

Technical Site Tours: AEE Africa Conference 30 October 2026



Welcome & Introduction (Presentation venue to be confirmed)

Join Petro Myburgh, Sustainability Lead for the V&A Waterfront, for an introduction to one of Africa's leading destinations. Learn about the Waterfront's approach to sustainability and circularity, its sustainable design principles, and how it engages with the community to create shared value and positive environmental impact.



The Ridge

Rated six-star Office Design by the Green Building Council of South Africa (GBSA), Portwood Ridge reflects our commitment to pioneering new standards in sustainable office design. As Deloitte's regional headquarters, it integrates cutting-edge technologies, many introduced for the first time in South Africa, to minimise environmental impact while maximising occupant comfort and productivity. A holistic approach to water management, including greywater and rainwater reuse and the pioneering use of eco-bricks, further sets a benchmark for sustainable practice.

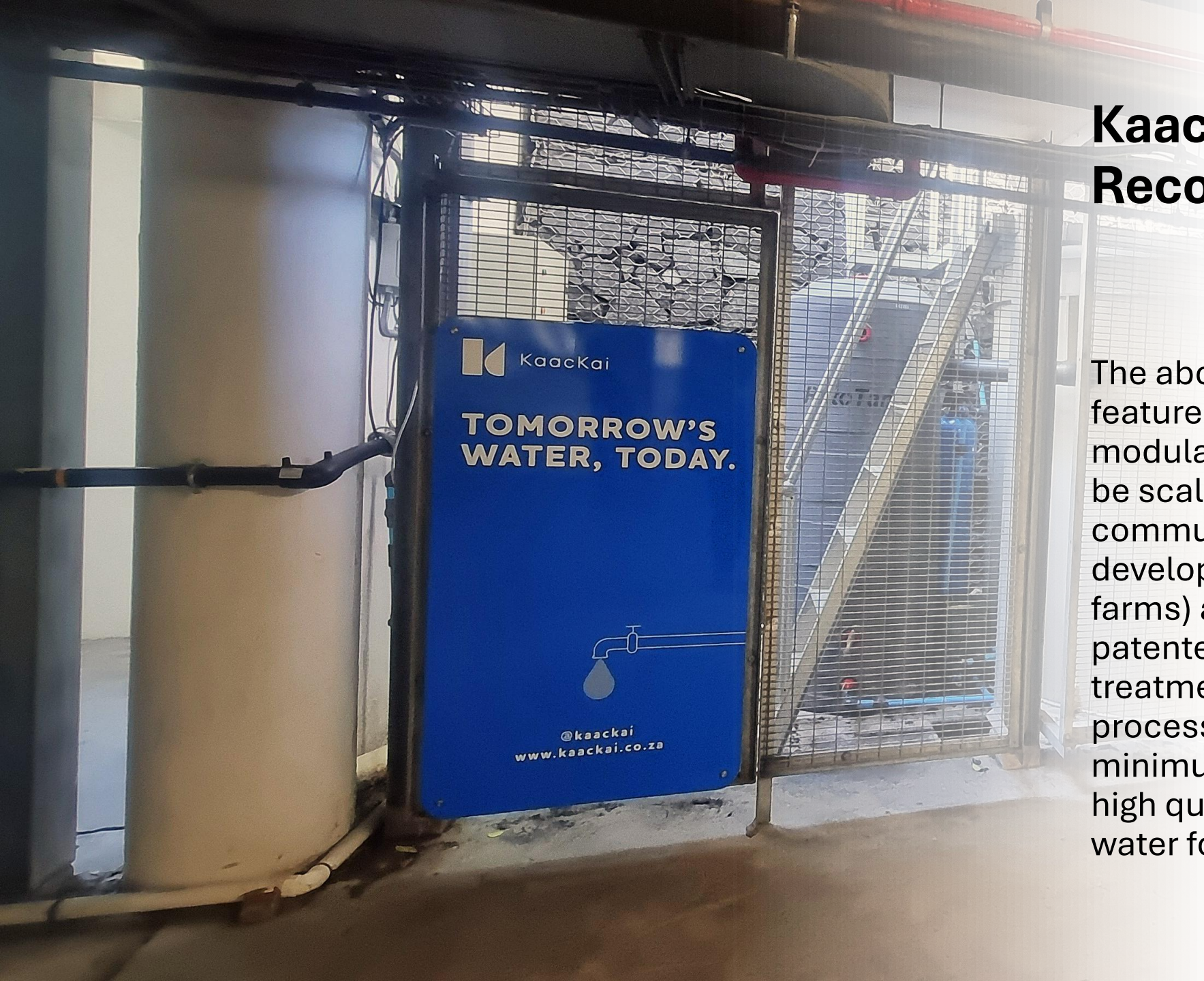
Portswood Café & Octopus Garden

Portswood Café is a 115m² zero-carbon space built almost entirely from salvaged and upcycled materials. Operated by sustainable food brand Pure Good, it redefines waste and conscious construction.

The Octopus Garden, designed by Ian Dommissie and delivered through the Grow SA Learnership programme, features modular eco-brick raised beds designed for reuse. Since 2019, it has produced over 18,000 kg of vegetables from just 250m² (supporting youth development and community impact).

KaackKai Wastewater Recovery System

The above-ground installation features two state-of-the-art modular M-range Pods that can be scaled up (for use residential communities, commercial developments, resorts and farms) and are powered by patented Danish wastewater treatment technology. The entire process has no smell, uses minimum energy and generates high quality non-potable clean water for reuse.



Organica Wastewater Treatment

An Organica Blue House outside the Victoria Wharf shopping centre provides a fully enclosed and odour-free environment combining conventional wastewater treatment technology with a botanic ecosystem. Organica uses plant roots that grow into the effluent, encouraging bacteria and living organisms to develop. The treated effluent from this system is used for re-flushing in the Victoria Wharf shopping centre. The building is also used as a greenhouse for the propagation of herb and vegetable seedlings for the different edible gardens across the precinct.



