



# ENPOWER

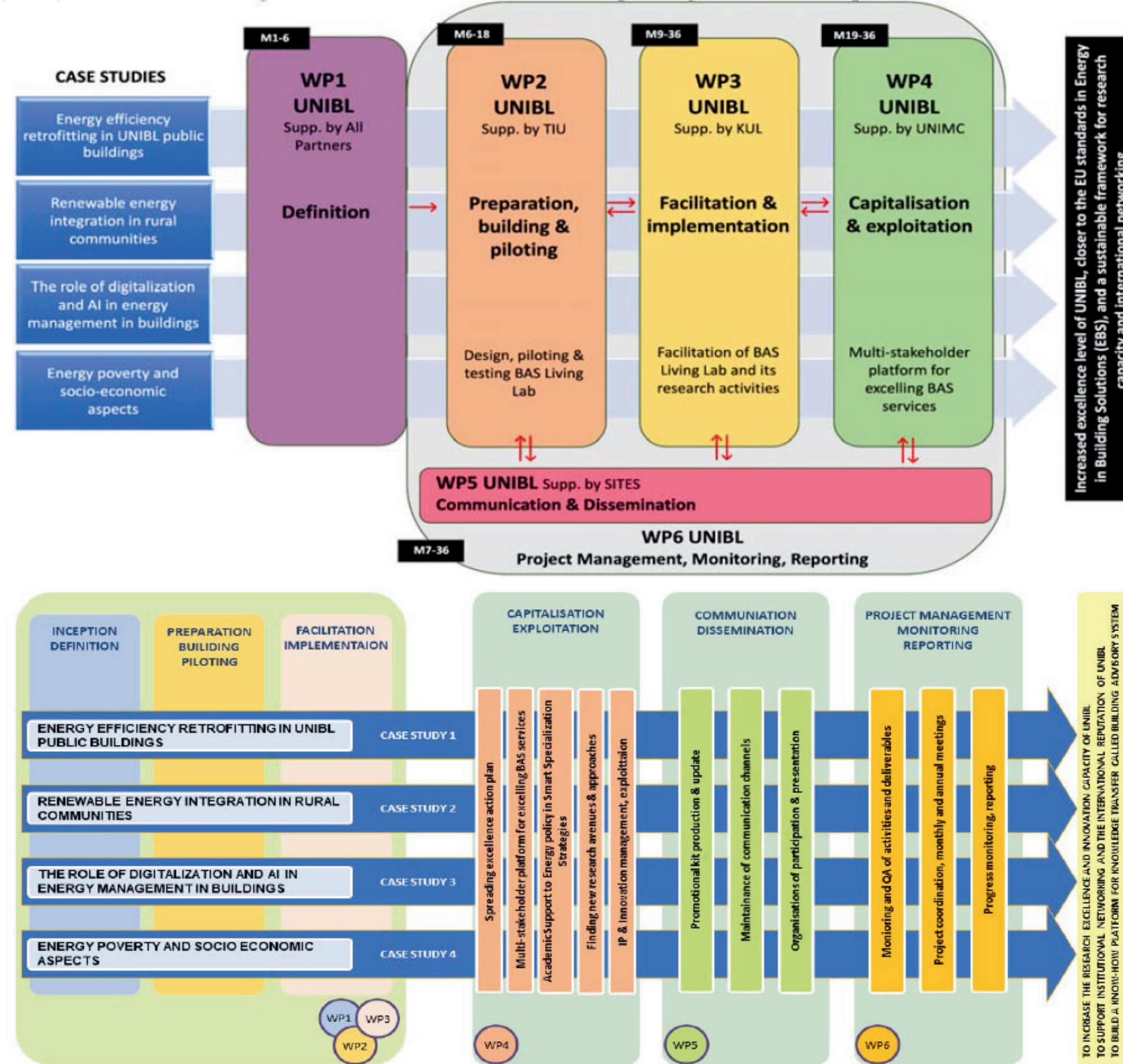
Enhancing Scientific Capacity for Energy Poverty

## Project overview

Energy poverty is a pressing social and environmental challenge across Europe, with disproportionate impacts in vulnerable regions. ENPOWER (2024-2027) strengthens the University of Banja Luka as a centre of excellence in research and innovation on energy poverty, energy efficient buildings and sustainable housing. The project links applied research, capacity building and stakeholder engagement to deliver practical, scalable solutions.

