



step by step renovation towards nearly zero energy SPORT buildings

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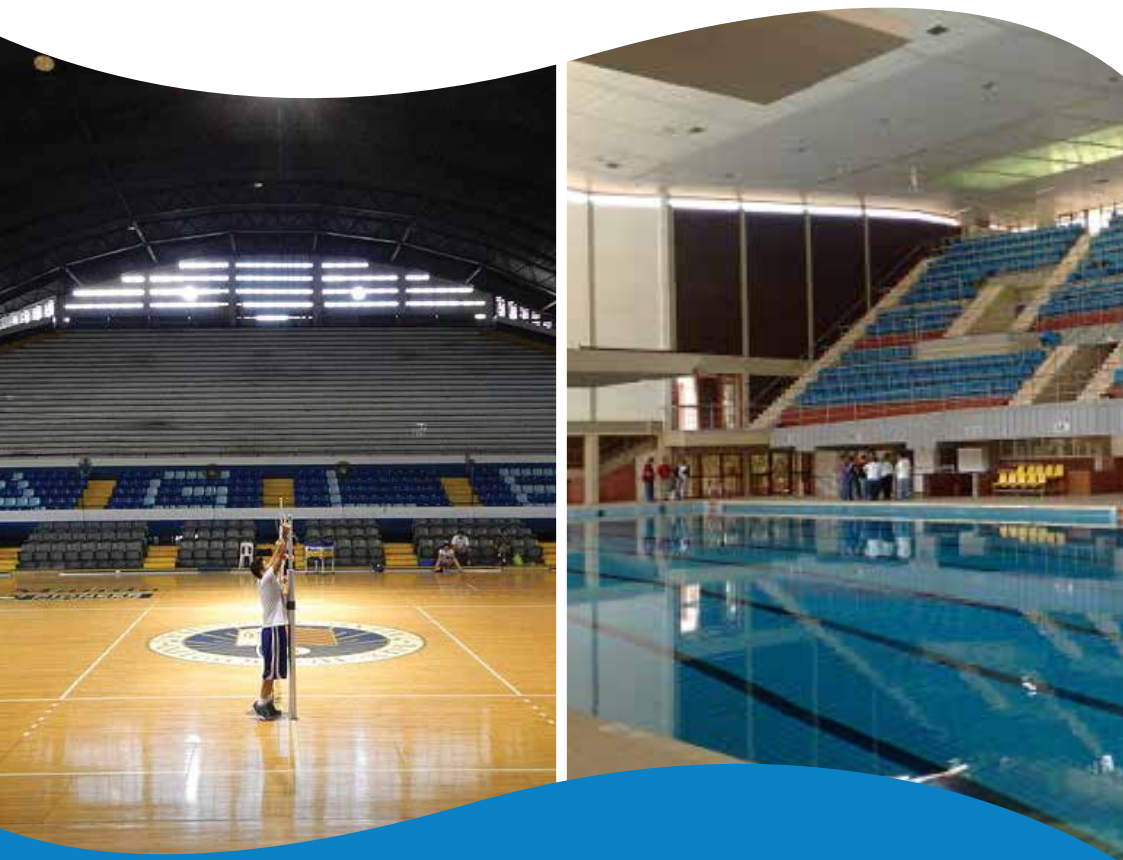


SKÅNE ENERGY AGENCY



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







In Europe, there are around one million and half sports facilities, which represents 8% of the overall building stock. Most of them were built before 1980 without taking into account energy criteria and thus need refurbishment so that their energy consumption characteristics will improve, because no considerable changes have taken place to the initial conditions. According to studies in the UK, sport facilities can account for up to 10% of annual energy consumption of the building sector. Therefore, it is necessary to stimulate Energy Performance Certification (EPC) as a driver for step-by-step renovation towards nearly zero energy buildings (NZEB) in existing sport facilities. The STEP-2-SPORT project covers the field Integrated Initiatives, focused on energy efficiency and renewable energy use in buildings. The project aims to support the refurbishment of the existing sport buildings through step by step renovation towards NZEB, contributing to the EU energy objectives. Pilot sport facilities from 7 different countries (Sweden, Poland, Portugal, Spain, Italy, Greece and Bulgaria) are participating in the project.



Project's objectives

1. To promote the implementation of step-by-step renovations towards Nearly Zero Energy in European Sport Buildings.
2. To increase the number of existing sport buildings with Energy Performance Certification across EU, as a driver for step-by-step renovations towards NZEB.
3. To increase the investments of sport facilities owners towards improving energy efficiency and using of renewable energy sources in sport buildings. Nowadays, in some countries investment costs represent a significant financial barrier to the use of energy efficient technologies.
4. To reduce emissions of greenhouse gases, supporting Energy Efficiency Action Plan 2011 and commitments such as Covenant of Mayors with the aim to reduce signatories CO2 emissions by more than 20% by 2020 through sustainable energy measures on their territories.

...and actions to achieve them

-  **Energy audit:** to determine the energy use of the building and identify energy improvement opportunities
-  **Energy Performance Certification:** to determine the energy rating of the building (A, B, C, D, E, F, G)
-  **Action Plan:** definition of improvement measures to be implemented over the next 10 years in order to be a nearly zero energy building.
-  **Implementation of energy improvement measures**
-  **Guided Visit to the facility in order to make public the energy improvements implemented**
-  **Technical training session to encourage the renovation of sport buildings**



Energy Audits
Energy Rating
Action Plan

-  Renovation of Sport Buildings
-  Nearly Zero Energy
-  Reduce Emissions

Improvement Measures