



ALGAE AERATED WASTE WATER TREATMENT PLANT

ELISE NOUWS

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ADVANTAGES OF USING ALGAE FOR AERATION

- Cost-effectiveness → aerators inefficient
- Sustainability → circular economy
- Post treatment by nutrient removal
- CO₂ capturing

PROOF OF CONCEPT

- Building a photobioreactor to measure oxygen production
- Exploring the amounts of oxygen algae can produce
- Proving the feasibility for aeration with algae

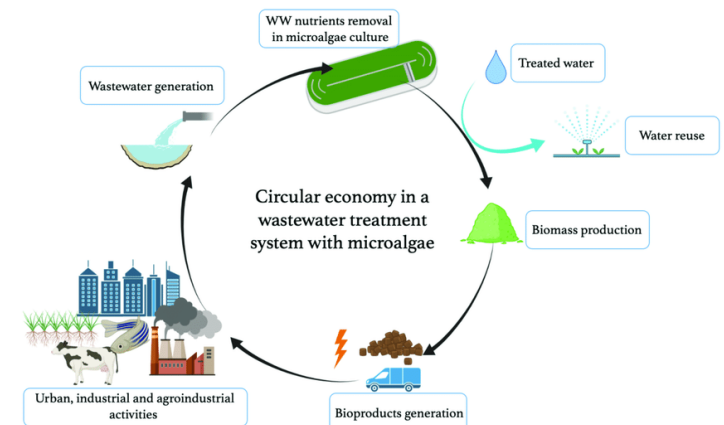


Figure 1: implementation of algae in circular economy