Pôle Alsace énergivie
Positive energy building solutions
European strategic objectives

The construction sector is the highest energy consumer in EU (about 40%) and main contributor to CO2 (36% of the EU’s total CO2).

The European Council set clear goals for 2020:

• Increase energy efficiency to achieve a reduction of 20% of total energy use
• 20% contribution of Renewable Energies to total energy use
• 20% reduction of CO2
Energy efficiency in buildings

According the European commission

“Energy performance of buildings is key to achieve the EU climate & energy objectives.”

“Improving the energy performance of buildings is a cost-effective way of fighting climate change & improving energy security, while also creating job opportunities, particularly in the building sector”
The construction sector represents 30% of industrial employment in the EU, contributing about 10.4% of the GDP, with 3 million enterprises. Overall 50 million workers in the EU depend, directly or indirectly on the construction sector.

The Energy-efficient Buildings (launched under the European Economic Recovery Plan) will devote around €1 billion in the period 2010-2013 for research projects on new methods & technologies to reduce energy consumption & CO2.
Construction sector market in France

The building stock in France represents around 30 millions of buildings and his rate of renewal is below 1%.

One of the main actions will be to focused on the refurbishment to transform existing buildings into energy-efficient buildings specially the 20 millions of buildings built before 1980 (75% of energy consumption)
Main goals

- Development of innovative solutions for positive energy solution on new buildings & refurbishment of existing buildings
- Create knowledge for future business development
Three strategic objectives

- Make a success of the technological jump
- Make competitive the positive building value chain
- Contribute to the elaboration of future standards
French competitiveness cluster
Alsace Energivie is the only cluster in France devoted to energy efficiency for building.

It brings together the essential professions from the sector:

- Design
- Construction
- Energy production equipment
- Process control systems
- Launching of innovative solutions
89 members including

15 international companies
58 innovative small & medium size enterprises
46 600 employees & turnover of 4 Billion euros
Universities, schools and R&D centers
Performance of the construction sector

Competence & human resource

Marketing

Design, envelope & components

Standard

Systems & equipment for energy production / Smart grid

Our strategy

Organizational innovation

Educational innovation

Tertiary innovation

Technical innovation
Pôle Alsace Energive wants to develop:

A cooperation network between European cleantech clusters – Building & energy

Collaborative innovative projects, transnational, between companies, research laboratories, & universities.