional level to the VEL'HOP support.





THE STRUCTURE

Height : 2.80 m beneath eaves



Construction :

- The galvanized steel tube frame is made from :
- Posts, cross-frames, beams of square tubes measuring 80 x 80 x 3 mm
- Galvanized steel gutters that allow for rainwater drainage behind the shelter through a tube measuring: 60 x 60 x 2 mm
- Tubular roof arches in arched rectangular tubes measuring 80 x 40 x 3 mm
- Adjustable 200 x 200 x 5 mm platform feet
- Stainless steel class A2 construction screws
- Roof of galvanized sheet metal with 1.5 mm reinforcing pleats attached to the roof arch and the centre beam. Sheet metal painted on one surface (exterior of the shelter).
- Attachment of roofing sheet metal waterproofed with smooth foil.
- Roof in 10-mm thick, honeycombed, anti-UV-treated polycarbonate.
- The alveolar polycarbonate is secured by galvanized steel sheets, 1.5 mm thick with reinforcing pleats.
- Assembly with class A2 stainless steel screws

Finish :

- Polyester thermosetting powder paint baked at 200° C, impenetrable by UV light.
- Choice of any colour in the RAL line

Siding :

- Choose any of the following: wood, mesh, glass, decorative bars...

Attachment to the ground :

- M12/65 anchorage screws are used to secure the structure to a concrete slab or coated concrete blocks
- Secured by dual-component chemical resin with 2 M12/120 threaded rods placed on top at 5 to 7 cm

Guarantee :

- 10 years, parts and labour, except vandalism, accident, or storm (wind > 130km/hr)



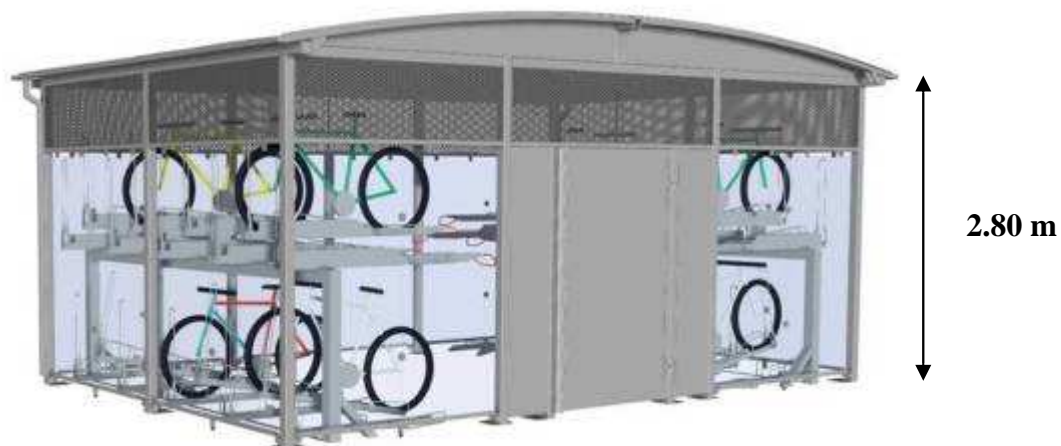


SELECT A HEIGHT



Height : 2.20 m
beneath eaves

Ideal for areas that do not require a lot of room for parking



Height : 2.80 m
beneath eaves

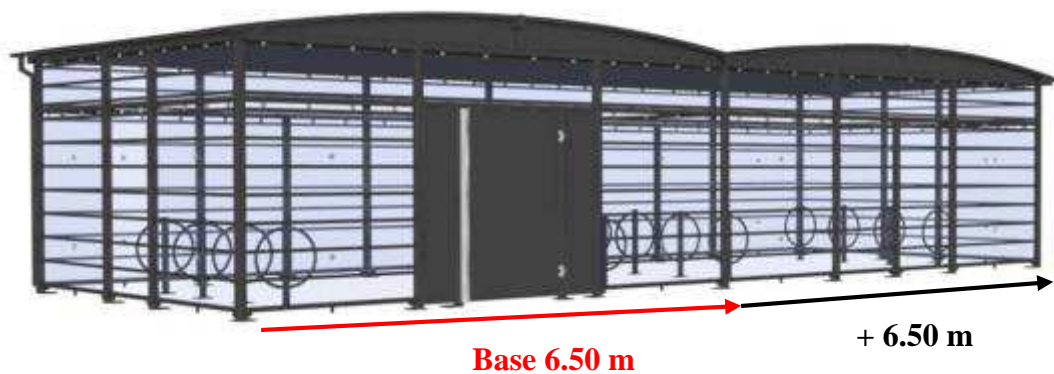
Allows for an increase in storage capacity without modifying the structure itself



