4th QUALICHeCK Conference

EPBD Perspectives for compliant and smart buildings

EPBD Review – Opinions and Discussions

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EuroACE Opinion regarding suggested EPBD Changes

How to Make the Most of It! Energy Efficiency Legislation in the ‘Clean Energy for All Europeans’ Package

Smart Buildings: Energy Efficiency First!
EuroACE Opinion regarding suggested EPBD Changes

‘Clean Energy for All’ is best delivered by energy renovation of buildings

Energy Performance of Buildings Directive (EPBD)
5 recommendations

Energy Efficiency Directive (EED)
3 recommendations
# Boost certainty for energy efficiency markets by setting a 40% energy efficiency target for 2030 (binding at EU level)
# Ensure that Article 7 becomes a true enabler for more investment in energy renovations
# Clarify precisely which measures are eligible for inclusion under Article 7 and accurately define additionality

Governance Regulation
2 recommendations
# Guarantee that the preparation, reporting and monitoring of national energy and climate plans are fully aligned and coherent with the adopted timeline for similar actions under the Paris Agreement on Climate Change
# Set the enabling conditions for full engagement of relevant stakeholders in the preparation and implementation of national energy and climate plans
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#1 Include an ambitious and clearly defined long-term vision, that puts Energy Efficiency First, delivering a highly energy efficient, comfortable and decarbonised building stock by 2050
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#2 Elaborate, strengthen and implement national long-term renovation strategies to deliver the 2050 vision, taking account of adopted standards that ensure high energy performance and increased comfort
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#3 Provide a framework that inspires Member States to set appropriate trigger points in the life of their buildings for energy renovation works to be undertaken
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#4 Ensure better information to building owners and users promoting the evolution of Energy Performance Certificates into Building Renovation Passports
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#5 Optimise technical building systems to enhance energy efficiency and controllability of buildings and accelerate digitalisation and use of advanced technologies towards Smart Buildings
A Smart Building is a building where high energy efficiency, cost effectiveness and performance are assured, meaning that the right materials and equipment are specified, installed and maintained to deliver the highest possible intrinsic energy performance coupled with high indoor comfort and well-being. This builds on the definition of an nZEB (nearly-zero energy building) in the EPBD.

A Smart Building has a functional, comfortable and healthy indoor environment and its very low energy demand allows for a wide choice of cost-effective, renewable energy sources to be used to fulfil that demand. A Smart Building optimises energy flows and energy usage patterns, through the integration of its design, materials and technical systems.

A Smart Building is also connected through the grid to its district. Thus, being fully integrated into the wider energy system, a Smart Building can, through demand response and energy storage, ensure increased flexibility and deliver better value to owners and occupants.

A Smart Building, with its advanced and connected technologies, empowers its owner or occupant to take informed decisions about energy use throughout the lifetime of the building through the provision of reliable, protected, real-time data.
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- Support to the idea
- Further to be defined in Delegated Act, in consultation with stakeholders
- To include aspects covered in our Smart Buildings Position Paper
- Link with EPCs / Building Renovation Passports (as module)
- Start with a specific segment of the building stock?
Stay tuned for more information!