

## 1. Toolbox: SOLEILI

### 1.1. Description of the tool / methodology of the tool

The Tool SOLEILI is edited by Frédéric SECO (engineer) in french and english language. It is an freeware software for building design

### 1.2. Outcomes of the tool

Soleili is a Software Tool for optimizing the orientation of buildings, calculate the average daylight and sunlight received by each facade. The tool enables to calculate the amount of solar energy received by the different facades of a building (Integration of different data: shadows, surface area of glass, integration of solar panels...).

### 1.3. Assessment of the tool

#### 1.3.1. Advantages / Disadvantages

##### Advantages

- Software designed for optimizing the design of a building (orientation, solar panels...)
- Results are given by graphics and detailed facts and figures

##### Disadvantages

- Not optimized for urban projects and buildings with complex forms,
- To draw the building and modify it, you need to enter coordinates

### 1.4. Examples

Link:

Screenshots available on: <http://www.sunny-soleili.net/> (click on webside : Plus d'infos; Captures d'écran de Soleili)

### 1.5. Literature

Link:

<http://www.sunny-soleili.net/>