SELECT A SIZE



Dimension	Height 2.80 (Vél'Hop stands)
6.50 x 4.00 m	32 bicycles
6.50 x 5.00 m	40 bicycles
6.50 x 6.00 m	48 bicycles
6.50 x 8.00 m	68 bicycles
6.50 x 10.00 m	84 bicycles
13.00 x 4.00 m	56 bicycles
13.00 x 8.00 m	112 bicycles
Other dimensions upon request...	





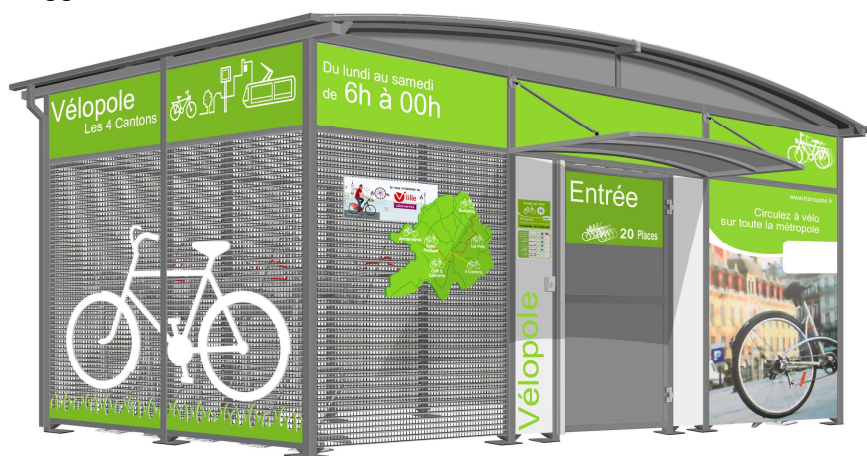
SELECT A ROOF

Basic unit : 6.50 x
3.00 m
(incrementally
expandable with
1.5 m panels)

We offer a headband roof with an overhang in order to blend seamlessly into an urban setting without overdoing it, while still respecting the existing architectural spirit.



Or we can suggest a rounded roof...



...or a peaked roof.





