MNEXT
MATERIALEN
& ENERGIE
X TRANSITIE

News: Circular Water Technology research line

Our Team

Our activities

- We seek cooperation based on joint projects and programs such as SPRONG, JTF, RAAK MKB, EKOO
- We develop new themes of cooperation via the Avans pre-seed fund



90
EMPLOYEES

60
INTERNS

2
UNIVERSITIES OF APPLIED SCIENCES

6
RESEARCH GROUPS

14
FACILITIES

50
PROJECTS

6.281
X1000 REVENUE

100+
COOPERATION COMPANIES

40+
COOPERATION KNOWLEDGE INSTITUTES

RESEARCH GROUPS

ENERGY

MATERIALS

SMART ENERGY



BIOBASED RESOURCES & ENERGY



BIOBASED TRANSITIONS



BIOBASED BUILDING BLOCKS & PRODUCTS



BIOBASED BUILDING



MARINE BIOBASED CHEMISTRY

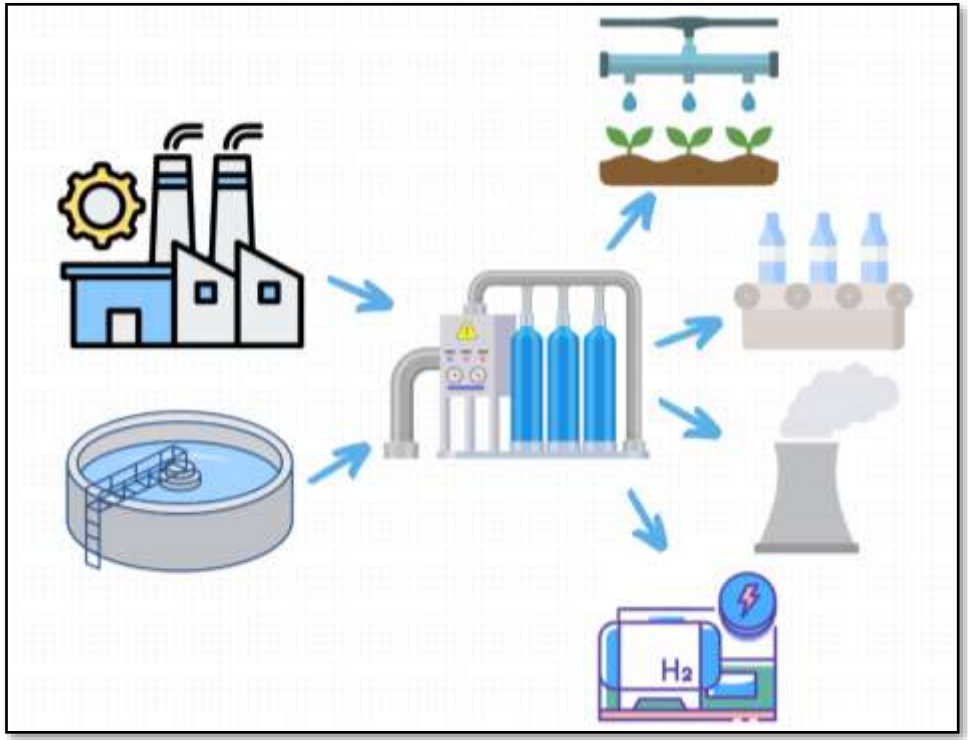


Circular Water Technology research team

Research need, and impact on water circularity

Innovation activities may not be financially viable for companies to pilot, test, and validate.

Applied research enables reference cases **to unlock private investment and market uptake beyond the project duration.**



Questions we can answer through joint applied research

Which **technological pathways would be more suitable** in your case?

What are the Financial, Institutional, Environmental, Technical, and Social constraints?

What is the **quality** of the treated effluent (with WW variations)? Are they in **compliance with guidelines and regulations** for this reuse?

What are the **optimal operational parameters**?

How to **pilot-scale** the case study? What are the associated **costs** (CAPEX and OPEX) and benefits?

What is the **life-cycle environmental impact**? What are the possible **business models**?

What are the **barriers and recommendations** for scale-up?



Thank you!

Let’s make water circular!

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