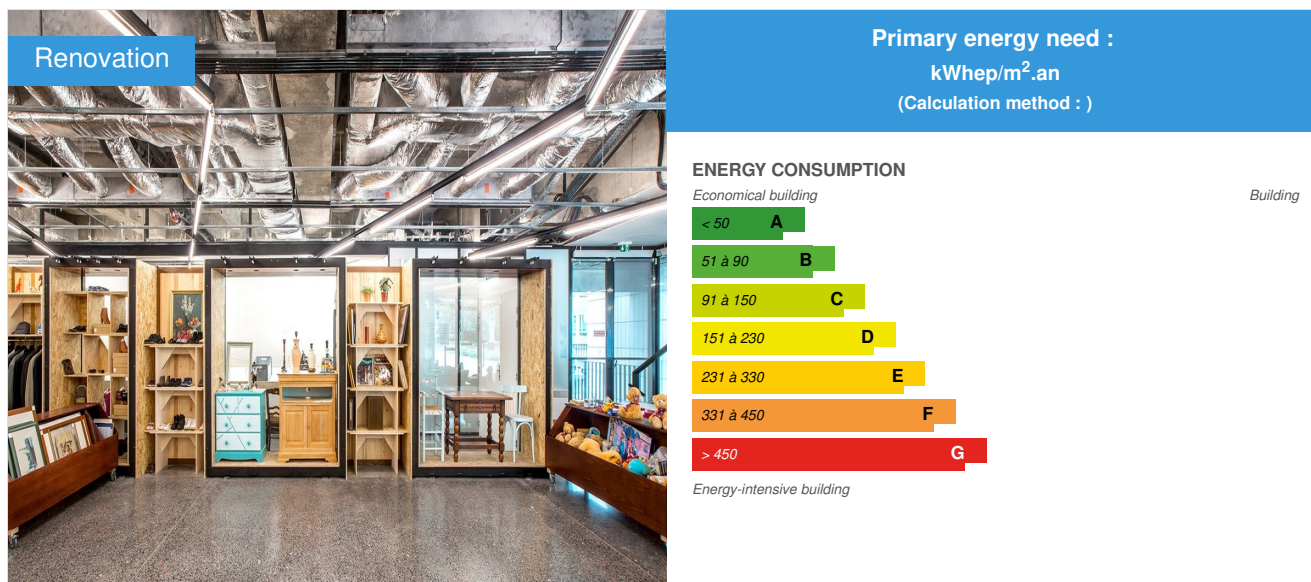


The ephemeral and circular resource center for the Salvation Army Foundation

by [minh man nguyen](#) / 2021-06-15 00:00:00 / France / 3170 / FR



Building Type : Museum
Construction Year : 1994
Delivery year : 2021
Address 1 - street : 23, allée de la 2ème DB 75015 PARIS, France
Climate zone : [Cfb] Marine Mild Winter, warm summer, no dry season.

Net Floor Area : 300 m² SHON RT
Construction/refurbishment cost : 60 000 €
Cost/m2 : 200 €/m²

General information

REI Habitat and Sem **PariSeine**, winners of the second Réinventer Paris competition with their **Oasis** project located in the former Liberation Museum located in the Jardin de l'Atlantique, welcomes, in a transitional urban planning approach, **the Salvation Army** to open an ephemeral resource center. The multidisciplinary architecture agency WAO proudly designed this pragmatic and circular interior design project. Committed to the process of reducing waste and virtuous design, it wanted to make the most of the existing and its opportunities.

The project was carried out with **94% of the materials from reuse**. It is first of all by keeping the interior layout as much as possible that WAO has diverted the museography to accommodate the new use. The picture rails were transformed into a sorting table and the display cases into shelves and support to separate the different areas.

Then it is by working with a company and craftsmen convinced of the approach that the materials for the fitting-out were partly sourced on site and the complements from deposits in Île de France.

Finally, the furniture and partitions were designed to have a third life after the dismantling of the resource center.

Sustainable development approach of the project owner

As part of the **Oasis** project led by **REI Habitat** and Sem **PariSeine**, winners of the second Réinventer Paris competition, the former Liberation Museum located in

the Jardin de l'Atlantique will soon experience new mixed uses.

It is quite naturally, in a transitional urban planning approach which increasingly guides our cities and our lives, that **the Salvation Army** occupies the ground floor of the west wing with an ephemeral resource center. The multidisciplinary architecture agency WAO proudly designed this pragmatic and circular interior design project. Committed to this process of reducing waste and virtuous design, it wanted to make the most of the existing and its opportunities.

The stake of this project lies in its short time frame, pushing the agency to an opportunistic approach: to ensure the re-employability of materials and fittings.

Architectural description

Reuse and reversibility were at the heart of the project. The first intention was to reuse the existing as much as possible, taking advantage of the museum installations. It is the latter that divides the project, with a space for the public in the center and a sorting space around it. The transparency of these showcases allows visitors to be able to appreciate the work of the staff.

The stake of this project lies in its short time frame, pushing us to adopt an opportunistic approach: to ensure the re-employability of the materials and fittings that we design.

- All the shop windows in the boutique area were fitted with shelves, racks and storage boxes which later became benches and seats;
- The dividing partitions between the showcases were designed to be tables when they are dismantled, including the feet and the screws;
- The counters have been designed as a module in order to be able to adapt to all configurations when it is reintegrated into a future hotel project.