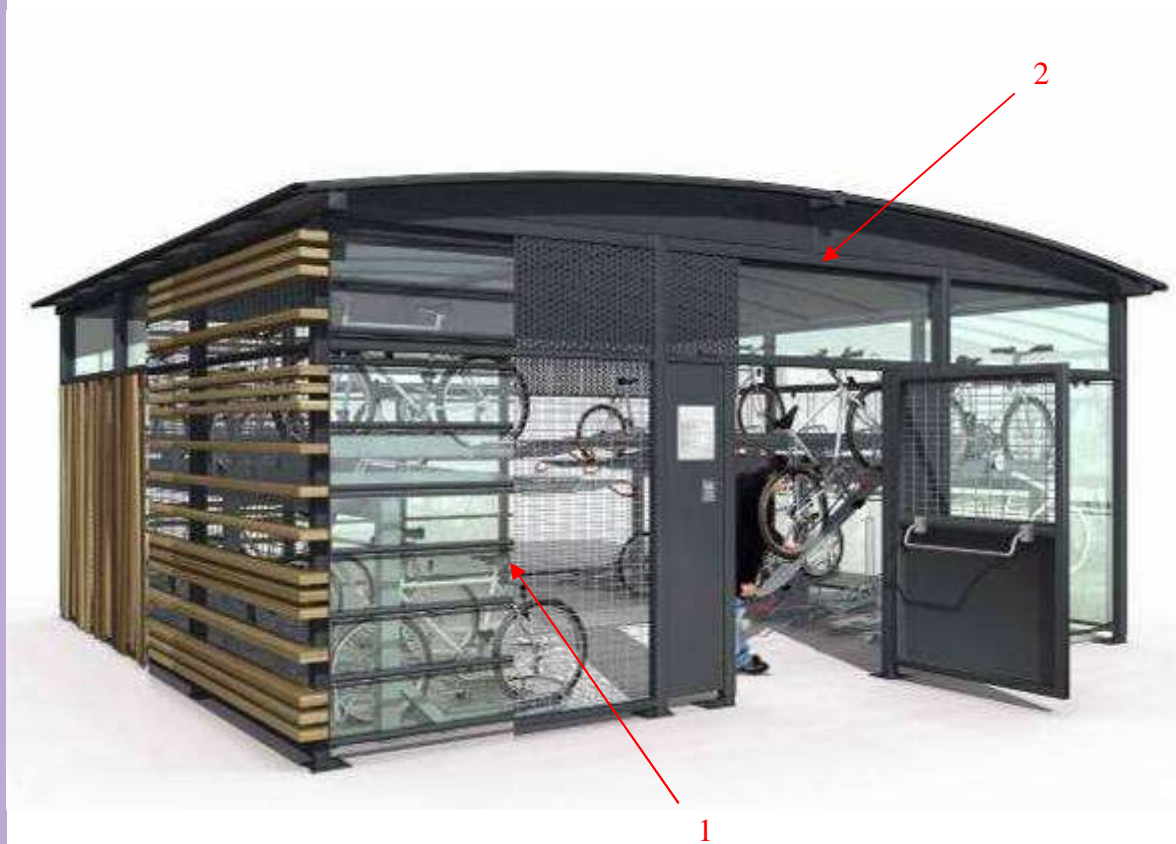
SELECT THE SIDING

What makes our shelter novel is the possibility of modifying the siding panels without having to change the structure itself. It is even possible to combine different styles on the same frame or on the same shelter.

MODUL'ERE is made from 2 different types of frames that can be fitted with the same siding, or you can 'mix and match' the siding on the bottom, main frame (1) and the top frame(2)

In the event of repeated vandalism, the siding can be replaced during the life of the shelter.

We offer a wide selection of siding. It is also possible to use other types of siding of customer's choice..



All the frames (high and low) are available in the different types of siding listed below:



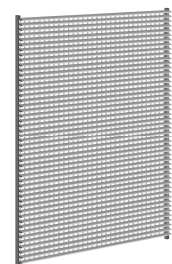
Perforated sheet metal

Galvanized perforated sheet metal, 2 mm thick, with crimped edges for strength reinforced ply, 2 mm in width
 The bottom rail of 80 x 40 mm rectangular tube, 3 mm thick
 Secured to the structure by 12 class A2 stainless steel screws (for security purposes)
 Polyester thermosetting powder paint is available in any colour in the RAL line



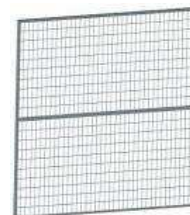
Ribbed perforated sheet metal

Panels in ribbed steel perforated sheet metal (TPN 200 C 18 U23) secured with class A2 stainless steel screws to a 35 x 35 x 4 steel angle
 Finish: Hot-dipped galvanization
 Polyester thermosetting powder paint is available in any colour in the RAL anti-graffiti line



Mesh

Framed with 40 x 25 x 4 mm steel angles
 Welded mesh 100 x 50 x 6 mm welded to the interior of the frame
 Secured to the structure with class A2 stainless steel screws
 Finish: Hot-dipped galvanization
 Polyester thermosetting powder paint is available in any colour within the RAL line



Closely-spaced bars

Bars of steel tubing Ø 21.3 and 2 mm thick, welded to a 40 mm wide steel plate 5 mm thick (spacing between bars 130 mm)
 Secured to the structure with class A2 stainless steel screws
 Finish: Hot-dipped galvanization
 Polyester thermosetting powder paint is available in any colour in the RAL line



Plain sheet metal

Galvanized, painted steel sheet metal
 Secured to the structure with class A2 stainless steel screws
 Finish: Hot-dipped galvanization
 Polyester thermosetting powder paint is available in any colour in the RAL line



Light wood paneled siding

46 x 46 mm larchwood battens planed on all 4 faces and with rounded edges, 65 mm apart, secured with class A2 stainless steel screws to a 35 x 35 x 4 steel angle (Several finishing oils are available to vary the colour. All of our wood is FSC certified.)
Larch is a wood naturally produced in French forests.





