



# Co<sub>2</sub>olBricks

[www.co2olbricks.eu](http://www.co2olbricks.eu)

## Project Description

Co2olBricks is a project that is looking for solutions to modernise historical buildings. The aims are to protect their historical value as well as reducing their energy consumption.

The conservation of heritage, in particular of historical buildings, is a common goal in the Baltic Sea Region (BSR). Due to the common identity in the BSR it is very important to protect the historical buildings with their individual characteristics; that will preserve the attractiveness and competitiveness of the cities around the Baltic Sea.

Modern heating, thermal insulation and windows of a high thermal standard are the technical solutions for new buildings. In historic buildings the boundary conditions were often not investigated; in many cases serious damages, defects or disadvantages are caused by applying technical solutions for new buildings to existing buildings. In Co2ol-Bricks for the first time a combined insulation and heating concept for old buildings is developed and for the first time we are researching the basic conditions of such a heating concept (i.e. the building shell) and challenge the theoretical calculations as well.

Nowadays climate protection goals and heritage conservation are often in conflict with each other. Regarding the restoration of old buildings it is difficult to decide between no/bad climate protection and no/bad heritage conservation. This project, however, aims to find solutions to combine the necessary CO<sub>2</sub> reduction targets with technically, administratively and historically adequate approaches to heritage conservation.

Especially the BSR's brick architecture in the former area of the Hanseatic League presents an excellent possibility to find transferable methods and solutions.

## Basic Project Information

The project has been granted under the "Priority1: Fostering Innovations" by the Baltic Sea Region Programme 2007 - 2013. Co2olBricks started in December 2010 and runs until December 2013. During this time it has a total budget of 4,3 Mio. €. 18 partners from 9 countries with 9 languages work together.

Furthermore several „Associated Partners“ are involved in the project and support the project in different ways. They also benefit from the project results. Involved partners are foundations, bodies of economy, institutions and associations in the field of heritage conservation and education.

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### Imprint

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Climate Change  
Cultural Heritage & Energy  
Efficient Monuments





## Main Aims | Workpackages

The main issue of the project is the following: How to reduce the energy consumption of historical buildings without destroying their cultural value and identity? Every country in the BSR and in the rest of Europe has to face this challenge and has to look for solutions. That is the point the project starts from.

Main objectives are:

### Policy Development

- to forward the political discussion on national and transnational level about the installation of new cooperation models between administrative institutions, architects, engineers, housing and building companies and affected building owners.

This cooperation should lead to:

- implementing new strategies for technically, administratively and historically adequate approaches
- creating the political and administrative basis to implement the technical, educational and economical solutions
- declaring a transnational common position.

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### Technical Innovations

- to find new technical solutions concerning energy saving potentials of historical buildings and to implement, monitor and evaluate pilot projects for historic buildings for optimised energy consumption.

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### Education

- to upgrade the knowledge and education of architects, engineers, craftsmen, etc. to harmonise the curricula with the objective of an open market.

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