## Objectives

- Strengthen UNIBL research and training capacity on energy poverty.
- Develop and pilot **four applied case studies** addressing buildings, rural renewables, AI-driven management and governance. Establish a **BAS Living Lab** for co-creation among academia, policy, industry and civil society.
- Produce **evidence-based** high-level **research outputs** and **recommendations** for local and national policy.



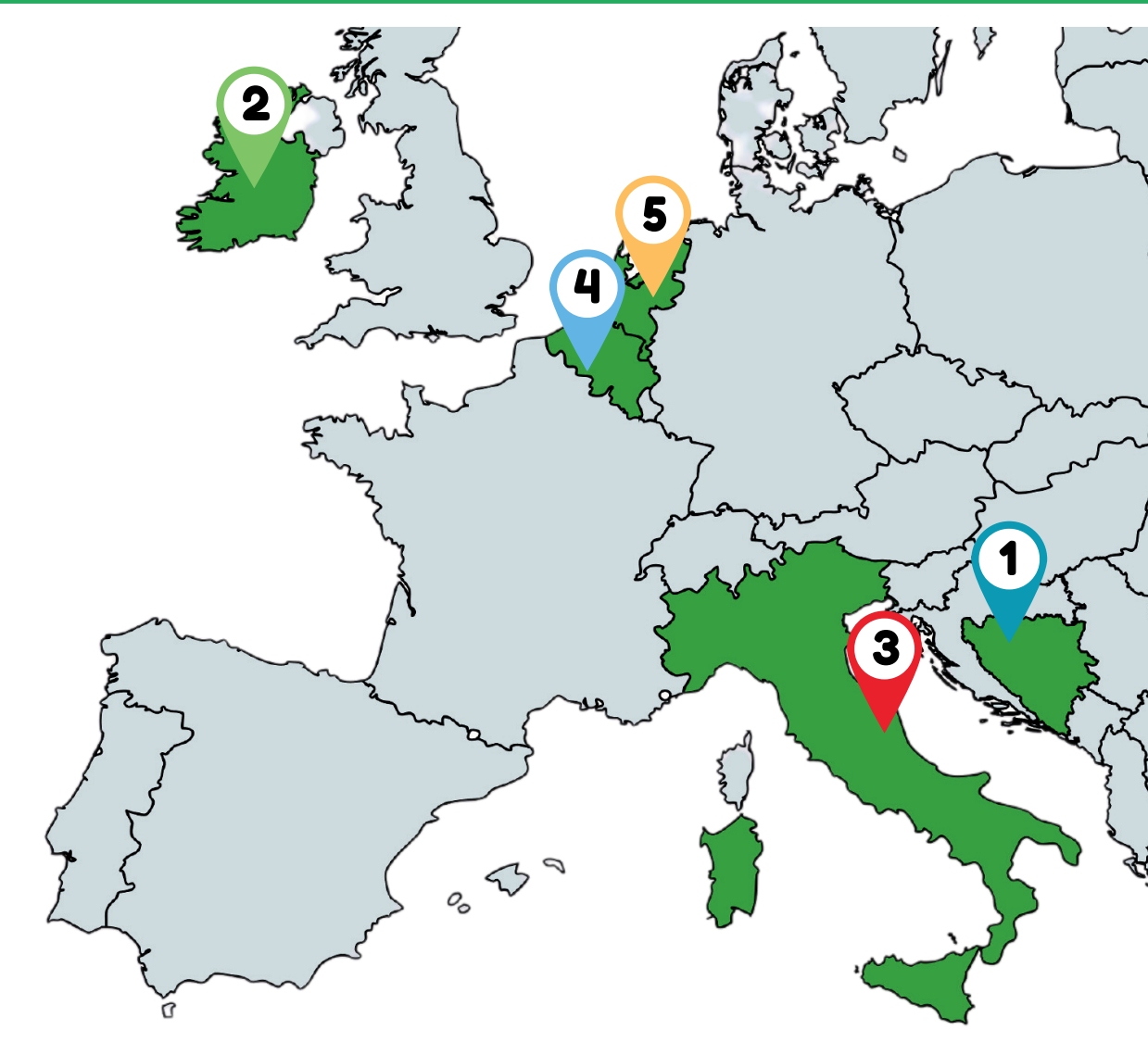
## Main Activities

- **Twinning and mobility:** researcher exchanges, MTCB training and summer/winter schools.