Widely-spaced bars

Bars of steel tubing Ø 35 and 2 mm thick, welded to a 45 mm wide steel plate 5 mm thick (spacing between bars 280 mm)
 Secured to the structure with class A2 stainless steel screws
 Finish: Hot-dipped galvanization
 Polyester thermosetting powder paint is available in any colour in the RAL line



Random vertical bars

Steel tubes welded to the front and the back of the outside frame of round tubing 25 mm in diameter and 1.5 mm thick, or 25 mm square tubing 1.5 mm thick.
 Secured to the structure with class A2 stainless steel screws
 Finish: Hot-dipped galvanization



Security glass

Siding in transparant security glass 10 mm thick
 Steel U 2.5mm thick on the lower section (painted the same colour as the shelter)
 Secured to the structure by:
 1 steel plate 10mm thick on the lower section
 4 aluminium plates on the upper section
 Security glass with a logo, or a safety strip
 Secured to the structure with class A2 stainless steel screws



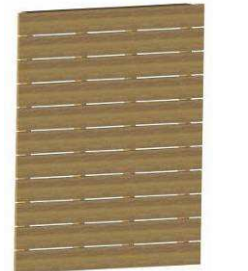
Horizontal wood

95 a 45 mm larchwood slats planed on all 4 faces secured to the frame with class A2 stainless steel screws (Several finishing oils are available to vary the colour. All of our wood is FSC certified.)



Wood paneling

Douglas fir paneling, planed to measure 21 x 145 mm, class IV treated
 Wood section: 36 x 72 mm
 Secured to the structure with class A2 stainless steel screws



Others

We are open to your suggestions for additional siding options





Visuals



Siding:
Top frame: Safety glass
Bottom frame: mesh and random vertical bars



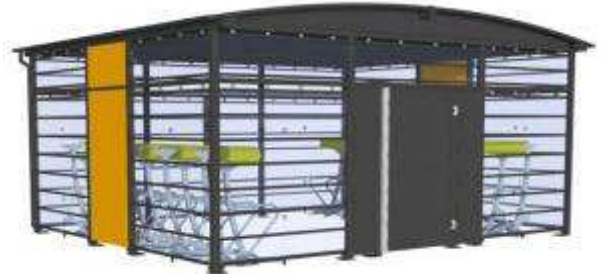
Siding:
Tempered security glass and bars



Siding :
Top frame: Safety glass
Bottom frame : mesh and vertical wood strips

Sheet metal siding on a portion of the shelter

For better visibility, we suggest you **replace**



a portion of the siding by a metal sheet wall that can serve as a billboard, or have a coloured surface that can help the shelter blend in with its surroundings.





CONSERVE VISUAL IDENTITY WITH THE OPEN AIR MODUL'ERE



This shelter, identical to the construction of the closed one, in the standard unit measurement of 4m x 2m, has a 10-bicycle capacity. Additional support options are available with the Romeo bicycle support, and can be infinitely expanded with additional modules..

As with its predecessor, the exterior siding is strictly identical (frames measuring 2 m x 2 m), so you can add identical frames, or you can 'mix and match'. The siding can also be changed during the life of the shelter to accommodate a change in function, or simply at the whim of the owner.



SELECT THE DOOR

Open

The doorless shelter offers a covered parking solution while keeping the space organized. Access is free to users who are securing their bikes by their own means.



Technical description of the door assembly (base)

Doorframe posts in 80 mm square tubing measuring, 3 mm thick

The high cross-frame of 80 x 40 mm rectangular tubing 3 mm thick (intermediate cross-frame of the shelter)

Door: Structure in 40 x 40 x 20 mm Forster profile

Sheet steel filling sheets 2 mm thick with diamond-point crimping

The doorframe juncture with the structure is made from steel sheets 1.5 mm thick, reinforced with diamond point crimping

Finish: Hot-dipped galvanization

Polyester thermosetting powder paint is available in any colour in the RAL line



Door assembly kit includes :

- Ergonomic door handles made from 2 enclosed stainless steel electromagnetic pads (Resistant to 300 Kg of pressure each) allowing the locking mechanism to be controlled by a keypad, badge reader, or other device. The band covering the entire top of the door protects the pads and prevents use of a crowbar to force an opening.

- ACCU 12V / 7AH powered by 230V/24V DC / 2A with a safeguard in case of a power outage .

- An interior stainless steel **exit** button inaccessible from the exterior

- In case of malfunction, an « emergency exit » button accessible by breaking the glass, and inaccessible from the exterior

- A TSA 160 motor-driven opener operated on a timer. The TSA160 is a hydraulic electrical swing door operating by an electronic system. It works with a system of hydraulic pumps once the door is opened. The door closes through the use of a spring closing mechanism and adjustable hydraulic valves. Its force is adjustable without scaling in accordance with French norm EN1154, force EN 3 to 6, adapted to the size of our door.



- A metal case with exterior key access for maintenance access with a European semi cylinder. This case is compatible with the DOM standard.

