

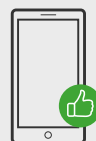


# GREENSPECTOR

## User Case Study



Division of energy consumption by 5



Sobriety of website design



Obtention of the Green Code Label grade Gold

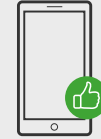
All the results are available on [www.greenspector.com](http://www.greenspector.com)



## | RESULTS



Division of energy consumption by 5



Sobriety of website design



Obtention of the Green Code Label grade Gold

## | NEED

Nantes Métropole wishes to be accompanied for the passage of the Green Code Label for their website [www.nantestransitionenergetique.fr](http://www.nantestransitionenergetique.fr).

## | REALISATION

In an approach of ecoconception, Nantes Métropole wanted to evaluate the eligibility of their website « Le Grand Débat de la Transition Énergétique » ([www.nantestransitionenergetique.fr](http://www.nantestransitionenergetique.fr)) to obtain the Green Code Label. GREENSPECTOR realised this support in the form of a pre-audit, basing on Green Code Label's referencial.

One of the criteria of this referencial is the respect of energy consumption which must be weak enough to obtain energy label C (minimum non-eliminatory for passing the label) following WEA's protocol ([www.webenergyarchive.com](http://www.webenergyarchive.com)). Despite a good evaluation on the others criterias of the label (grade silver), first measures showed that energy consumption of the website should be divided by 2 in order to respect this criteria.



Activity area :  
**Metropolis**



Number of employees  
**3220 agents**



Date : **2016**





## METHODOLOGY

Measurements :

- energy consumption of the website
- network solicitations

Methodology of measurement of consumption of the website allow to distribute the energy budget as follows (for a test of one minute) :

- 12 % for loading the page ;
- 88 % for the slideshow (visual rotating at a frequency of 5 seconds).

In order to reduce the consumption of the website, and thus to respect the criteria on WEA's energy label, many solutions were proposed to the client and to the owner builder :

- Optimize treatment of slideshow, however it wouldn't reduce consumption enough to respect the criteria ;
- increase the frequency of the carousel to 15s which would have allowed sufficient consumption to be reduced to meet the criteria;
- Delete the slideshow.

Owner builder and the client have chosen an interesting solution (keep dynamism while limiting consumption) : change the image every time the page is loaded.

New measures after this modification allowed to divide energy consumption of the website by 5 (over a one minute period) and to obtain the energy label A of WEA's measurement protocol.



## DETAILED RESULTS

Energy gains : Division of energy consumption by 5 on the website

Sobriety of website design

Obtention of the Green Code Label grade Gold

