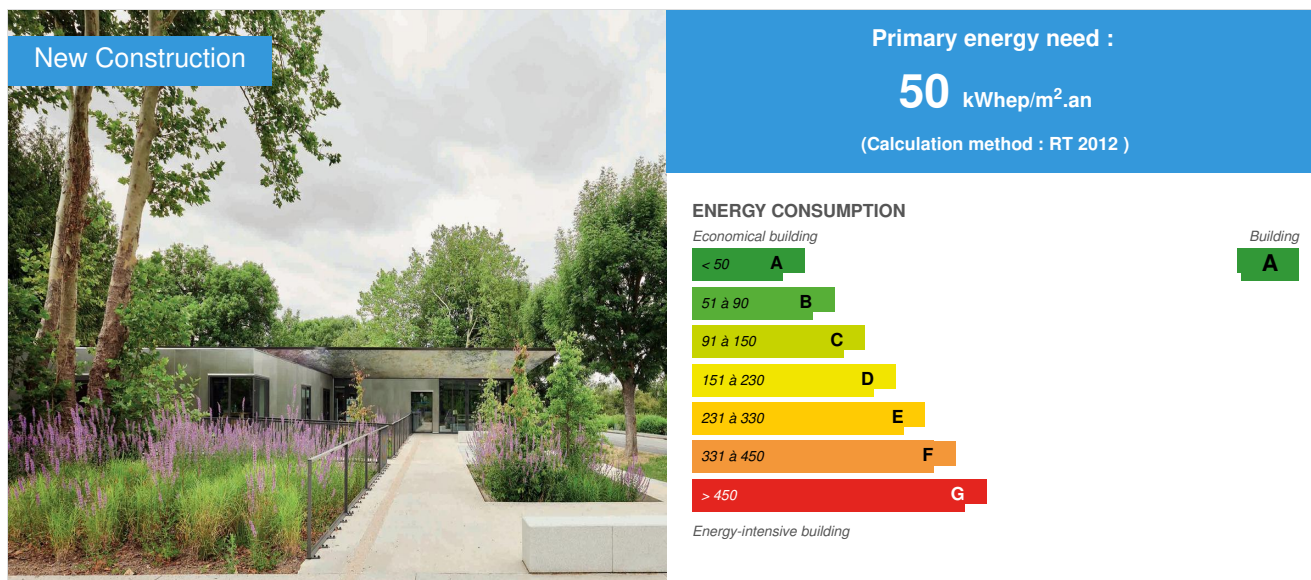


## Epernon media library

by Grégoire Dubreux / 2020-06-26 18:54:52 / France / 4551 / FR



**Building Type** : Library, documentation center

**Construction Year** : 2019

**Delivery year** : 2019

**Address 1 - street** : Avenue de la Prairie 28230 EPERNON, France

**Climate zone** : [Cfb] Marine Mild Winter, warm summer, no dry season.

**Net Floor Area** : 600 m<sup>2</sup>

**Construction/refurbishment cost** : 1 860 000 €

**Cost/m<sup>2</sup>** : 3100 €/m<sup>2</sup>

### General information

The plot chosen to build the Epernon media library is located in a flood prairie blocked between the old town and the new neighborhoods. The strong presence of water, which appeared to be a constraint, became a founding element of the project: the media library was designed by enhancing the flood-prone nature of the place and the marshland landscape.

The project gives the impression of being a "painting floating on a green carpet": the large horizontal roof, the transparent facades and the detached slab eliminate the boundaries between exterior and interior and lightly and simply showcase the biodiversity typical of the region. wetlands.

- The building is raised on stilts to protect it from rising water levels but also to minimize its impact on its environment. The project was designed to maintain the flow of water in the event of a flood and to guarantee the continuity of the flora and fauna under and around the building.
- The design of the slab adapts to the building's programs and to the need for permeability between the activities of the media library and the exterior.
- The arrangements around the media library are designed as walks, the slopes and curves of which interact with the topography of the place and guarantee the ecological continuity of the landscape.
- The ceiling is a stretched canvas where an artist, Raphaëlle Ichkinasi, depicted the local landscape and heritage of the city of Epernon. It embodies the soul of the project and protects a space in the city to meet and meet.
- The two patios in the center of the building bring up the vegetation of the marshes at the heart of the reading spaces. They establish the ecological link between interior and exterior.

## Sustainable development approach of the project owner

### Environmental goals

The land is located in the ND sector, a natural area that should be protected because of the quality of the landscape and the character of the natural elements that compose it.

The place is conducive to sustainable development, it makes it possible to create public facilities according to High Environmental Quality criteria with materials adapted to the site. Likewise, the conditions on the ground make it possible to control energy consumption, self-sufficient treatment of sanitation, etc.