- An exterior stop mounted on the door protects the stainless steel structure (Ø 40mm height 37mm).

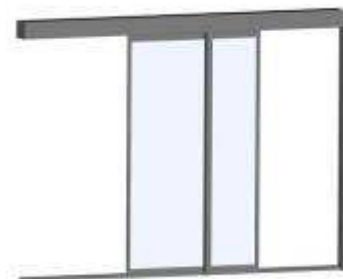


- **A brushed stainless steel metal sheet 1.5 mm thick at the base to protect the door.**

- The door and the structure are equipped with plates having an access hole in order to allow for locking with padlocks, with a European style barrel lock during periods of malfunction.

Padlocks

Sliding glass door



Door assembly components include :

ESTAL mechanism

Encasement framework in extruded aluminium attached by hinges

Self-supporting, extruding aluminium profile plates allows for securing between walls

Clear 55/2 laminated glazing

Lacquer finish from the RAL line

Push-button opener on the interior

Motorized locking device with a long bolt guaranteeing exceptional protection

An anti-panic device incorporated into the mechanism, designed to open the door (if unbolted) in case of a power outage.



Security lock

First level of security: The door is locked by a key system, distributed to more or less identified users. Type of door corresponding to this access system: swing door with key lock (keys that are impossible to copy are available on request)

Door assembly components include:

- Anti-vandalism handle accessible by key

- Anti-panic bar, tested 200 000 times

- « Design » door latch system with anti-vandalism handle

Clipped hood: invisible installation



Digicode electronic mechanics

The door is locked by a digicode system, a code given to those using the shelter. Type of door corresponding to this access system: swing door with digicode.



- Mechanical code lock. Frequency of use recorded (max 80/day)

- « Design » door latch system with anti-vandalism handle

Clipped hood: invisible installation

Badge reader or transport card

Allows for the management of entry/exit by identifiable parties. Possibility to lock the shelter and grant access only to those with a transport card, or an already existing badge.

Type of door corresponding to this access system :

- **Swing door with electronic lock and access pad:**

Door assembly components include:

Locking mechanism with a PUSH emergency exit series: a product associated with exit control and a panic function in accordance with safety and security regulations.

Simple opener with little use of force (<80 N)

Ergonomic door handles made from 2 enclosed stainless steel electromagnetic pads allowing the locking mechanism to be controlled by a keypad, badge reader, or other device.

- « Design » door latch system with anti-vandalism handle

Clipped hood: invisible installation. NF EN 1154





Building alarm

We will supply a soundless building alarm in accordance with the CDC. There are several solutions on the market including an automated 8-port Ethernet with a 3G router, but as functional needs must be detailed by the client, there is no specific system in place.

Extinguisher

Portable 6 kg ABC P.A. extinguisher.
Use of the maintenance guide for portable extinguishers is recommended. The apparatus is guaranteed by the manufacture for one year for parts and labour. Any tampering with the equipment voids the guarantee. The distributor or owner of extinguisher must verify and check each apparatus before it is placed into service.

Remote control emergency lighting

We will equip each shelter with waterproof remote-control emergency and protection equipment in the locker

General emergency power cutoff Counting equipment

A general emergency power cutoff will be installed in the shelter
The shelter will have counting equipment in compliance with standards

Tire inflation station

Approved case in conformity with the Regional Directorate for Industrial Research and the Environment.
The group of stations is mounted in a case submitted to the Regional Directorate for Industrial Research and the Environment, which seals it after verification. The obligatory notice of conformity is found on an approved placard visible on the front face of the apparatus, and which shows: the seal of approval, the obligatory CEE approval number F-02-H-044, the serial number of the case, and the name of the manufacturer.

Description:

- Case of brushed INOX 304 L stainless steel
- Integrated air compressor
- Maximum pressure 6 bars, equipped with a pressure regulator
- Approver circular manometer on the front
- + et - control button
- Flexible braided steel « anti-kinking » air hose, maximum length 8 m with a universal nozzle
- Automatic purging of the regulator filter
- Instructions for use on the front

The inflation station will be protected from vandalism by grill panels with openings at the level of the manometer and inflation hose.





Video protection

We suggest a solution based on a numerical encoder/recorder with an integrated hard disk for each bike shelter. This equipment will allow registration on the detector only of activity in order to maximize disk storage capacity, and ensure 48 hours of recording.

The systems can be connected to an information network so they can be used remotely.

