


Lotissement du Canal

by Jean-Loup LEMIRE / 2016-06-30 09:26:22 / France / 9598 / FR

New Construction



Primary energy need :

85 kWhep/m².an

(Calculation method : RT 2012)

ENERGY CONSUMPTION

Economical building *Building*

< 50	A	
51 à 90	B	B
91 à 150	C	
151 à 230	D	
231 à 330	E	
331 à 450	F	
> 450	G	

Energy-intensive building

Building Type : Terraced Individual housing
Construction Year : 2015
Delivery year : 2015
Address 1 - street : Chemin de la Grande Plaine 42450 SURY LE COMTAL, France
Climate zone : [Cfb] Marine Mild Winter, warm summer, no dry season.

Net Floor Area : 582 m² SHON
Construction/refurbishment cost : 671 000 €
Cost/m2 : 1152.92 €/m²

General information

The project concerns the construction of a settlement area for the Travelling Community.

This social project provides accommodation for six families from the Travelling Community. The high concept is to propose a settlement area for people who are usually nomads.

Thus, this experimental project organizes housing modules which can be autonomous but does not seek to replace the caravans. They offer minimal accommodation that is complemented by the proposed project.

A New Travel, EVOLUTIVE HABITAT "DESIGN AND RESPECT FOR ALL". Designed with and for the Travelling Community.

How to design and implement a housing project adapted to the settlement of the members of the Travelling Community in consultation with the families?

- Phase 1: Defining the ambitions of the project with project management.
- Phase 2: Analyze the characteristics (lifestyle, financial conditions, expectations) of the families concerned.
- Phase 3: To outline the project to highlight the constraints and all trading margins.
- Phase 4: Prepare and conduct a collective and individual consultation on the positioning and the internal structure of the frame. Seek to achieve ownership of the project by each family. Reach a joint agreement signed.
- Phase 5: Finalize the project to allow the permit application to build.
- Phase 6: Prepare and conduct a collective and individual consultation on:

- Development of the land and its enclosures (available, constraints, trading spreads)

- The choices available for the frame (external color choice tiles, ...)
- The content of the collective life of documents (lease, rules, ..)
- Any requested adjustments upon delivery
- Any element of choice accepted by the client and can contribute to responsible ownership by families (eg name of the street waste management, ...)

Reach a joint agreement signed.

- Phase 7: Work, the inauguration and ownership by families.
- Phase 8: Monitoring.

Sustainable development approach of the project owner

The concept of suitable habitat naturally induces adaptation lifestyle of families but also of course the environment. So we could do without on a sustainable development approach. It is for this project to measure and mitigate the impacts of habitat and inhabitants because environmental issues are recurrent and need to be addressed. The sustainable approach of SODIHA has therefore focused on two aspects:

- An energy efficient buildings: the frame meets the requirements of the RT 2012 with the establishment of enhanced insulation, efficient heating with pellet stoves, thermodynamic water heaters. The environmental dimension also like the fact that housing is flexible in time and respect the harmony of the site.
- A process of appropriation and empowerment of the people: it is an innovative housing and a public that was related to the environment hitherto disorganized due to the precarious living place semi-natural allocated to them. Our approach to the integration of settled families, so it was desirable to permit them to sustain and appropriating their living taking into account future challenges (arrival of new tenants, project reproducibility if the project elapsed smoothly ...). Families have therefore made themselves under the control of the client, the work related to the development of outdoor spaces (fences, installation of a portal, a storage shed, an animal pen etc.), but also the interior spaces (layout of the mezzanine to create additional rooms, painting). Moreover, accompanying conducted by the social worker SOLIHA Loire aims to teach families how to control their consumption of water, heating, to limit their spending.

Architectural description

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Stakeholders

Stakeholders

Function : Contractor

SODIHA

Jean-Loup Lemire

<https://www.soliha.fr>

Function : Construction Manager

Atelier Rivat

Julien RIVAT

<http://www.rivat-architecte.fr/>

Energy

Energy consumption

Primary energy need : 85,00 kWhep/m².an

Primary energy need for standard building : 90,00 kWhep/m².an

Calculation method : RT 2012

Envelope performance

Envelope U-Value : 0,20 W.m⁻².K⁻¹

Renewables & systems

Systems

Heating system :

- Wood boiler

Hot water system :

- Heat pump

Cooling system :

- No cooling system

Ventilation system :

- Single flow

Renewable systems :

- Wood boiler

Environment

Urban environment

The homes were built on land that was owned by the City Hall, located at the exit of the town of Sury-le-Comtal. The land adjoins the reception area of Travellers. It is located 10 minutes walk from bus lines, shops and schools.

Products

Product

sealed combustion wood pellet stove Nuance type of ATLANTIC

ATLANTIC

www.atlantic.fr

<http://www.atlantic.fr/nos-produits/poele-a-granules-nuance>

Product category : Génie climatique, électricité / Chauffage, eau chaude

Rated power: 6.2 KW Efficiency > 94% according to EN14785

With integrated automatic control of room temperature and time schedule of operating hours

Ambient air fan Supply system Anti-back fire safety

Product best suited for use by future tenants



Costs

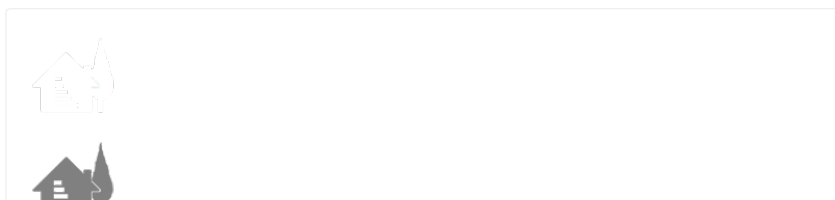
Contest

Reasons for participating in the competition(s)

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Building candidate in the category

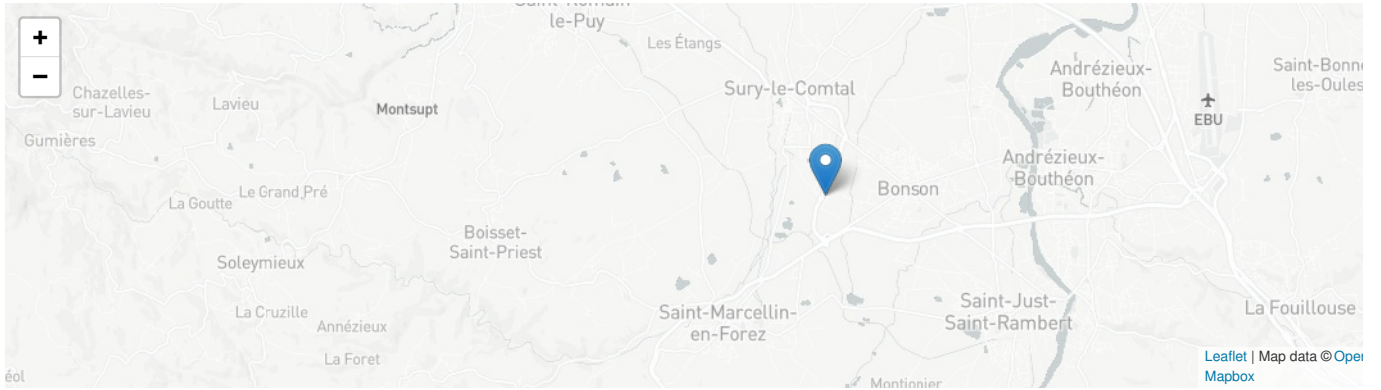


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Coup de Coeur des Internautes



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