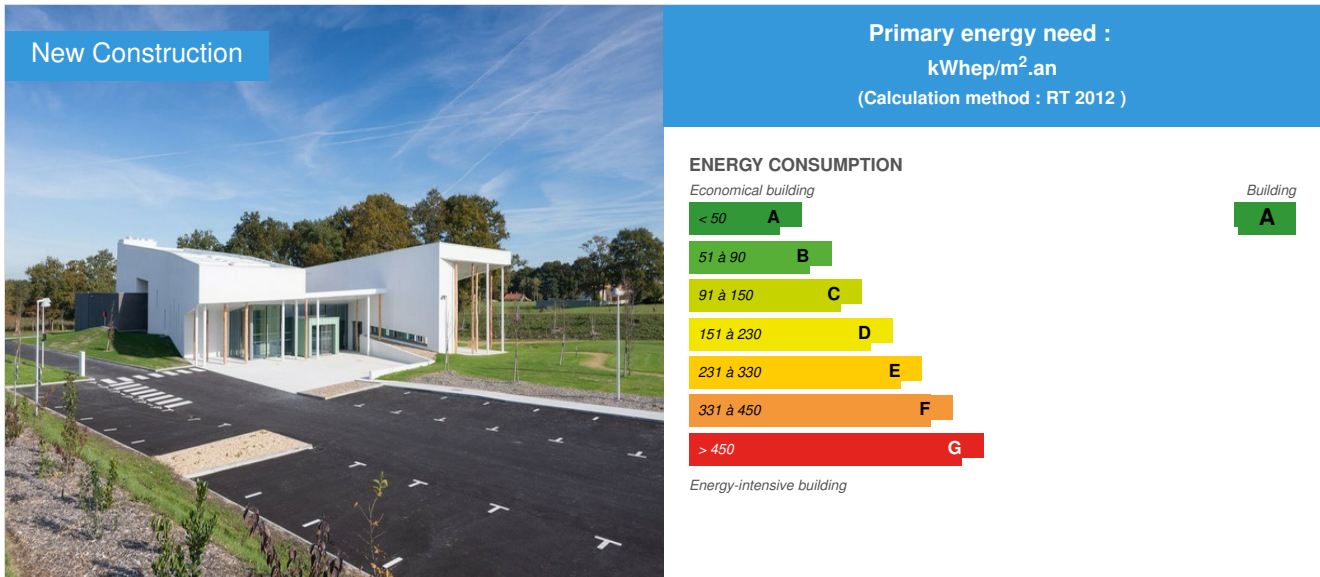


Crématorium Sud Loire

by François-Xavier Jeuland / 2017-06-15 14:02:21 / France / 10453 / FR



Building Type : Other commercial buildings

Construction Year : 2015

Delivery year : 2016

Address 1 - street : Z.A du Butay, 29 Rue des Châtaigniers 44690 CHÂTEAU-THÉBAUD, France

Climate zone : [Cfc] Marine Cool Winter & summer- Mild with no dry season.

Net Floor Area : 726 m²

Construction/refurbishment cost : 2 500 000 €

Number of Visitor : 1 Visitor

Cost/m² : 3443.53 €/m²

Certifications :



General information

The Crematorium intercommunal project is located in the heart of the new industrial zone of Butay, located south-west of the commune of Château-Thébaud. The proximity of the motorway A83, the RN 249 and the departmental road 137 gives this crematorium a strategic geographical location. Two companies currently occupy the Butay area, including a plaster manufacturing company that has a strong impact on the territory and its environment. These impacts are visual (silo about 50 meters) and auditory (manufacturing machine noise and Flow of hearses). It can therefore be said that the crematorium is a project with a sensitive vocation, installing itself in a "sensitive" site. In this context, it is not only a question of building a strong symbolic building, but of taking into consideration the whole of its environment and ensuring that families coming to crematize one of their loved ones plunges into A process of mourning and recollection, ignoring this industrial environment. The need is particularly identified. Indeed, a single crematorium (located north of Nantes) now serves cremation service for a population of more than 800,000 inhabitants (within a radius of 30 km) and generating more than 6,000 deaths. More than 2500 cremations are currently being carried out in this crematorium with longer and longer waiting times. In the collective consciousness, the crematorium is inseparable from mourning, where cremation remains a funerary practice strongly connoted and far from our historically religious customs. In recent years, for economic reasons and socio-cultural changes, mentalities have changed in terms of funerals and the after-death of the body. More and more families are now choosing cremation. This type of building has been designed

to fulfill a precise and technical function, but it must above all help the family and loved ones of the deceased to live well this crucial stage in the process of mourning. The project must not only respond to an architectural program, but it must help to support families in this ordeal, not make it more traumatic. The crematorium includes a reception, a ceremonial hall with 100 seats and a reception room for families, technical rooms, rest room for staff, cremation space.

