

## Greenbridge Incubator

Greenbridge Incubator nv enlarges their offices en demonstration building. 'The Energy Box' at the center of sciences at Ostend. The project supports as an incubator starting and growing business with focus on new energy technologies.

The enlargement of the building also wants to be a demonstration project on sustainability. Before defining the optimal energy concept Ingenium has performed different energy and comfort simulations.

Based on these simulations a micro heat grid on high and low temperature has been chosen. Different energy consumers and producers are connected on this heat grid. For the electrical energy supply a similar smart micro grid will be installed.

The HVAC-installations on the first office floor contain a demand based natural ventilation system with heat recovery by a heat pump.

The heat production installations contain 4 different types of heat pumps (i.e. energy piles, boreholes, exhaust air, outside air). A micro-cogeneration will also be installed.

Ingenium is the engineering and consultancy company for the installations and the energy concept.



Reference: 10026.001

### Developer

Greenbridge Incubator nv

### Designer / Architect

Architectuurstudio

### Location

Ostend

### Budget technics

approx. 1.000.000 EUR  
(excl. tax)

### Surface

2.500 m<sup>2</sup>

### Periode Study:

2010-2011

### Services

Sustainability &  
Certifications  
Building services  
engineering