

SCHOOL OF THE FUTURE

NAME: Towards Zero Emission with High Performance Indoor Environment

ACRONYM: School of the Future

FUNDING: VIIFP

PROJECT: The aim of the “School of the Future” project is to design, demonstrate, evaluate and communicate shining examples of how to reach the future high performance building level. School buildings and their primary users pupils - the next generations - are in the focus of the project. Both, the energy and indoor environment performance of 4 demo buildings in 4 European countries and climates will be greatly improved due to holistic retrofit of the building envelope, the service systems, the integration of renewable and building management systems. The results and the accompanying research and dissemination efforts to support other actors dealing with building retrofits will lead to a multiplied impact on other schools and on the residential sector, since the pupils will act as communicators to their families. The user behaviour and the awareness of energy efficiency and indoor environment will be improved due to tailored training sessions. Zero emission buildings are a main goal in various country roadmaps for 2020. The demonstration buildings within the project may not completely reach this level as the aim of the call is cost efficiency and multiplication potential. The retrofit concepts will, however, result in buildings with far lower energy consumption than in regular retrofits with high indoor environment quality - thus leading the way towards zero emission. They can be considered as **Schools of the Future**.

The Cesena's Council will realize an interventions on the T.M. Plauto's secondary School to reduce the energy consuming of the building and create a better intern place.

TOTAL COST: 4.998.588,40 €

CESENA'S BUDGET: 407. 044 €

START DATE: January 2011

END DATE: December 2015

DURATION: 60 months

COORDINATOR OF PROJECT: Fraunhofer Institute for Building Physics (Germany)

PARTNERS: ENEA (Italy);

CEnergia energy consultants (Denmark);

Sbi – Aalborg University (Denmark);

Stiftelsen SINTEF (Norway);

Stoccarda City (Germany);

Ballerup City (Denmark);

Drammen City (Norway);

Cesena Council (Italy) ed [Energie per la città Spa](#);

Aldes Spa (Italy);

Saint Gobain - Isover a/s (Denmark);

Glass og Fasadeforeningen (Norway)

Schneider Electric Building Denmark as (Denmark).

CESENA'S SECTORS: Public Housing Sector

European Project Office- Director Staff