The equipment must therefore preserve the water cycle, in particular for the management of rainwater, and the preservation of wetlands, with their biological continuity.

### Programmatic objectives

The contracting authority wanted to offer an island of reading and full nature:

- a place of serenity dedicated to reading and favoring visual escapes on nature
- a place of citizenship, sociability, leisure, and learning with an Agora open to exchanges
- a place of integration and meeting between different generations
- a symbolic place of modernization

## Architectural description

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## See more details about this project

<https://mu-architecture.fr/eper-construction-dune-mediatheque-a-epernon/>

### Photo credit

David-Foessel

## Stakeholders

### Contractor

**Name :** Commune d'Épernon

**Contact :** 02 37 83 40 67

<https://www.ville-epernon.fr/>

### Construction Manager

**Name :** MU Architecture

**Contact :** 43 rue Beaubourg 75010 Paris

<https://mu-architecture.fr/>

## Stakeholders

Function : Contractor representative

SOMIVAL

I LOVE

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Function : Construction Manager

AC&T

Thomas Seconde

Landscaper

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Function : Other consultancy agency

Euclid

Jérémy Jacquart

TCE design office

---

Function : Other consultancy agency

Alternative

Alexis Trémeau

Acousticien

---

Function : Environmental consultancy

Marc Vallet

Marc vallet

Museographer and scenographer

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Function : Environmental consultancy

Raphaëlle Ichkinasi

Raphaëlle Ichkinasi

Artist

## Energy

### Energy consumption

Primary energy need : 50,00 kWh<sub>ep</sub>/m<sup>2</sup>.an

Primary energy need for standard building : 50,00 kWh<sub>ep</sub>/m<sup>2</sup>.an

Calculation method : RT 2012

## Renewables & systems

### Systems

Heating system :

- Condensing gas boiler
- Low temperature floor heating

Hot water system :

- Individual electric boiler

Cooling system :

- No cooling system

Ventilation system :

- Double flow heat exchanger

#### Renewable systems :

- No renewable energy systems

## Environment

### Urban environment

Land plot area : 4 880,00 m<sup>2</sup>

Built-up area : 20,00 %

Green space : 4 000,00

It is above all the identity of the river, the Drouette, that we have sought to promote. This is why the whole project respects:

- Location and plot orientation dictated by relief and watercourses
- The humid character of the place which makes it its specificity and quality
- The richness of the ecosystem

The ambition here was not to over-develop or reconfigure a natural identity but to reinforce the wild (autonomous) state. The wetland dedicated to the project appeared to be fragmented, little by little eaten away by the development of woody plants but also by the development of invasive vegetation favored by the old backfilling actions due to the presence of the road and the parking lots surrounding it.

The intervention is gentle and is organized with ad hoc arrangements to repair or enhance the marshy area and associated ecosystems:

- The properties of the alluvial plain were valued well beyond the compensatory measures requested: during the work, we developed the land beyond the objectives expected for the construction of the media library and the senior residence 400 meters from the site.
- A series of inventories was carried out during the vegetation period, between May and July 2014, in order to identify as many spaces as possible in the area. During the inventories, some fifty different species were identified, 40% of which are wetland indicators and including 1 rare species, the Neglected Orchis (*Dactylorhiza praetermissa*). In total, 8 species of insects and 1 species of amphibian were encountered during the inventories, all common in Eure-et-Loir. The design of the various exterior spaces of the project (wooded, open, etc.) was based on these censuses to enhance the value of local fauna and flora and to reinforce the reservoirs of biodiversity.
- We have created two patios in the center of the building, to promote the natural identity of the site, which receive all the rainwater from the roofs and promote the installation of a plant and animal pallet in line with the humid landscape. of 40cm of water for a ten-year rainfall and ensure zero discharge of rainwater into the networks.

The project is organized in such a way as to organize the discovery and initiate new dynamics and educational appropriations on wetlands.

- Nature and ecology are promoted in a didactic way around and in the media library with educational sheets or observation posts distributed along a marked trail to combine relaxation and knowledge.
- Information on the floodplain nature of the plain is displayed at the entrance to the media library
- The library has become the hub for pedestrian paths in the city. The gentle circulations around the building are the starting points for marsh discovery walks.

The return to Normal:

- The technical installations are fixed above the level of the PlusHigh Known Waters (PHEC 112.50 m NGF). The low level of the sub-slab ducts was therefore set at 112.90 m NGF and the level of the Agora at 113.05 m.
- The exterior fittings only consist of resilient materials: painted concrete blocks, galvanized ironwork, STADIP glazing, etc.

