



Experiment !



A NEW LAW:

The building of tomorrow will have positive energy and low emission of greenhouse gases over its entire life cycle.

Criteria for low emission

- (A) the building exhibits greenhouse gas emissions over its life cycle that are below a threshold expressed in kilograms of carbon dioxide equivalent per square meter;
- (B) the building has, by optimizing the management of construction waste, a quantity of site waste recovered above a threshold;
- (C) the building has a minimum share of materials that emit low levels of volatile organic compounds and the ventilation systems are subject to a quality approach described in a by-law;
- (D) the building complies with a minimum level of use of biosourced materials.

Definition of positive energy

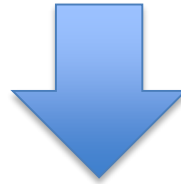
A positive energy building is a building that aims to achieve a balance between its non-renewable energy consumption and its production of renewable energy exported.



Law,
regulation



**French High Council
for Construction
(CSCEE)**



The CSCEE's members are regulators, contractors, designers, building control companies or agency, industries, consumer's association ...

The CSCEE provides to the government opinion, on laws and regulations for construction sector.

The opinion concerns the technical and financial feasibility

Opinion : Positive if guidelines are.

Advise: To organise a MoU and the governance involving the stakeholders (Policy committee, Technical advisory group).



The experimentation aims to prepare the definition of the future environmental regulation of new buildings by allowing:

- **a capitalization** intended to evaluate the method of calculation and the levels of requirements laid down, on the basis of the constructions tested;
- **sensitization and preparation of the actors** of the sector to the evolutions to come, to the new tools and methods;
- **an assessment of vocational** training and learning curve needs;
- **identification of good practices** and financial feasibility and sustainability issues.





Be positive !

**The Contest for better Use and
Building Efficiency – CUBE 2020**



1.
Concentrate on
usage, first step
towards energy
efficiency

3.
Follow your
progress and
ranking

From January 2017 to December 31st 2017 users of **commercial buildings** are competing on the energy savings you achieve by adopting usage best practices and tuning your installations.

2.
Raise awareness
and mobilise with
the fun of a
competition

4.
Save up to 25% of
energy costs*





HOW'S IT GOING ?

With the conviction that "every action counts", awareness-raising actions will be carried out on site (posting and half-days of training ...) with users so that everyone adopts an eco-responsible behavior at his place of work!

Each month, the energy consumption of the various participating buildings is collected on a dedicated platform. It is then compared with historical consumption to measure their economies.

Team involved in contest are imaginative and one of them use a "mistigri" sign they hang at the door of office where computer are not switch off after work !

A mistigri is a french black cat giving spell on you .





Some results ...for 1 year contest

- Office building < 2500 m² → 20%
- Office building >2500 m² and < 5000 m² → 25%
- Office building >2500 m² and < 5000 m² → 25%
- Office building >5000 m² and < 12000 m² → 23%
- Office building >12000 m² → 19%
- School and university → 10%
- Other public building → 15%



Contact & Information: cube2020@ifpeb.fr and
www.cube2020.org/europe