

# WHO BENEFITS & WHAT'S NEXT

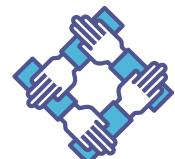
- City authorities
- Planners & engineers
- Students & educators
- Communities

- Tools development
- City engagement
- Knowledge sharing

## Consortium & Partners



11 Beneficiaries from 6 EU countries and 2 associated countries



Multidisciplinary team of researchers, industry experts, and innovators



University of Stuttgart  
Germany



POLITECNICO  
DI TORINO



University of Cyprus  
Department of Architecture



AIDIGITS

nepsLab

Prisma  
Electronics SA



BUILTCOLAB  
DIGITAL BUILT ENVIRONMENT



ACU  
Ahram  
Canadian  
University



**ADAPTive digital  
systems FOR sustainable  
construction and  
material management in  
the Circular Economy**

"The ADAPT4CE proposal received the 3rd highest evaluation score in the Engineering (ENG) sector, highlighting its excellence, innovation, and potential impact."



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# Vision & Mission

ADAPT4CE envisions a new era in sustainable construction by integrating Circular Economy (CE) principles with digitalization, AI, and advanced manufacturing. Our mission is to transform the construction sector, reducing reliance on virgin materials, minimizing waste, and ensuring sustainable, high-performance buildings.

## Key Objectives



### Digital transformation

leveraging cutting-edge digital tools, AI, IoT, and advanced data analytics



### Circular Construction

designing buildings and materials that minimize waste, maximize reuse, and promote sustainability



### Industry-Academia Collaboration

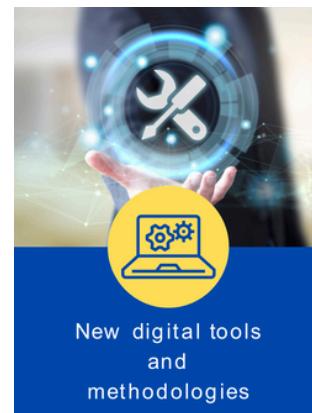
knowledge transfer, skill development, and interdisciplinary cooperation



### Policy Recommendations

influence policies and industry standards

# A Digital Pathway to Circular Construction



New digital tools  
and methodologies



Enhanced circular  
construction  
practices



Strengthened  
international and  
intersectoral  
collaboration

Cities need smarter, more circular, and digitally supported construction practices.