

IntegRated clean Energy harVesting modUlar enveloPe systems for Positive energy buildings

REV-UP develops and validates integrated, modular Zero-Emission Buildings (ZEB) solutions that combine innovative envelope technologies, renewable energy systems and smart digital tools. Turning buildings into active participants in the energy system



Integrated ZEB Solutions



CEPA-Multifunctional Pre-manufactured Façade

Integrates renewable energy generation, heating, cooling and thermal storage into one modular façade



Dynamic U-Value Façade

Dynamically adjusts the façade's thermal performance to optimise energy efficiency and thermal storage



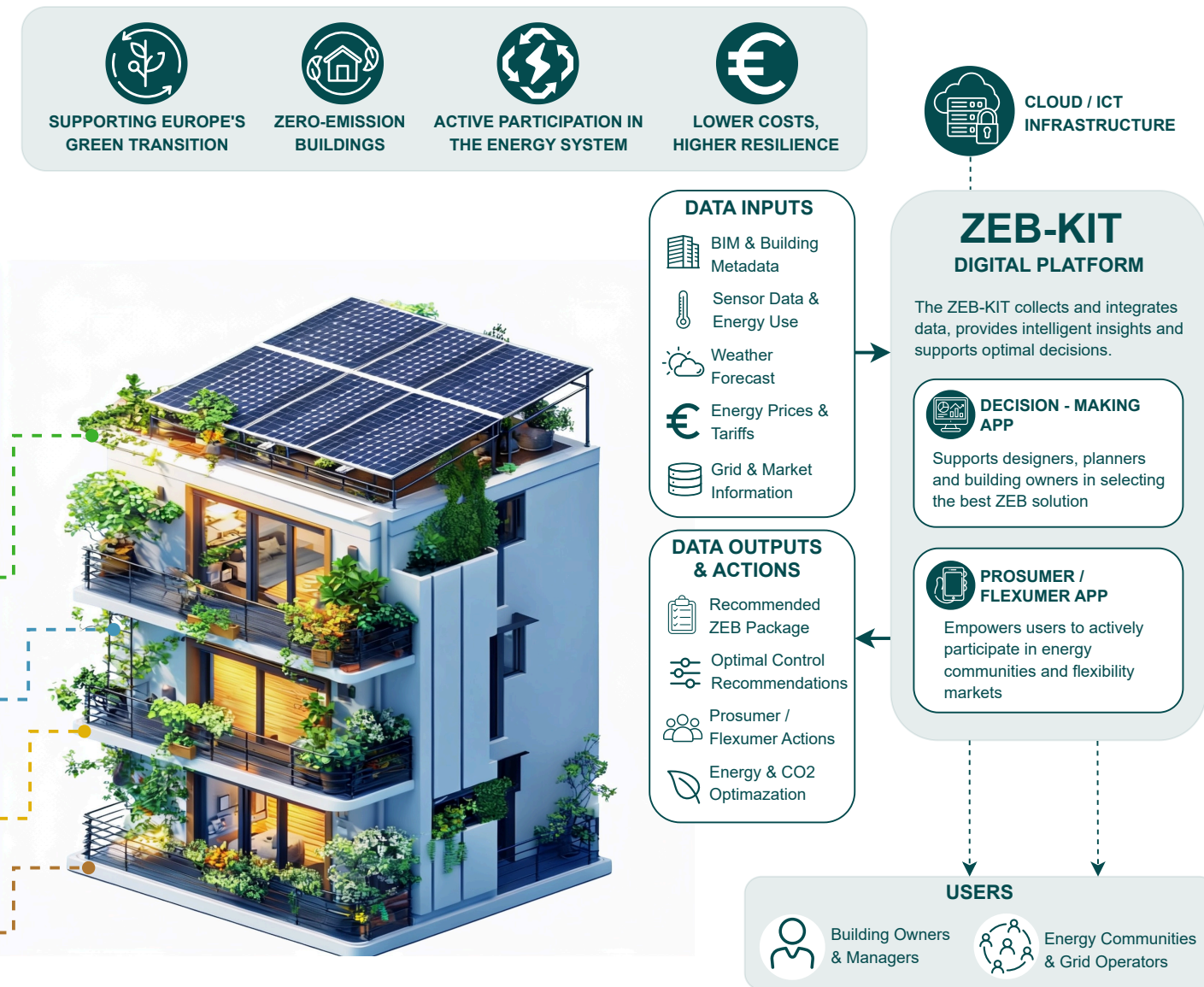
Solar Power Glazed Surface

Generates electricity and recovers solar heat through transparent photovoltaic glazing.



Integrated Ventilation Autonomous Unit

Provides energy-efficient ventilation with heat recovery and individual indoor climate control.



OUR IMPACT



Reduce CO2 emissions



Transform buildings into active energy participants



Improve energy performance



Improve comfort & well-being



Enable flexibility & energy communities

REAL-LIFE DEMONSTRATIONS



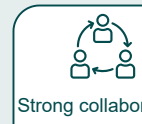
OUR PARTNERS



12 Partners



6 Countries



Strong collaboration across academia, industry & SMEs