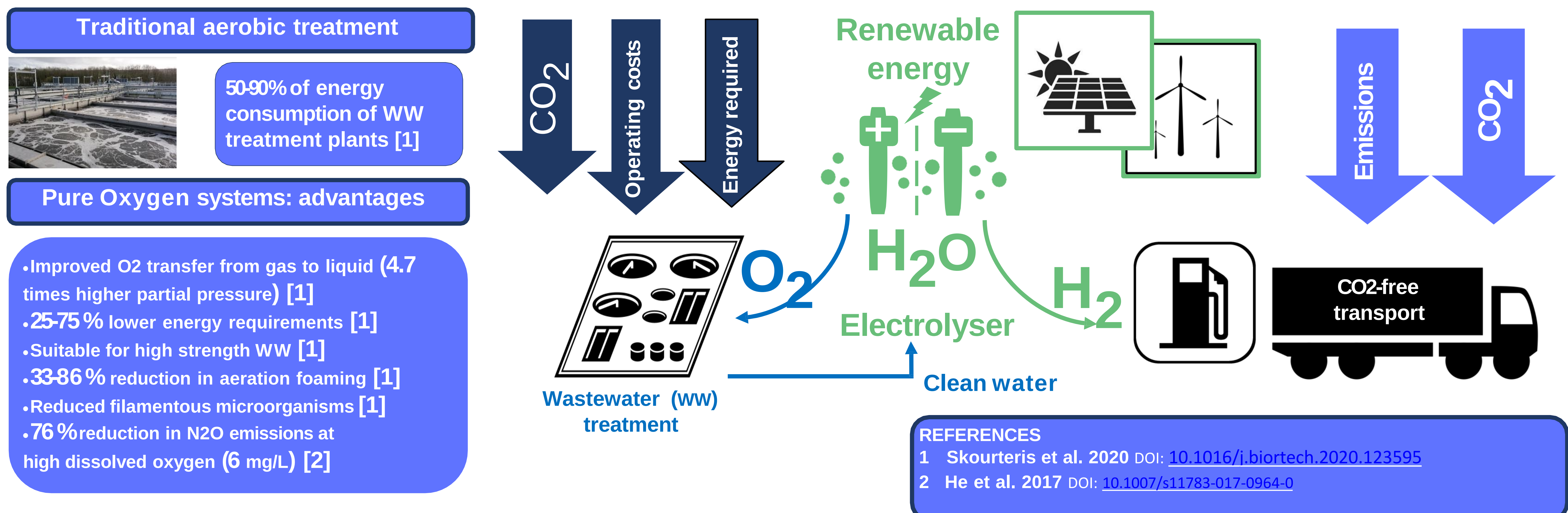


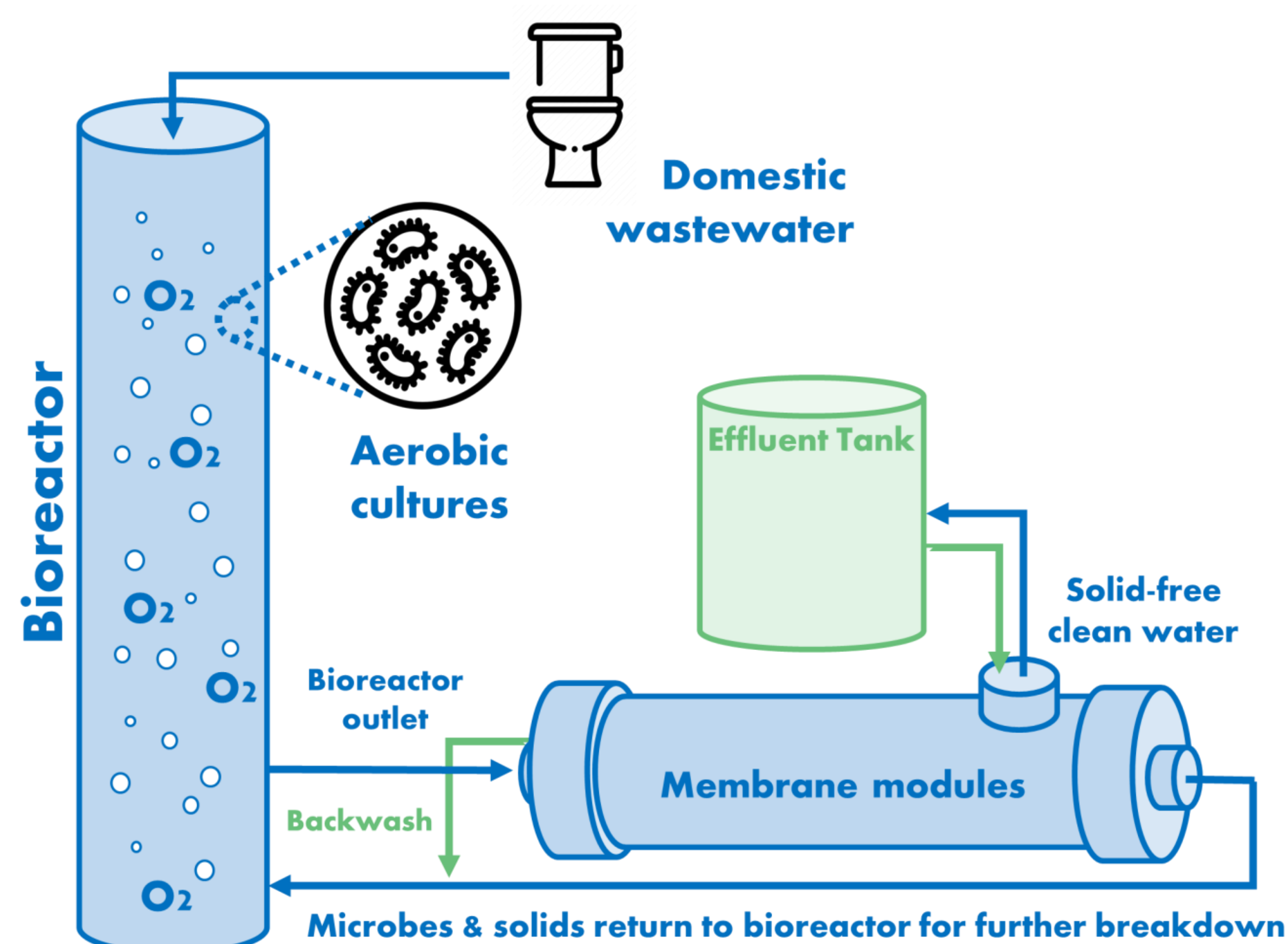
OxyHyWater

Integration of Electrolytic O₂ for Reduced Emissions in Aerobic Wastewater Treatment

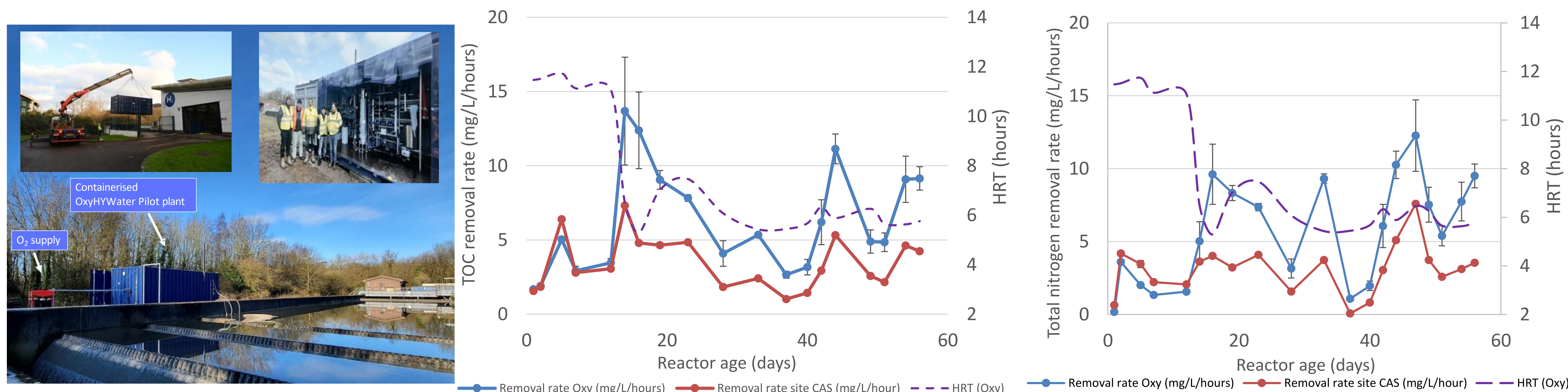
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Sustainable Environment Research Centre, University of South Wales



OxyHyWater Pilot Plant —Membrane Bioreactor



Deployment and Operation at Cog Moors WWTP



- 56 Days continuous operation with HRT reduction from 12 to 5.5 hours
- > 80% TOC and P removal and >70% N removal
- OXYHYWATER removal rate >2 times greater than the site CAS

Aimale-Troy, A., Massanet-Nicolau, J. & Guwy, A., Mar 2024, In: Journal of Water Process Engineering. 59, 14 p., 105045.



Doi: 10.1016/j.jwpe.2024.105045