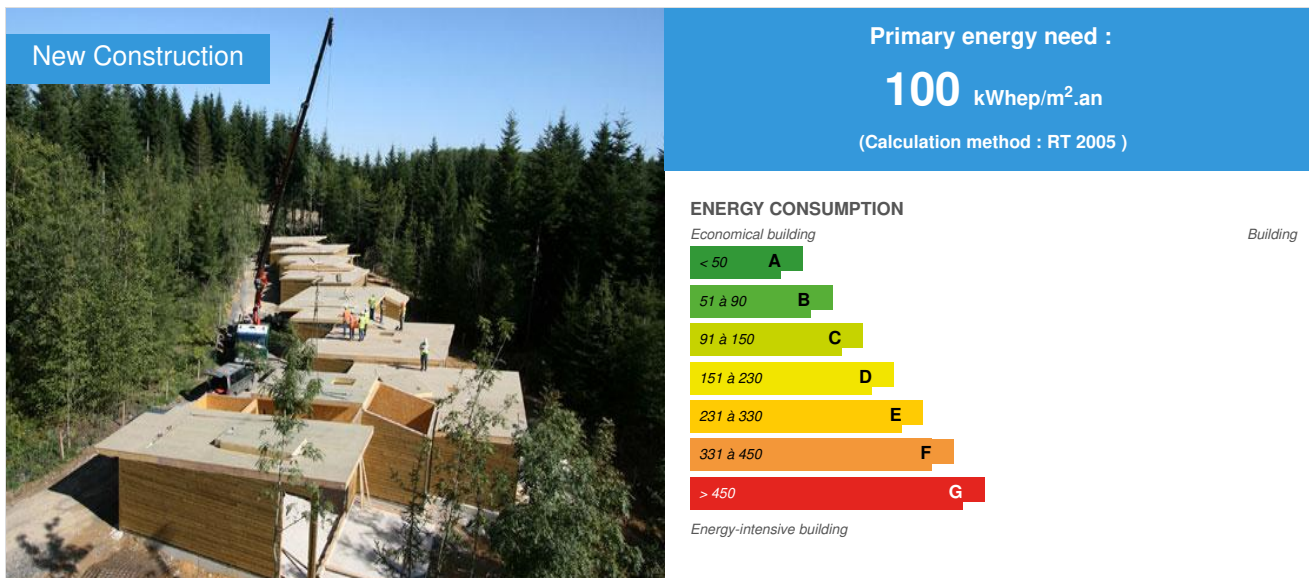


870 Center Parcs cottages in Alsace

by Pascal LE GOFF / 2012-06-06 15:30:46 / France / 16149 / FR



Building Type : Terraced Individual housing
Construction Year : 2010
Delivery year :
Address 1 - street : Domaine des Trois Forêts 54700 SARREBOURG, France
Climate zone : [Cfc] Marine Cool Winter & summer- Mild with no dry season.

Net Floor Area : 58 000 m² Autre type de surface nette
Construction/refurbishment cost : 175 000 000 €
Cost/m2 : 3017.24 €/m²

General information

870 timber frame cottages located in the Three Forests (Center Parcs), near Sarrebourg, the largest tourism program in Europe.

Label Performance with Promotelec THPE mention was attributed to the Domaine des Trois Forêts. The 870 cottages posted a gain of 20% minimum of the thermal study. A pilot project for future achievements of Pierre & Vacances Center Parcs.

Sustainable development approach of the project owner

The objective was to achieve an exemplary project in terms of sustainable development either for the construction and the building management, certified by the Performance Label Promotelec, THPE mention.

Architectural description

To follow a comprehensive approach to energy performance, the architect has designed a guide facades and terraces so as to achieve maximum natural light through the bay windows. It will also bring free heat contributions in winter. Conversely, the roof overhangs and implementation of vegetation were studied in a natural way to contribute to summertime comfort.

[See more details about this project](#)

Stakeholders

Stakeholders

Function : Contractor
PIERRE & VACANCES

Function : Thermal consultancy agency
COTEBA

Function : Certification company
PROMOTELEC SERVICES

<http://www.promotelec.com/>

Energy

Energy consumption

Primary energy need : 100,00 kWh/m².an

Primary energy need for standard building : 100,00 kWh/m².an

Calculation method : RT 2005

Envelope performance

More information :

A timber frame walls. Low emissive PVC joinery: 4/16/4 of the blade stay with argon, and even in areas of 4/20/4 night (or the windows are smaller and therefore lighter). On-ground floor with double insulation: The foundation was polystyrene slab has a couple plot employed for its insulating qualities and its optimal treatment of thermal bridges. Attic insulated with 20 cm of glass wool.

Renewables & systems

Systems

Heating system :

- Gas boiler

Hot water system :

- Gas boiler

Cooling system :

- No cooling system

Ventilation system :

- Double flow heat exchanger

Renewable systems :

- No renewable energy systems

Environment

Urban environment

Cottages scattered over 435 acres of parkland.

Life Cycle Analysis

Eco-design material : The cottages are manufactured in wood, which greatly reduces the carbon footprint of this vast project. The wood comes from forests and European, sustainably managed (FSC or PEFC certification).

