



The path to a nearly Zero Energy SPORT Building retrofit

Under STEP-2-SPORT project, a Roadmap towards nearly Zero Energy SPORT Buildings has been elaborated in order to support the refurbishment of the existing sport buildings through step by step renovation. The roadmap addresses the key steps to be considered by sport owners, but also sport facility managers, for achieving nearly zero energy sport buildings, including a description and the potential savings of a wide variety of energy improvement measures that can be implemented.



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How to finance the energy renovation towards nZEB concept

In the last years, budget cuts have reduced the number of sports facilities investing in energy improvement measures with medium-long paybacks. It's important to not be dissuaded from some measures with longer payback periods since large percentages of possible energy savings may be lost. Bundling long payback measures with quick payback measures can make the combined rate of return more competitive, while at the same time major savings can be achieved.



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Current state of implementation of NZEB construction

The topic of zero energy buildings (ZEB) has received increasing attention in recent years, until becoming part of the energy policy in several countries. The main terms that are used to describe/define a Zero Energy Building are "Net Zero Energy Building" and "nearly Zero Energy Building". In the recast of the EU Directive on Energy Performance of Buildings (EPBD), it is specified that by the end of 2020 all new buildings shall be "nearly zero energy buildings" and a nearly zero energy building is defined as "A building that has a very high energy performance as determined in accordance with Annex I..."



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Co-funded by the Intelligent Energy Europe Programme of the European Union