## Products

### Product

Ferrari canvas

Serge Ferrari

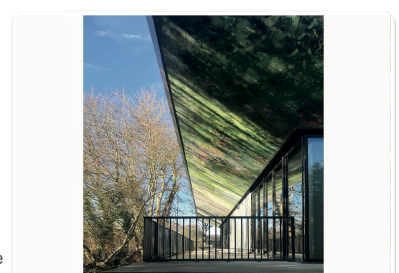
Laura Warin do Nascimento

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

Product category : Management / Others

False ceiling with double stretched textile canvases printed with an artwork

From the competition phase (anonymous restricted competition) we suggested that the city call on an artist to decorate the ceiling of the project. During the design phases of the building, we organized a competition with the Town Hall and the inhabitants to select the artist who could best represent the history of the city. Artist Raphaëlle Ichkinasi, who won the project, composed a collage of images of local plants, historical writings and animal figures. By making the ceiling an artistic medium, we



offered the city the opportunity to have cultural equipment in its image and favored the appropriation of the place by the inhabitants. Different audiences see the equipment as a space that bears witness to their own history, their own identity and a shared and rich past. The ceiling has become the building's reference point: it embodies the soul of the project, it is a "roof" under which the inhabitants meet, it signals "the Agora".

## Costs

### Construction and exploitation costs

Cost of studies : 200 000 €

## Contest

### Reasons for participating in the competition(s)

#### Innovation : valoriser le contexte et créer des liens

- L'eau : valoriser l'image du paysage inondable

La forte présence de l'eau, qui apparaissait comme une contrainte, est devenu un élément fondateur du projet : la médiathèque a été conçue en valorisant le caractère inondable du lieu et le paysage de marais.

- L'écosystème : conforter l'état sauvage

L'ambition ici n'était pas de sur-aménager ou de reconfigurer une identité naturelle mais bien de valoriser l'identité de la rivière, la Drouette, en assainissant le terrain et en confortant son état sauvage (autonome).

L'intervention est douce et s'organise avec des aménagements ponctuels pour réparer ou mettre en valeur la zone marécageuse et les écosystèmes associés.

- La passerelle entre culture et mémoire de la commune

En faisant du plafond un support artistique, nous avons offert à la ville d'Epernon l'opportunité d'avoir un équipement culturel à son image. L'œuvre intégrée au bâtiment et pensée avec tous les acteurs du projet favorise l'appropriation de la médiathèque par les habitants. Les différents publics voient l'équipement comme un lieu témoignant de leur propre histoire, de leur propre identité et d'un passé commun et riche.

#### Solution : l'architecture vecteur d'un témoignage

Dès la phase concours (concours restreint anonyme) nous avons proposé à la ville de faire appel à un artiste pour décorer le plafond du projet. Pendant les phases de conception du bâtiment, nous avons organisé un concours avec la Mairie et les habitants pour sélectionner l'artiste qui saurait le mieux représenter l'histoire de la ville. L'artiste, Raphaëlle Ichkinasi, qui a remporté le projet a composé un collage d'images de plantes locales, d'écrits historiques et de figures animales.

Le plafond est devenu le point de référence du bâtiment : il incarne l'âme du projet, il est un « toit » sous lequel habitants se réunissent, il signale « l'Agora ».

#### Reproductibilité : rechercher la symbiose

L'expérience acquise avec ce projet nous confirme que l'association étroite et durable d'une construction avec son environnement dépend de la capacité des concepteurs à penser les bâtiments comme des organismes vivants dont la « légitimité » et la « survie dans le temps » dépendent du nombre et de la qualité des liens tissés avec l'écosystème qui l'accueille.

L'architecture doit créer et organiser un maximum de liens et d'interactions avec le paysage et les organismes vivants qui l'entourent. Une construction doit rechercher, comme notre corps, la symbiose avec l'air qu'il respire, le soleil qu'il emmagasine, la végétation qu'il touche et toutes autres ressources locales dont il profite.

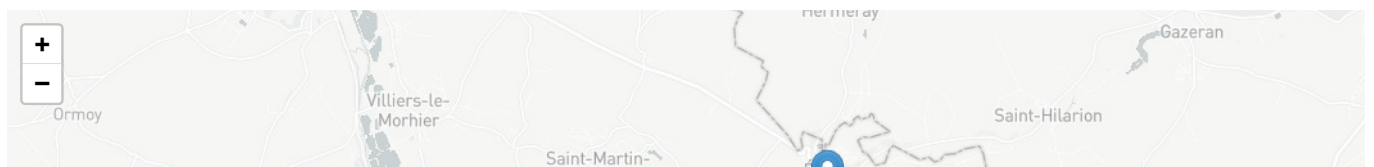
#### Coût :

Les 2600€/m2 dédiés au projet (bâtiment et aménagements extérieurs) sont cohérents avec les budgets prévus pour les équipements culturels de cette taille.

### Building candidate in the category



Energie & Climats Tempérés





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