

# Streamlining savings from BACS within the EED framework

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## **Abstract. (1504 characters)**

The H2020 project streamSAVE streamlines energy savings calculations in frame of Article 3 and 7 of the Energy Efficiency Directive (EED) covering energy efficiency targets and national energy savings obligations, respectively. To this end, Priority Actions are selected: measures with high energy savings potential, which are considered a priority issue by Member States. One such topic is Building Automation and Control Systems (BACS), implying the need exists to estimate energy savings of BACS for heating, cooling, domestic hot water, ventilation and lighting across residential and non-residential sectors. However, as BACS cover a wide range of product types, it is a challenge for Member States to map the BACS already installed in the building stock. In addition, it is not easy to evaluate the energy consumption of buildings in terms of energy consumption per end-use type. In order to correctly estimate the energy savings, consistent and reliable data must be obtained, and baselines must be clearly defined. streamSAVE has developed a methodology to calculate the effect on final energy consumption of buildings, that occurs from installing or upgrading BACS. The project also prepared indicative calculation values on EU-level. Although these would preferably be adapted to national or regional circumstances, they could be used by Member States in case more specific data are not available. This methodology was presented to stakeholders and an online training module has been developed.

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