- **BAS Living Lab practice:** co-creation, field pilots and stakeholder advisory services.
- **Digital tools:** smart metering, AI analytics, multi-criteria analysis and data dashboards.
- **Mixed methods:** building physics, techno-economic analysis and socio-economic research.

## The consortium

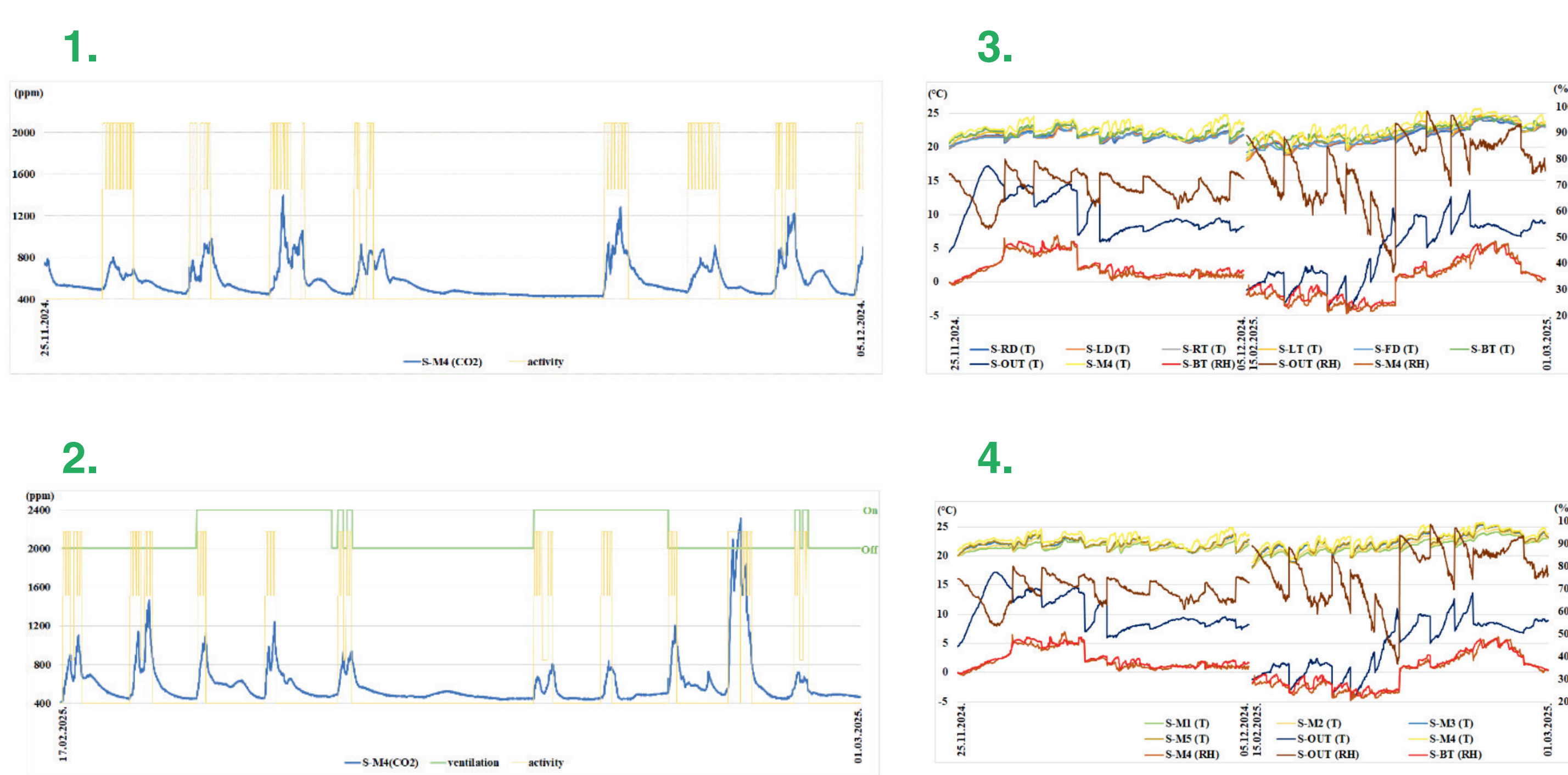
ENPOWER is implemented through an international consortium that pairs local capacity with European expertise by providing UNIBL with crucial support from three European Centres of Excellence (CoE), UNIMC (3), KU LEUVEN (4) and TIU (5), and one SME, SITES (2).

