
Interreg
North-West Europe
Digital Deconstruction
European Regional Development Fund
BIMY
3rd International Reversible
Circular Building Symposium
BRIDGING THE GAP
The role of new techniques
as scanning
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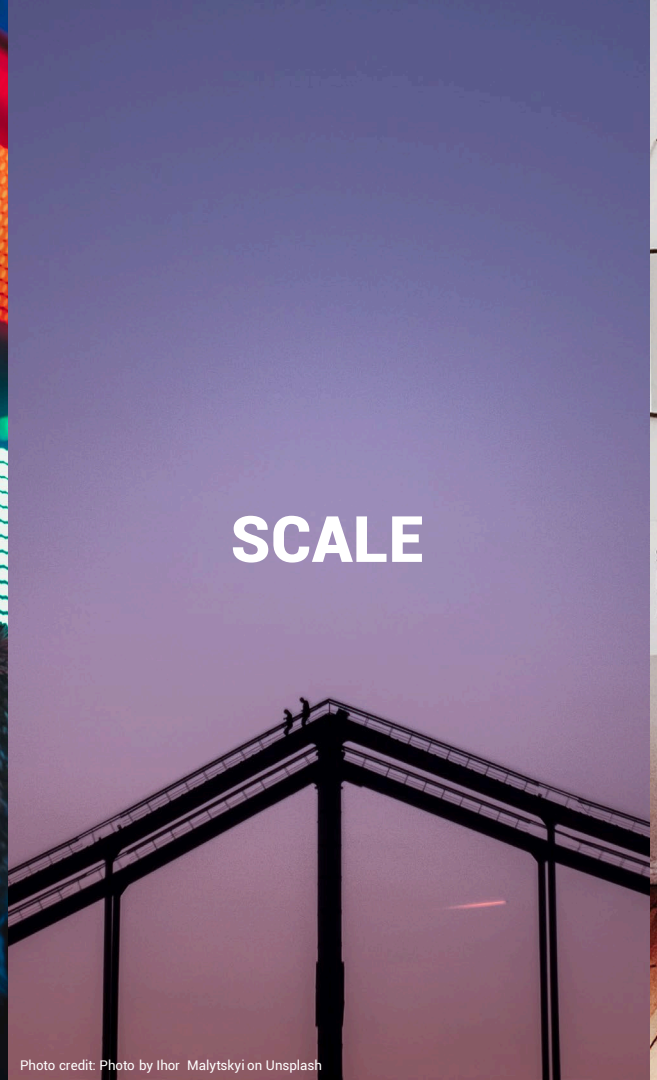

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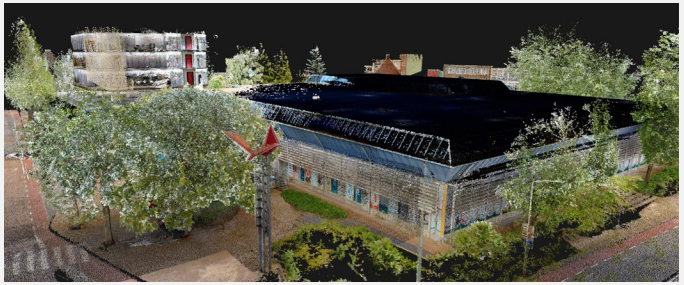
3D Scanning

To obtain the most accurate vision of the building
- Point clouds
- 360° pictures

