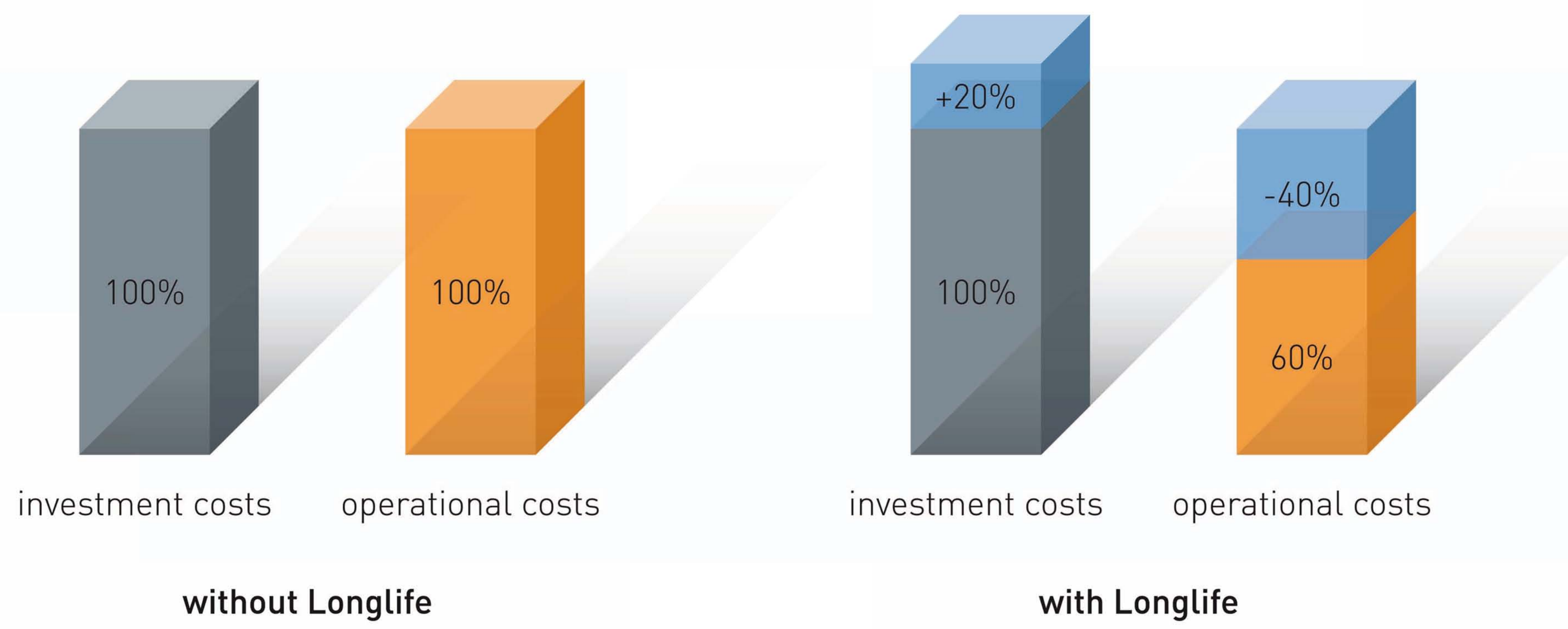


Longlife



Sustainable, energy efficient and resource saving residential buildings with consideration of unified procedures and new and adapted technologies

Comparison investment and operational costs



Involved Countries

from the Baltic Sea Region Programme



- Germany
- Denmark
- Poland
- Lithuania
- Russia

The eligible area of the EU funds, Baltic Sea Region Programme, includes EU member states Denmark, Estonia, Finland, Latvia, Lithuania, Poland, Sweden and northern parts of Germany, as well as the neighbouring countries of Norway, north-west regions of Russia and Belarus.

Challenges

- × climate changes and energy inefficiency in buildings
- × EU resolution – reducing energy supply about 20% till 2020
- × correlation in existing residences in countries of the Baltic Sea Region