## The partners



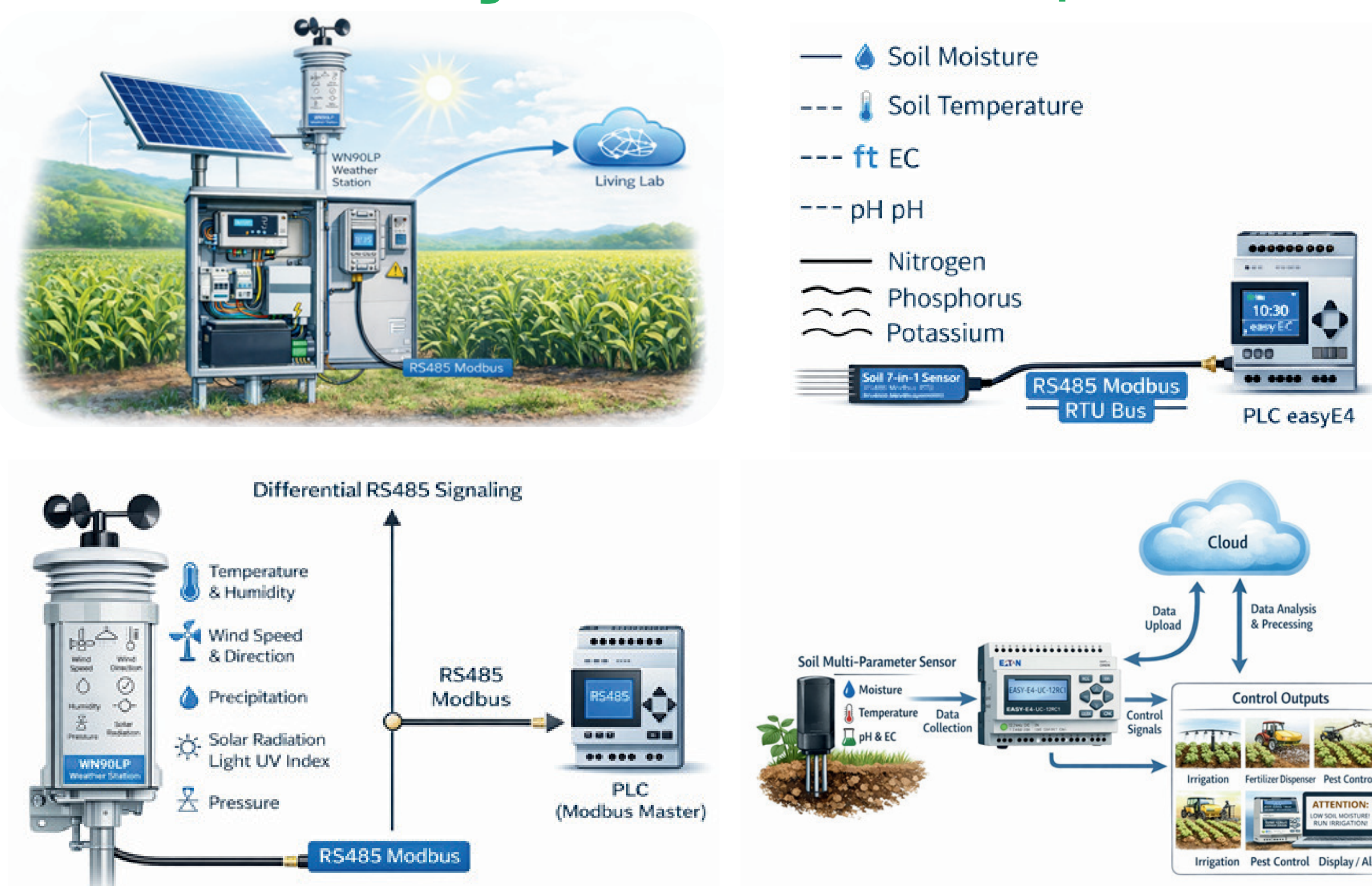
## Case Study 1

### Public Buildings Retrofit (UNIBL)



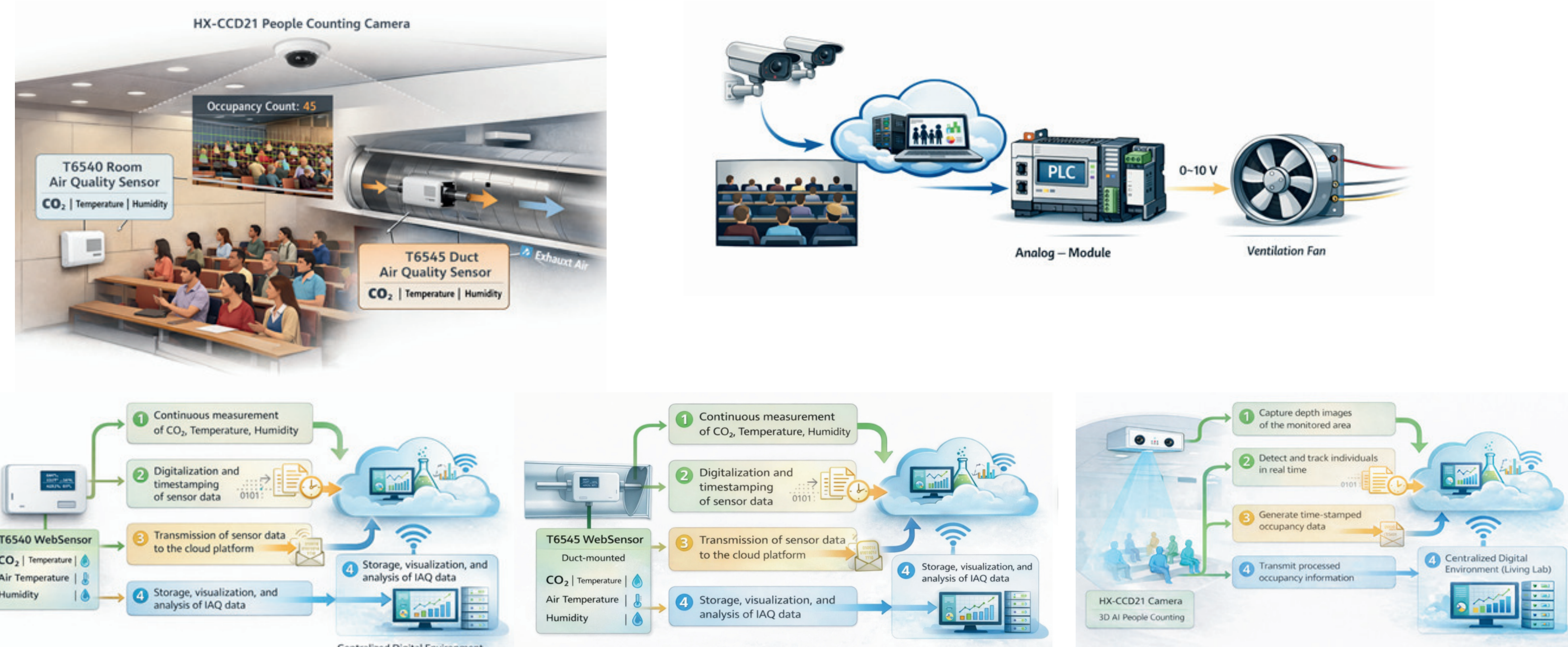