Sustainable development approach of the project owner

TBD

Architectural description

The Crematorium intercommunal project is located in the heart of the new industrial zone of Butay, located south-west of the commune of Château-Thébaud. The proximity of the motorway A83, the RN 249 and the departmental road 137 gives this crematorium a strategic geographical location. Two companies currently occupy the Butay area, including a plaster manufacturing company that has a strong impact on the territory and its environment. These impacts are visual (silo about 50 meters) and auditory (manufacturing machine noise and Flow of hearses). It can therefore be said that the crematorium is a project with a sensitive vocation, installing itself in a "sensitive" site. In this context, it is not only a question of building a strong symbolic building, but of taking into consideration the whole of its environment and ensuring that families coming to crematize one of their loved ones plunges into A process of mourning and recollection, ignoring this industrial environment. The need is particularly identified. Indeed, a single crematorium (located north of Nantes) now serves cremation service for a population of more than 800,000 inhabitants (within a radius of 30 km) and generating more than 6,000 deaths. More than 2500 cremations are currently being carried out in this crematorium with longer and longer waiting times.

Building users opinion

To realize this project we had the opportunity to work and collaborate with a passionate and convinced developer of the future and the usefulness of home automation, which was essential to carry out this project.

See more details about this project

<https://www.crematoriumdusudloire.fr/services-et-restauration/les-diff%C3%A9rents-services/>

Stakeholders

Stakeholders

Function : Designer

Cub Architecture

TBD

<http://cub-architecture.fr/>

Function : Thermal consultancy agency

LVI Ingénierie

TBD

<https://www.ingenieriefrance.com/societe-philippe-jarnot-slvi-vertou-12545>

Contracting method

Separate batches

Type of market

Global performance contract

Energy

Energy consumption

Calculation method : RT 2012

Renewables & systems

Systems

Heating system :

- Combined Heat and Power

Hot water system :

- Individual electric boiler

Cooling system :

- No cooling system

Ventilation system :

- Double flow heat exchanger

Renewable systems :

- Energy recovery from waste

Other information on HVAC :

No air conditioning, reinforced insulation, air cooling via 4 CTA (Chilled water and heating) + Cogeneration with heat recovery from part of the oven (780Kw) to heat 3 BEC (heating of the rooms).

With the HomeLynk web server, display of temperatures in each room and heating control by adjustment of setpoint values and time schedule.

Smart Building

BMS :

- Legrand Céliane KNX and Zennio Z41
- KNX Beg Detectors - KNX, Bacnet, Modbus, IP
- 3 Schneider DIN Rail Output Modules KNX,
- 3 Siemens RMU KNX Heating Controllers
- 4 CIAT Carel Modbus Heating Regulators
- Lighting, Motorization

Environment

Urban environment

The Crematorium intercommunal project is located in the heart of the new industrial zone of Butay, located south-west of the commune of Château-Thébaud. The proximity of the motorway A83, the RN 249 and the departmental road 137 gives this crematorium a strategic geographical location. Two companies currently occupy the Butay zone, including a plaster manufacturing company that strongly impacts the territory and its environment. These impacts are visual (fifty meters) silo and auditory (manufacturing machine noise and hemlock flow). It can therefore be said that the crematorium is a project with a sensitive vocation, installing itself in a "sensitive" site. In this context, it is not only a question of building a strong symbolic building, but of taking into consideration the whole of its environment and ensuring that families coming to crematize one of their loved ones plunges into A process of mourning and recollection, ignoring this industrial environment. The need is particularly identified. Indeed, a single crematorium (located north of Nantes) now serves cremation service for a population of more than 800,000 inhabitants (within a radius of 30 km) and generating more than 6,000 deaths. More than 2500 cremations are currently being carried out in this crematorium with longer and longer waiting times.

Products

Product

Z41

Zennio

TBD

<http://zennio.fr/produits/ecran-tactile-controleur-ambiance/inzennio-z41>

Product category : Table 'c21_china.innov_category' doesn't exist SELECT one.innov_category AS current,two.innov_category AS parentFROM innov_category AS oneINNER JOIN innov_category AS two ON one.parent_id = two.idWHERE one.state=1AND one.id = '31'

TBD

TBD



DMPS-3

Crestron

TBD

<https://www.crestron.com/products/model/DMPS3-300-C>

Product category : Table 'c21_china.innov_category' doesn't exist SELECT one.innov_category AS current,two.innov_category AS parentFROM innov_category AS oneINNER JOIN innov_category AS two ON one.parent_id = two.idWHERE one.state=1AND one.id = '27'

TBD

TBD





Costs

Construction and exploitation costs

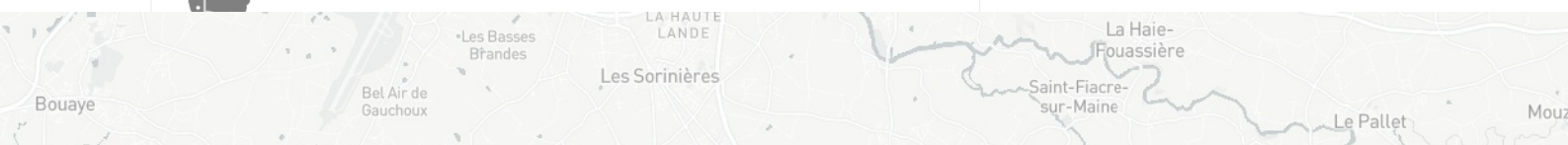


Total cost of the building : 2 500 000 €

Contest

Building candidate in the category



Smart Building





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