Commitment to reuse

The WAO agency, committed to the creation and implementation of reuse channels, has thus positioned itself as a facilitator. This circular approach led by the agency is twofold:

- In the design phase: we design elements in compliance with the standards and specifications of the project owner, while keeping a certain flexibility in the nature of the materials and assemblies.
- In the construction phase: this involves adapting to the supply constraints of materials and the nature of the deposits, and determining with the companies the assemblies suitable for a second life (absence of screws on the future table tops by example). We also divided the carpentry batch in two to match the production capacities and deposits of Re-Store (Remake + Jocko) and Extramuros. One became the making of a few panels from butted wood, the other produced a large number of boxes.

Building users opinion

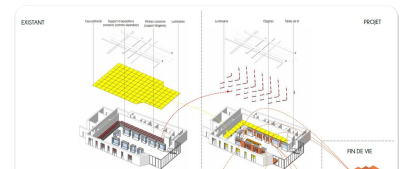
The Salvation Army is delighted, praising the efficiency and aesthetics of the project.

See more details about this project

<https://wao.paris/portfolio/tertiaire-projets/ressourcerie-ephemere-et-circulaire/>

Photo credit

Aurelien Chen



Stakeholders

Contractor

Name : PariSeine

Contact : sanaa.oulkadda[a]pariseine.fr

<https://pariseine.fr/>

Construction Manager

Name : WAO

Contact : M. Minh Man NGUYEN, minh[a]wao.paris, 0668995665

<https://wao.paris/>

Stakeholders

Function : Environmental consultancy

Extramuros

maxime[a]extramuros.org

<https://www.extramuros.org/>

Realization of furniture from reused wood deposits

Function : Environmental consultancy

REMAKE

tchedeville[a]remake.paris

Realization of furniture from reused wood deposits

Function : Contractor

REI habitat

Castruy[a]reihabitat.com

<https://www.reihabitat.com/>

Project manager

Function : Site manager

L'Armée du Salut

cperrine[a]armeedusalut.fr

<https://www.armeedusalut.fr/>

Occupants

Function : Company

BRB

sarlbrb[a]orange.fr

<https://www.brbconstruction.fr/>

Works manager

Function : Other consultancy agency

Risk Control

georges.wehbe[a]risk-control.fr

<http://www.risk-control.fr/>

Operation manager

Function : Environmental consultancy

re-store

M. Minh Man NGUYEN, minh[a]wao.paris, 0668995665

<http://www.re-store.xyz>

Storage of reclaimed wood

Type of market

Global performance contract

Energy

Renewables & systems

Systems

Heating system :

- Electric heater

Hot water system :

- No domestic hot water system

Cooling system :

- No cooling system

Ventilation system :

- Natural ventilation

Renewable systems :

- No renewable energy systems

Environment

Urban environment

The ephemeral resource center is located on the slab of the Montparnasse station, on the Atlantic garden surrounded by housing. More precisely in the old Museum of the Liberation which will become in the future the OASIS project of the atelier Georges.

The project thus brings new mixed uses on the slab, benefiting local residents as well as walkers.

Products

Product

<https://fabcity.paris/>

Product category : Autres / Autres

Costs

Construction and exploitation costs

Global cost : 60 000,00 €

Global cost/Visitor : 1016.95

Cost of studies : 10 000 €

Total cost of the building : 70 000 €

Circular Economy

Reuse : same function or different function

Batches concerned by reuse :

- Locksmithing-Metalwork
- Indoor joineries
- Partitions
- Suspended ceilings
- Electricity
- others...

For each batch : Reused Materials / Products / Equipments :

Reuse of spaces and adaptation to new uses

Reuse and reversibility were at the heart of the project. The first intention was to reuse the existing as much as possible, taking advantage of museum installations and minimizing unnecessary actions. It was a question of adapting the design by taking into account the particular context as one would do with a topography or an urban fabric but at the scale of the scenography. There were very few demolitions and the items deposited were reused on site:

- All **10 metal display cases** sealed to the ground have been preserved in order to clearly delimit the shop open to the public and the sorting space. The pre-existing glazing allows transparency highlighting the reuse and work of the Salvation Army;
- The **false ceilings** of the site were removed to be reattached to **the metal exhibition supports** on the outskirts of the museum in order to constitute the sorting tables;
- The **lights from the old museum**, which were integrated into the exhibition supports, have been repaired and reused in order to illuminate the entire visitor and sorting area. The 60 fluorescent tubes were suspended and arranged to mark vanishing lines on the technical ceiling of the room. This creates visual continuity between the public space and the work space;
- **Old cupboards** recovered by the Salvation Army were laid down and put on wheels to make sorting bins; in some cases they served as an anchoring point for the partitions.
- The **furniture and fittings** were made from reclaimed wood, some additions were made in OSB.

Environmental assessment

Impacts avoided : water, waste, CO2 :

On this project, the reuse of materials* made it possible to avoid:

- Emission of 9.3 tonnes eqCO2
- The use of 999m3 of water
- The production of 8.4 tonnes of waste

The impact calculations were carried out using environmental data from the INIES database.

* (Excluding steel structure sorting table)

Social economy

Social economy and professional integration :

Extramuros is a united, ecological and social joinery. Its core business is the reuse of materials, particularly wood. They make resources out of waste to build various collective equipment: street furniture, planters, cabins, modular furniture, the possibilities are endless! Their achievements are made within the framework of workshops and educational projects, intended for audiences excluded from employment and training.

Contest

Reasons for participating in the competition(s)

Reuse of spaces and adaptation to new uses

Construction of the layout mainly from recovered materials

Temporality and anticipated end of life

Building candidate in the category



Prix du public