## Case Study 2

### Rural Renewables & Self-consumption



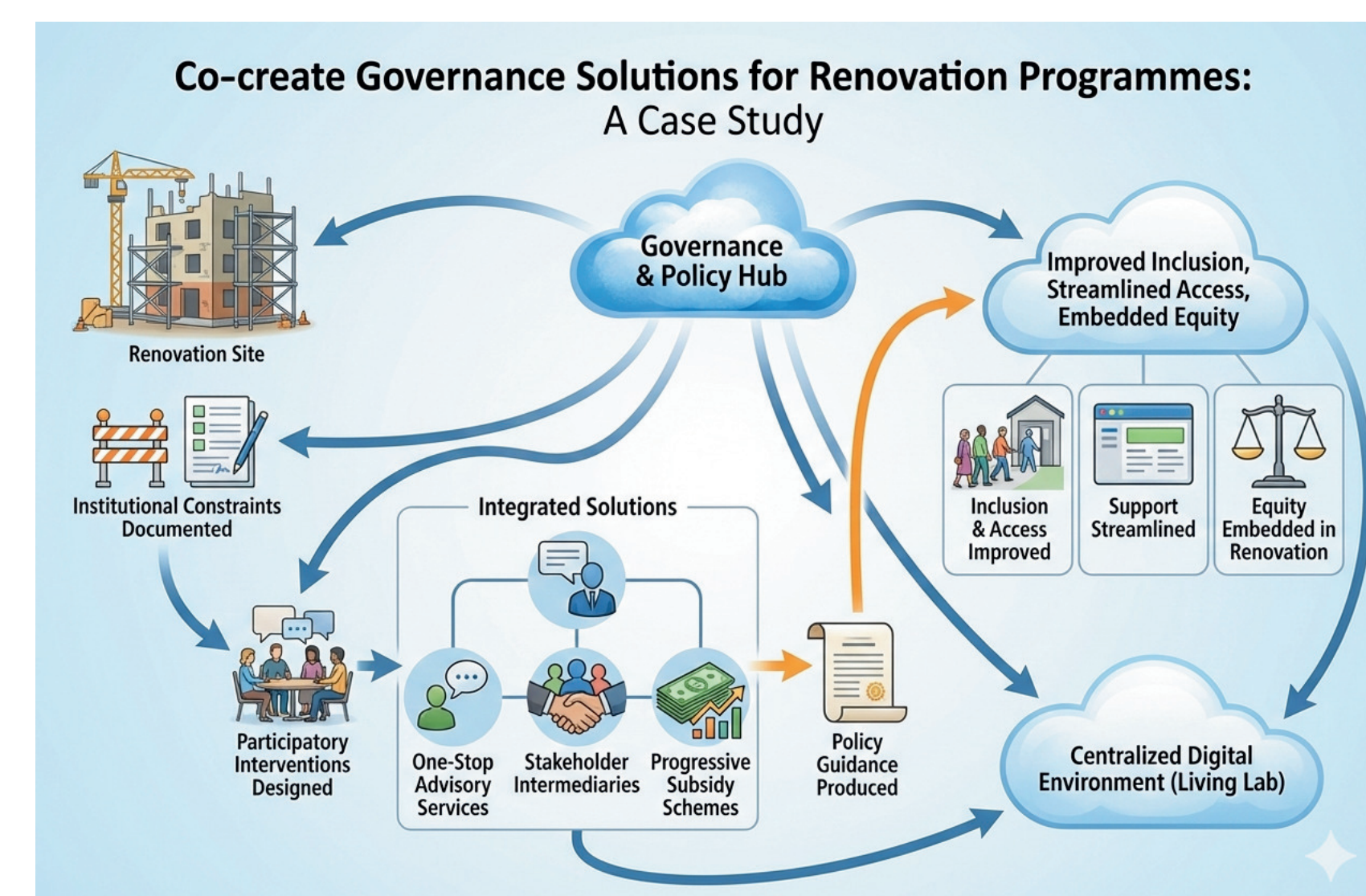
## Case Study 3

### Smart Energy Systems & AI



## Case Study 4

### Socio-economic & Governance



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