

Good Practice factsheet

France - Alsace Region – Energy Performance Contracting for schools

Topic	Private public partnerships for energy efficiency
Name of work programme/project	Energy Performance Contracting (EPC) of the secondary schools in the Region Alsace.
Project scope and description	
Short description of the programme & what it hopes to achieve	<p>The project aimed at improving the energy efficiency of 14 Secondary Schools (190,000 Sqm) of the Region Alsace through measures such as the insulation of buildings, the installation of wood boilers or heat pumps, or the connecting to a heat network, the installation of PV panels, changing of doors and windows, the installation of a remote building managing system etc.</p> <p>It hoped to achieve at least a 35% reduction in primary energy consumption, 65% reduction in CO₂ emissions and 38% savings on the school energy bills. It also aimed at providing the schools with 40% of renewable energy.</p>
What is the scope of the project? e.g. - National/regional/local - Building type/owner	The project was run at the regional level
Who are the key people involved? e.g.: - Installers - Local Authorities	<p>Key people involved in the project include:</p> <ul style="list-style-type: none"> - the Region of Alsace (public partner) - COFELY, an ESCO (private partner), - Local SMEs for the implementation of measures, - An association for the awareness/education part of the project
Who was the target audience?	The project is aimed at secondary schools, its target audience then being students, teachers etc.
How was this work programme/project financed?	Project financed via a public private partnership, the private partner financing costs thanks to a bank loan (Caisse d'Epargne).
What was the cost of the work programme/project?	The private partner invested 30M€, the total amount of the contract (design, building, operating, financing) being about 60 M€.
When did it start and end?	<p>The selection process started in March 2009 and lasted 9 months. An EPC was signed in December 2009 to start in January 2010. Measures were implemented in two steps of 6 months :</p> <ul style="list-style-type: none"> - 10M€ invested to refurbish 7 schools, implementation achieved in October 2010 - 20M€ invested to refurbish the remaining 7 schools, implementation achieved in October 2011.
Project Outcomes & Communication	
What were the key achievements?	The implementation of measures was finished a short time ago so it is too early to evaluate the actual savings resulting from the project. The energy service company (ESCO) is however optimistic and thinks that savings will probably be higher than expected (around 40% in certain school).
What were the outcomes and expected benefits?	<p>Some results of the project:</p> <ul style="list-style-type: none"> - the building of 6 biomass boiler rooms, - the installation of PV panels on 12 schools.

	<ul style="list-style-type: none"> - the connecting of one school to a low carbon heat network, - the improvement /optimization of lighting and heating management in all schools. <p>The Koeberlé de Sélestat school benefited from a 4,3 M€ investment to build a wood-fired boiler room and isolate the building. It should reach a 40% primary energy saving.</p>
What were the key lessons learned?	This project was the first Energy Performance Contract in France relying on a public-private partnership. It has proven this type of programme is efficient and well adapted for financing the refurbishment of public buildings.
Is there anything you would do differently in future?	-
What makes this a good practice example?	Ambitious objectives Fast implementation of measures
Contact details of named person for further information	Conseil régional d'Alsace (Regional authority of Alsace): gaelle.tortil@region-alsace.eu Cofely : Fahima Tabi : fahima.tabi@cofely-gdfsuez.com
Please indicate if this case study can be made available to the public?	Yes