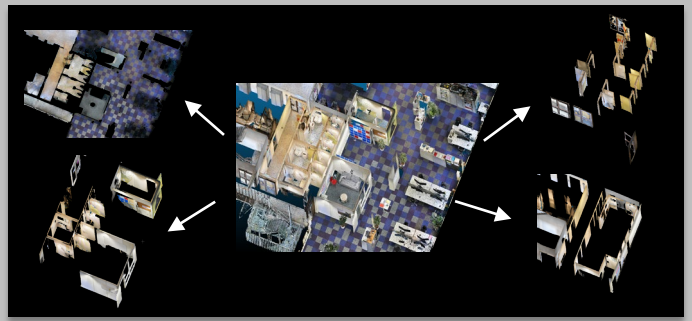


Computer Vision

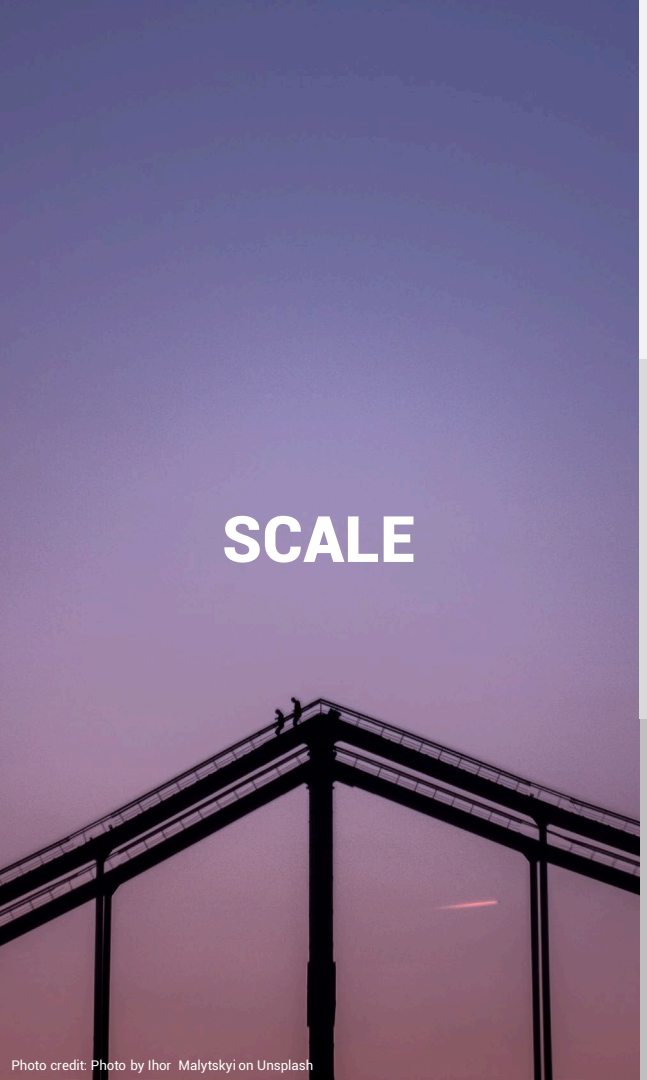
To identify automatically the assets in the building
- Object detection
- Inventory

3D segmentation

To subdivide a set of 3D points in coherent subsets
- Quantity calculation
- BIM modeling



SCALE



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Citizen

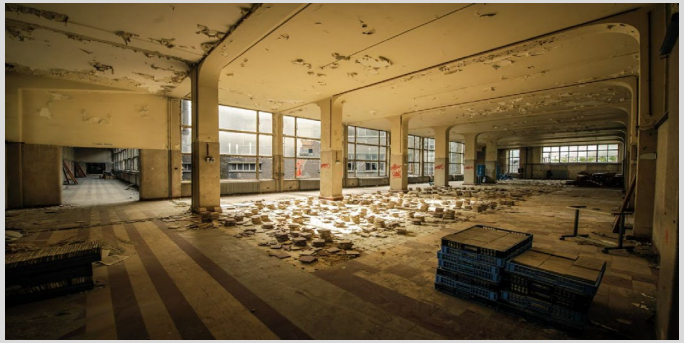
To provide information and products

- Transparency
- Second hand markets

Building

To help make the right decisions for the well-being of all

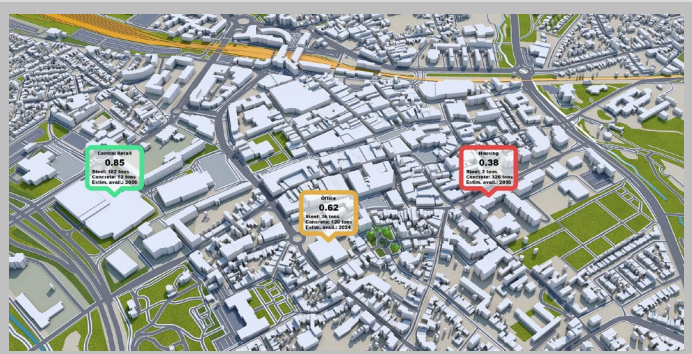
- Demolition vs. Deconstruction
- Cost-benefits analysis



City

To organise the strategy and manage the ressources

- Urban mining
- Storage and redistribution platform



SUSTAINIBILITY

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Responsible consumption

To save raw materials and energy

- Reversible design
- Prefabrication


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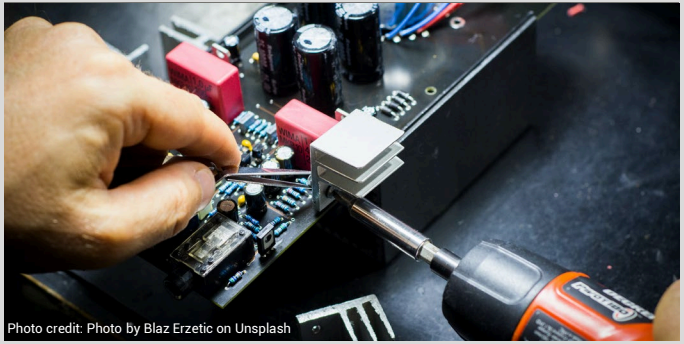
Extending duration of use

- No planned obsolescence
- Predictive maintenance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Recycling, Upcycling, Reuse

To avoid creating new waste

- Cradle to Cradle
- Circularity


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Thank you for your attention
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