

**Interreg**  
CENTRAL EUROPE



**CWC**

European Union  
European Regional  
Development Fund

TAKING  
**COOPERATION**  
FORWARD

 9 June 2022, CWC final conference, Split, HR

 **Pilot I3 - Use of rainwater and purified wastewater for producing recycled construction material in Maribor**

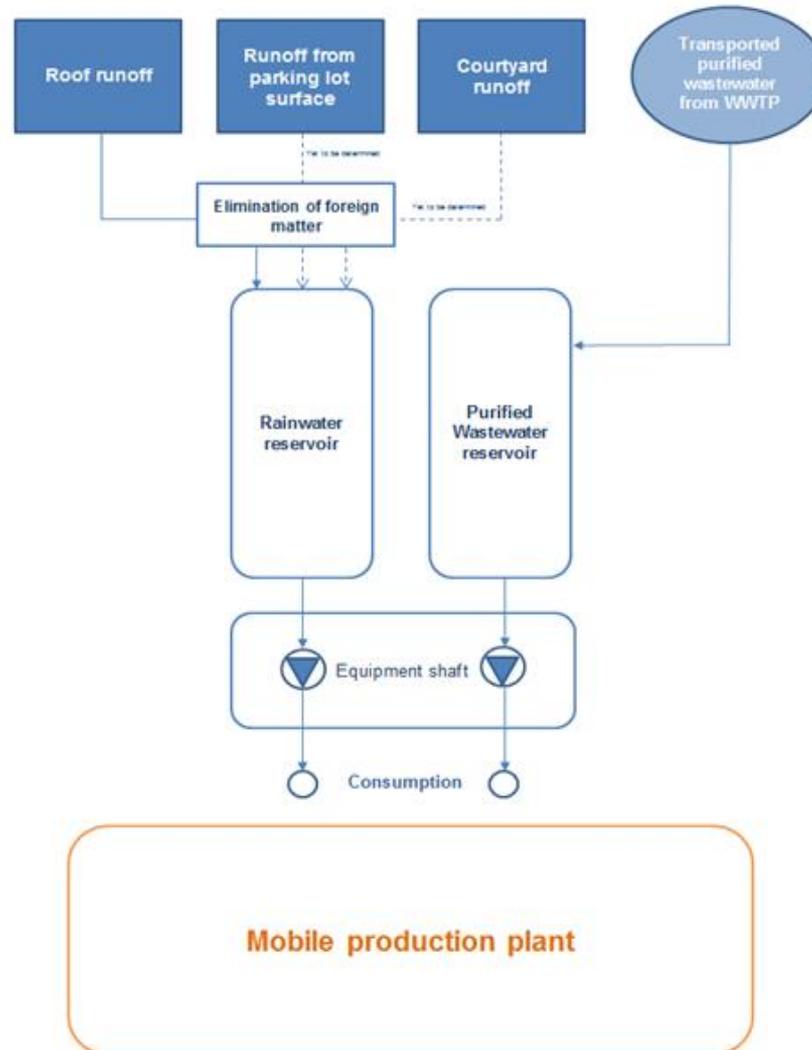
 FUA Maribor & PP-5 MBVOD

Pilot demonstrates the usability of recycled water for the purpose of production of secondary raw materials (SRM) based construction products.



