



BUILDSPACE

Innovation behind BUILDSPACE



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Key Advanced Technologies

Did you know that..?

BUILDSPACE, as an innovative and cutting-edge project, utilizes satellite data analysis, digital twins, virtual and augmented reality (AR/VR), and drones equipped with thermal cameras.

Why are they relevant?

BUILDSPACE will collect and analyze information from these advanced technologies to effectively monitor the energy performance of the city's buildings to support stakeholders' informed decisions and develop strategies for the sustainability and resilience of cities against the risks posed by climate change.



BUILDSPACE ADVANCED TECHNOLOGIES



Satellite data
i.e. EGNSS and
Copernicus



provides satellite imagery and earth observation data of the earth's surface and its atmosphere.



Digital Twin



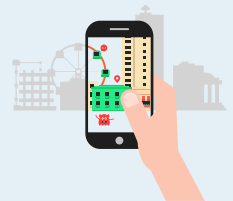
is a digital representation of a physical object or a process, contextualized in a digital version.



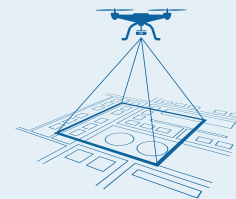
Augmented Reality
(AR)/
Virtual Reality (VR)



AR takes digital images and layers them in the real world.
VR uses a headset to place the user in a computer-generated world.



Drones with
thermal cameras



pick up infrared radiation emitted by various objects, showing the temperature distribution.

Do you know which BUILDSPACE services use these innovative technologies?

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