The camera's mini dome is equipped with infrared LED lights for better night vision. They are anti-theft, colours / N&B (night / day)

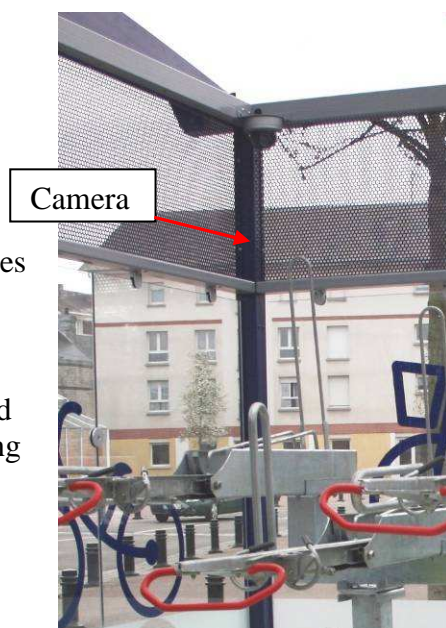
Specification for 1 shelter:

- 1 encoder / recorder 80Go, 2 video inputs, MPEG4/H264 & MJPEG, T° -30°C to +60°C
- 1 Power supply for the encoder / recorder
- 2 minidome infrared cameras, BNC plugs
- 1 power supply for the camera

The 2 cameras are installed at a height of 2.8 m. At this height they are able to cover both racks of bicycles and discourage vandalism.

An uninterruptible power supply will provide 10 minutes of backup for the equipment, in the event of a power outage.

A European, semi-cylindrical, independently ventilated enclosure is foreseen for storage of the hard disks holding the video data.





Instructional placards

Instructional placards for the racks and compressor are installed in the interior of the bicycle shelter.



Notice frames

2 A3 single-face interior or exterior frames for notices

- Made of anodized or RAL-lacquered aluminium
- PET anti reflection protection
- Easy opening and posting





CHOISISSEZ LES SUPPORTS VELOS

- **Dimensions**



The height of our shelter is 2.8 m under the eaves. It is of sufficient height to accept our two-level racks (Vél'hop). There is a 2.3 m aisle between the two-level racks, ensuring sufficient space for use of the compressor.



Sample view of a Vél'hop installation



Possible scenarios

- You choose to install « classic » supports, on one level, in one installation, inverted U ...

☞ See our Bike Support catalog

- You choose to install supports on 2 levels right away (the shelter will allow for this – 2.80 M in height)

☞ See our VEL'HOP catalog

- You choose to start with one level, with the possibility of installing another when there is a demand: install the base of our VEL'HOP and install the second at your convenience.

☞ Complete explanations are in our VEL'HOP catalog

Supports vélos

A retrouver dans notre présentation d'entreprise :

- Les services Abri Plus
- La qualité Abri Plus
- Le respect de l'environnement par Abri Plus

Tarifs disponibles sur simple demande

Une gamme complète répondant à vos besoins !

Le vélo est une alternative à la voiture de plus en plus utilisée. L'un des principaux freins au développement de ce moyen de transport est le peu de solutions en stationnement et de protection contre le vol. C'est pourquoi Abri Plus a créé sa propre gamme de support vélos/motos, pratique et innovant, permettant de répondre au différent besoins du client. Ces supports vélos sont modulables permettant ainsi une implantation plus facile des supports soit dans un abri, dans un bâtiment ou à l'extérieur.

Nos supports sont conçus, fabriqués, livrés et posés par nos propres équipes. Ils sont composés de modules allant du simple jusqu'à l'ère de façon à s'adapter aux besoins des PME comme à ceux d'un grand collège ou d'une agglomération.

Les usagers du vélo définissent un bon support vélos comme un support sécurisant la roue et le cadre du vélo.

ABRI PLUS

Abri Plus - 31 Rue de l'Industrie - Z.A. de Grand Lieu - 44310 ST PHILBERT DE GRAND LIEU
Tél. : 02 40 32 51 60 - Fax : 02 40 78 08 10 - e-mail : stephanie@abri-plus.com

vel'hop

Support vélos sur deux niveaux

Produit breveté, n° 1001288

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Tél. : 02 40 32 51 60 - Fax : 02 40 78 08 10 - e-mail : stephanie@abri-plus.com



Our shelters are easily modified and expandable in 1.5 m modules.



Below is a table summarizing the possible dimensions of our shelters and their capacities in terms of numbers of places.

