

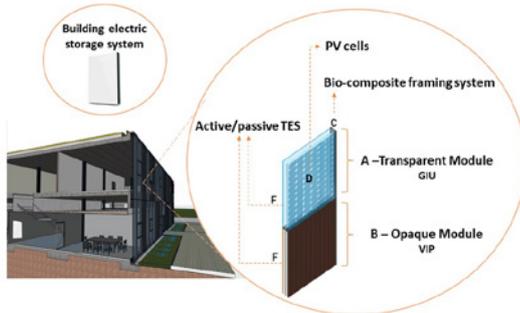
POWERSKIN+

## Highly advanced modular integration of insulation, energizing & storage systems for non-residential buildings

The project aims to develop a truly innovative façade solution based on the smart integration of highly energy efficient components, including super-insulative elements, solar energy harvesting and active energy storage features, all in one single combined active/passive management system especially addressed for modern non-residential lightweight *Curtain Wall* and *Double Skin Frame (DSF)* retrofitting solutions.

Powerskin+ intends to be at the forefront of the first generation of off-site prefabricated, modular “ready-to-buy” and easy-to-install glazing and opaque elements, with sustainable ecodesigned connecting framings, improved functional coatings, active and passive thermal energy storage (TES) technology solutions and integrated semi-transparent PV cells.

The solar electric harvesting features will be matched and completed with a dedicated large capacity building electric storage system, in a true *energy management turnkey package*.



The project is the combination of:

**+ INSULATION & CLIMATE CONTROL**

**+ EASY MODULE INSTALLATION**

**+ ENERGY HARVESTING**

**+ ENERGY STORAGE**

DEMONSTRATION+

In the scope of the project demonstration will take place at three different demo sites in Europe (Czech Republic, Portugal, Slovenia).

PARTNERS+



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