

HOW SMART CAN A BUILDING BE?

The Smart Readiness Indicator (SRI)

In the EU, every Member State can decide to introduce a label showing how smart buildings are.



Why use smart technologies?



Smart technologies in buildings make it possible to live and work in healthier and more comfortable buildings with lower energy use and carbon emissions.



All buildings can benefit from basic smartness upgrades like room thermostats.



Buildings with photovoltaic panels and electric cars

can benefit from advanced energy management systems.



Smartness is one of the few options to save energy in historic buildings.



Smarter buildings can save up to 30% of the energy they consume.

In Europe, office buildings represent



25% of the non-residential floor space

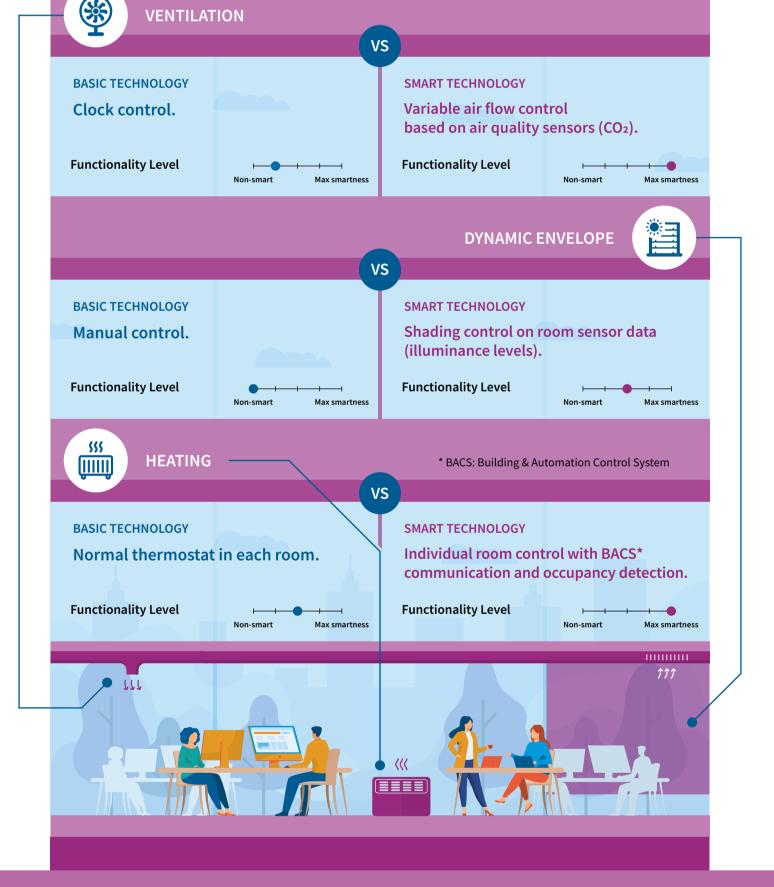
> 26% of the energy consumed in tertiary sector

Improving the smartness of office buildings not only allows to achieve energy savings, but also contributes to improve well-being in workplaces.

Source: Lapillonne B, Sebi C, Pollier K, Mairet N. Energy Efficiency Trends in Buildings in the EU - Lessons from the ODYSSEE MURE project. ADEME

How can smartness in offices improve the physical and emotional health of its users?

VENTILATION



Positive impacts beyond energy savings

Better Indoor Environmental Quality (IEQ) tends to		Improved control level on shading system
Increase the occupant satisfaction	1	Reduces heating and/or cooling needs
Increase employee's health and productivity, / reducing sick leaves, absenteeism and turnover		Improves thermal and visual comfort of employees
Reduce direct medical costs for sick leaves or indirect costs related to poor employee performance		Allows more visual contact with nature because the blinds are down only when needed, with proven positive effects on concentration, stress, and cognitive performance

There is still a long way to go

The SmartBuilt4EU project aims to raise awareness amongst building owners and occupants of the value behind building automation and electronic monitoring of technical building systems.

The smart buildings community supports EU policies and funding programmes to encourage the further uptake of smart buildings.





Are you a building owner, a manufacturer or a sustainability professional?

Are you working on an **innovation project** that needs a boost in visibility?

Do you want to contribute defining the future EC-funding calls on smart buildings?

Support the deployment of smart buildings and join the community! smartbuilt4eu.eu/join-our-community

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