VIDEO





# IMPLEMENTATION



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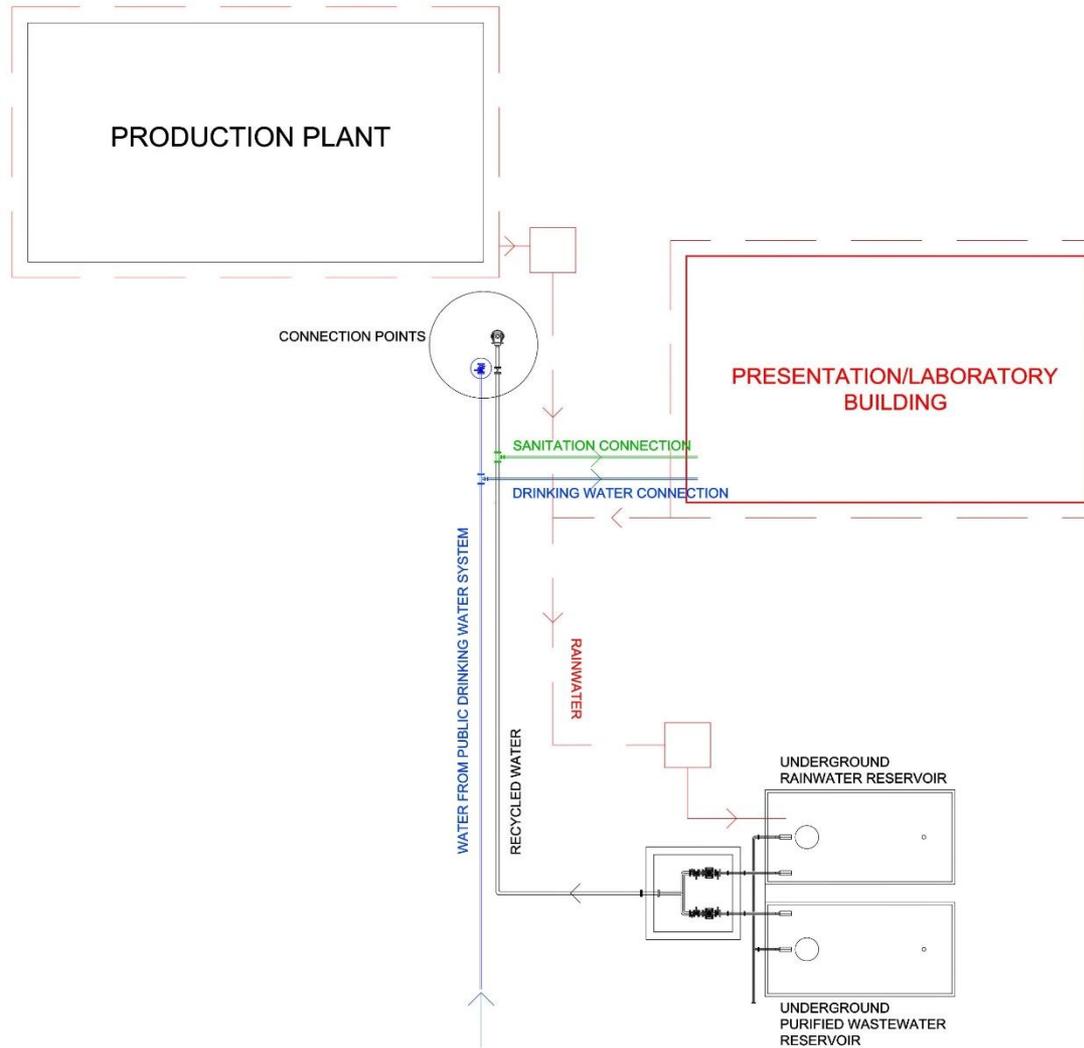




# IMPLEMENTATION



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Equipment, Material & Infrastructure works	Cost
Pumps	3.176,00 €
Filters	552,00 €
Transport of purified wastewater	3.609,60 €
Landworks	9.269,02 €
Shaft	3.850,00 €
2 Tanks (16 m <sup>3</sup> )	4.720,00 €
Staff cost (Planning, construction, supervision)	9.200,00 €
<b>Total costs</b>	<b>34.376,62 €</b>

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**AF budget:  
43.500,00 €**

Land works and installation works for rainwater harvesting	3.973,05 €
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# INDICATORS

Indicators	Description	Achieved
Output 1	Number of storage tanks installed	2
Output 2	Number of hydro-booster stations with pumps for harvested rainwater and recycled water installed	2
Output 3	Quantity of harvested rainwater and recycled water used in production	70 m3
Result 1	Quantity of saved potable water	70 m3
Result 2	Quality reports on purified wastewater (that is used for production)	2
Impact 1	Analysis of a recycled water sample used for the preparation of composite materials, which proves the suitability/operational appropriateness of rainwater and treated wastewater for production process	1



# OUTPUTS



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# POSSIBLE SPIN-OFFS

- Recycled water connection to the Cinderella pilot demonstration facility for sanitation purposes
- Distribution system of recycled urban water as part of "Strategy for the transition to circular economy in Municipality of Maribor"



# FOLLOW-UP

- 1) Equipment will be used for years to come for the same purpose
- 2) The pilot is not transferable/transportable, but is easily constructed in another location
- 3) Know-how and experience gained in FUA Maribor
- 4) Material flow loops (Cinderela-CWC)
- 5) Pilot site future use as a circular economy showcasing spot





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<https://www.interreg-central.eu/Content.Node/CWC.html>



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