

1. Toolbox: PLEIADE COMFIE

1.1. Description of the tool / methodology of the tool

The Tool PLEIADE COMFIE is edited by IZUBA énergies in french language. It is available for 900 € excluding VAT. It is a dynamic thermal simulation software.

1.2. Outcomes of the tool

It is possible to calculate the heating and / or cooling needs of buildings. It integrates solar incident radiations on buildings and can calculate the proportion of passive solar heating in global heating needs (Integration of different data: Exterior wall, inertia, insulation, solar protections, optimization, Energetic optimization)

1.3. Assessment of the tool

1.3.1. Advantages / Disadvantages

Advantages

- Easy to use
- visualisation in 3D
- software designed for optimizing the conception
- high degree of precision of the calculations

Disadvantages

- Only available in French
- Not optimized for urban projects with many buildings, It is necessary to enter a lot of data which are not determined in the stage of urban conception.
- Limited in the number of thermal zones that can be created.

1.4. Examples

Link:

<http://www.izuba.fr/etudes/optimisation-energetique>

1.5. Literature

Link:

<http://www.izuba.fr/>