Dimension	Height 2.80 (Vél'Hop supports)
6.50 x 3.00 m	18 bicycles
6.50 x 4.50 m	28 bicycles
6.50 x 6.00 m	38 bicycles
6.50 x 7.50 m	48 bicycles
6.50 x 9.00 m	58 bicycles
6.50 x 10.50 m	68 bicycles



COMPLETE YOUR SHELTER WITH AN AWNING

BIKE AWNINGS

In order to offer a self-service parking option, we suggest you equip your shelter with an awning. This solution will allow for a long-term, safe, parking solution in addition to the short term, all in one place.



Construction :

- Galvanized sheet steel roof 1.5 mm thick, painted on one side (exterior of the shelter).
- Intermediate arch of 80 x 40 rectangular tubing, 3 mm thick, curved to the radius
- Assembled with class A2 stainless steel safety screws
- Gutters of 80 x 40 rectangular tubing, 2 mm thick

For an awning with supports:

- Supports in 80 x 80 x 3 mm square tubing
- High arch cross members in 80 x 80 x 3 mm square tubing



Finish :

- Thermosetting polyester powder heated to 200°C, impenetrable to UV light.
- Choice of color from the RAL line

AWNING FAÇADE:

In order to protect users during opening of the shelter door, we have designed an awning that improves the comfort of the user.

Construction

- Galvanized steel tube frame
- Tubular structure measuring 60 x 30 x 3 mm
- 2 tie beams to balance the cantilever
- Cover in bronze-coloured PMMA COULE 3mm thick



Finish :

- Polyester thermosetting powder heated at 200°C, impenetrable to UV light.
- Choice of colour from the RAL line



ASSOCIATED SERVICES:

Shelter colours

Any colour from the RAL range can be selected.

Customization
Communication

Use your shelter as means to communicate your policies linked to the development of 'green' modes of transportation by way of stickers, placards or any other means of choice.



Lighting

All of our shelters are equipped with a lighting system, coupled with a motion detector and control panel.



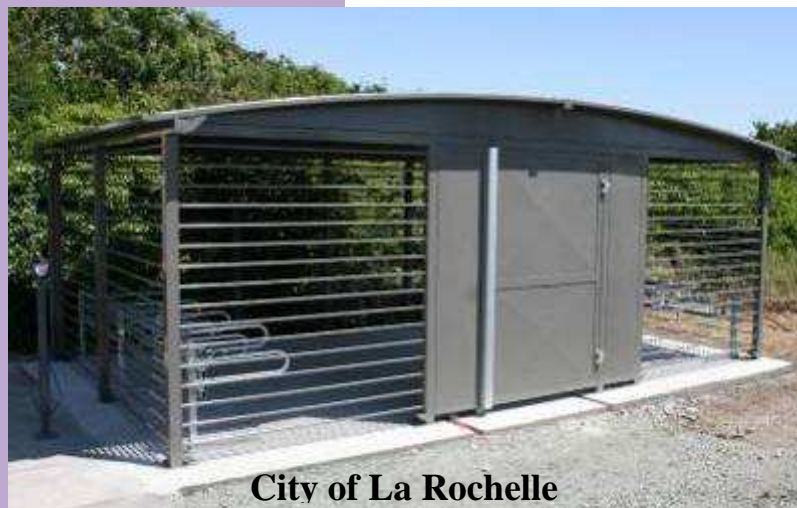
After-sale service

The shelters from the ABRI PLUS Equipment line do not require any particular maintenance (aside from cleaning). However, certain parts can be replaced following accidents or acts of vandalism. The shelters are designed to facilitate the replacement of these parts. Our shelters are very easy to disassemble, and all components are available through customer service.





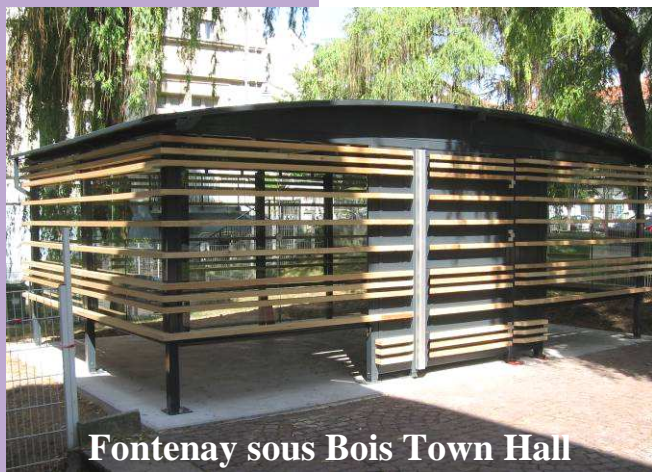
RECENT COMPLETED PROJECTS...