A photograph showing three workers in a waste recovery and recycling center. They are wearing blue uniforms, white face masks, and gloves. One worker in the foreground is wearing a blue bucket hat and a green apron, sorting through a large pile of waste on a metal table. Another worker in the background is wearing a blue cap and a white apron, also sorting through waste. A third worker is visible in the background, wearing a blue shirt and a white mask, sorting through waste. The center has a blue metal structure and a large pile of waste in the foreground. The background shows a concrete wall and some industrial equipment.

Waste Recovery and Recycling Centre

The Waste Recovery and Recycling Centre aims to curb our precinct's impact on overflowing landfills. It does so with the support of a neighbourhood-wide three-bin system, waste-tracking measures and incentives for tenants and visitors to segregate their waste.

The daily crew of almost 130 services close to 400 waste collection points and processed more than 7 300 tons of waste in the past year, of which 70% was diverted from landfill (including 2 600 tons of organic waste).

Seawater Desalination Plant

The V&A Waterfront's Seawater Desalination Plant is a key facility ensuring water security and climate resilience in our precinct. The plant uses advanced reverse osmosis technology to make seawater safe for consumption.

The V&A Waterfront's 3.3 MLD (million liter per day) desalination plant was successfully commissioned earlier this year, with the first desalinated water injected into the precinct in March 2025. About 80 - 90% of all water consumed in the precinct was from the desalination plant in 2025, supporting the growing neighbourhood's long-term resilience.





Silo District Seawater Cooling Plant

The Silo District Seawater Cooling Plant is an innovative and sustainable cooling system that harnesses cold seawater from the harbour to regulate temperatures in nearby buildings. This system significantly reduces reliance on traditional air conditioning, lowering energy consumption and carbon emissions.

This eco-friendly system provides efficient cooling for the Zeitz MOCAA, The Radisson Red Hotel, No. 1, No.4 and No. 5 Silo buildings.

50% of the building load is cooled by seawater, using 40% less energy than conventional cooling towers and saving roughly 15 million liters of water per annum.

