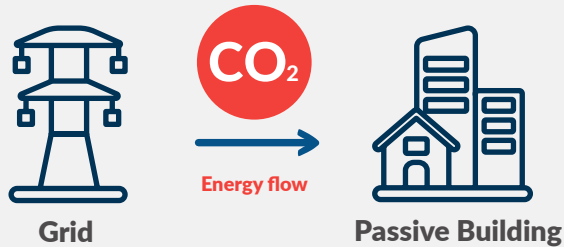


## BUILDINGS AS OF TODAY...

- ✗ Levels of smartness remain low
- ✗ No IoT & ICT integrated
- ✗ Low digitalization
- ✗ Low flexibility potential
- ✗ Inefficient operation
- ✗ High CO<sub>2</sub> emissions



... REMAIN A DEAD END FOR THE ENERGY TRANSITION.



### TECHNICAL IMPACT

Energy efficiency increase **up to 40%**  
Flexibility potential **up to 50%**  
Smartness upgrades **up to 93%**



### ENVIRONMENTAL IMPACT

CO<sub>2</sub> emission reduction **>2GtCO<sub>2</sub>**  
Primary energy savings **7,4 GWh/year**  
More efficient building management  
Low-carbon technologies

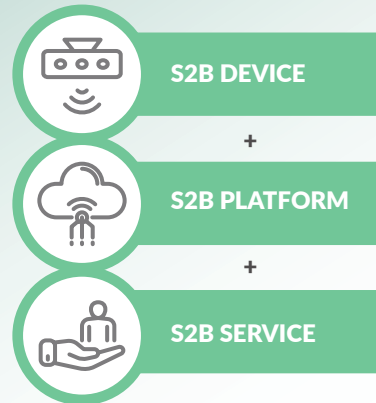


### SOCIAL IMPACT

Creation & promotion of CECs  
Creation of jobs & knowledge in EU  
Enhancing EU innovation capacity

## Smart2B

Smartness to existing Buildings



## BUILDINGS WITH Smart2B

- ✓ Upgrade to high smartness level
- ✓ IoT & ICT fully-integrated
- ✓ 2-way communication enabled
- ✓ Active building control
- ✓ Provision of energy & non-energy services
- ✓ Low CO<sub>2</sub> emissions



... TRANSFORM TO AN INTERCONNECTED, ACTIVE ELEMENT OF THE ENERGY SYSTEM.



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**Starting in September 2021** and for the following 36 months of activities, **11 partners** will collaborate to develop new software and hardware solutions for automated management and control of legacy equipment and appliances in order to upgrade smartness levels of existing buildings.



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