City of La Rochelle



Seine et Marne Dept.

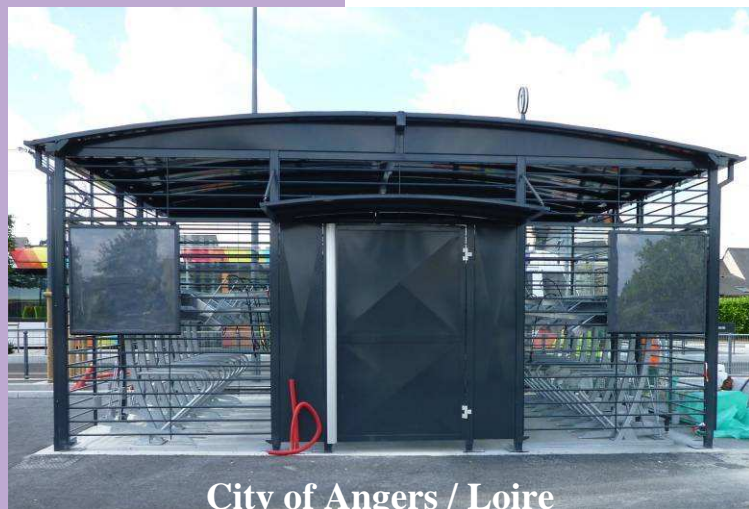


Fontenay sous Bois Town Hall

Shelter with low walls (designed by the client)



City of Chartres



City of Angers / Loire



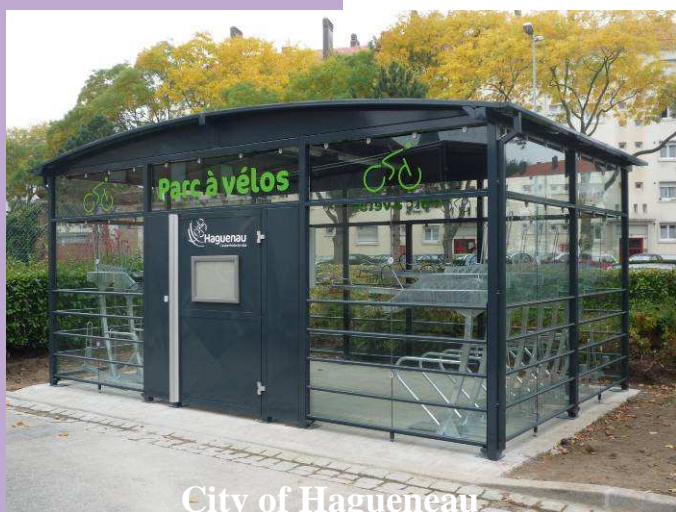
France Télécom in Rouen



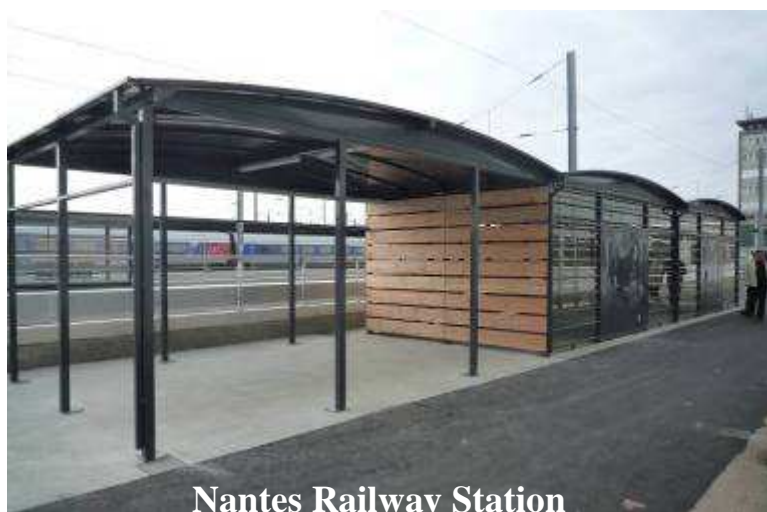
City of Marcq en Baroeul



City of Nantes



City of Haguenau



Nantes Railway Station



City of Rouen



City of St Nazaire