Objectives

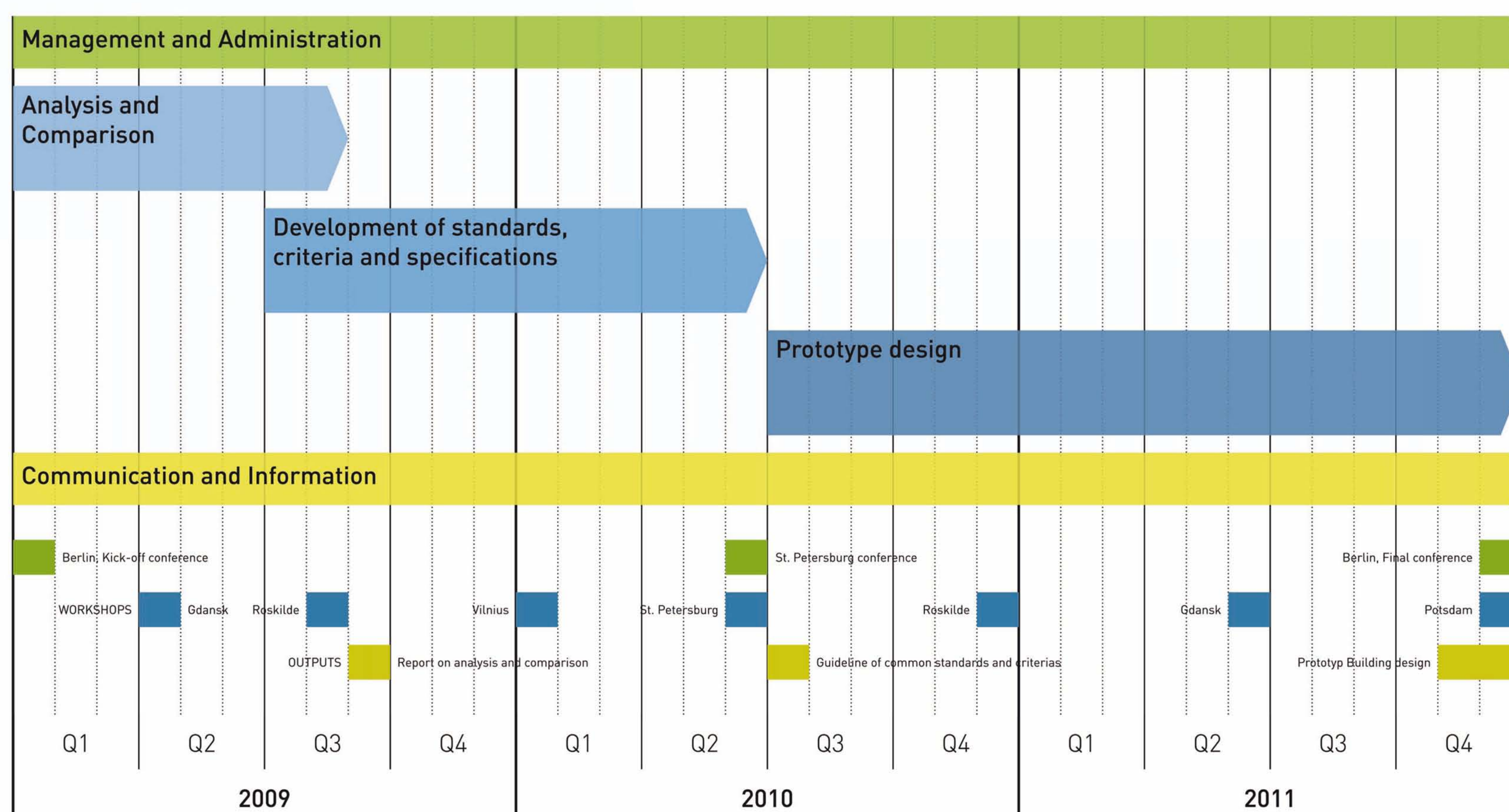
- × European cooperation in the building economy
- × creating innovative approaches for EU-guidelines and recommendations
- × Quality improvement of building material and technologies
- × enhancing efficiency of resource usage
- × orientation on long-term lifecycle „Longlife“ aspects of buildings for operators and users
- × integrative planning

Project Partners

Partners from Denmark, Germany, Lithuania, Poland and Russia work jointly in national units and competence teams.

Germany	Berlin Institute of Technology Center of Competence for Major Housing Estates ProPotsdam GmbH
Denmark	CENERGIA Municipality of Roskilde Building Association of Zealand
Poland	Gdansk University of Technology City of Gdynia
Lithuania	Vilnius Gediminas Technical University Certification Center of Building Products Building Planning Systematics Centre
Russia	Saint Petersburg State University of Architecture and Civil Engineering Joint-stock company "Hypothecary Agency of Leningrad oblast" North-West-Inter-Regional Center AVOK

Process



Output – Prototype Building with certification



The high-end technologies are still not widely used in large-scale housing construction. Owners and investors don't introduce new energy-efficient technologies as these are more expensive.

The project "Longlife" aims to optimize methods for buildings and construction, adapts and implements new technologies and harmonizes building procedures between countries. These will lead to reduction of the energy consumption during the building's lifecycle. The project will also tackle the financing of sustainable residential buildings through various EU funds.

The prototype residential building is the result of the implementation of these guidelines and the most important output. Complete planning, administrative and tender documents for a prototype building will be available. They will be based on common standards, still adapted to regional conditions.

The prototype building will be certificated as a sustainable building.