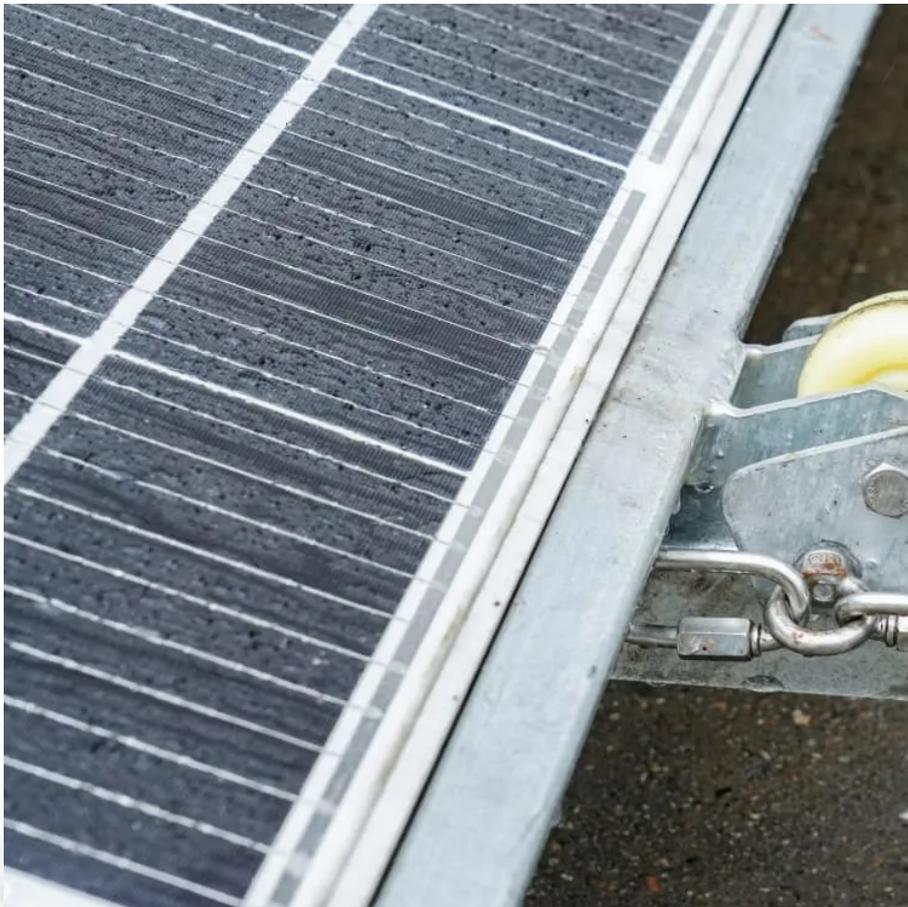


20-foot photovoltaic container for wastewater treatment plants in South Africa





Overview

How many wastewater treatment plants are there in South Africa?

South Africa (SA) is estimated to have approximately 955 municipal wastewater treatment plants (WWTPs), yet only 13% comply with the minimum water discharge standards. This results from elevated levels of organic matter and, to a lesser degree, non-biodegradable materials.

Why do we need water treatment plants in South Africa?

SA's water supplies are endangered by pollution, with 98% already polluted. To address water contamination, wastewater treatment plants (WWTPs) were established to employ several technologies for remediation. The establishment of WWTPs aims to diminish pollutants from home and industrial discharges and then reintroduce water into the ecosystem.

How many wastewater plants in South Africa meet minimum standards?

Madhumita P. Wastewater treatment in South Africa: Only 13% plants meet minimum standards. Down to earth. Accessed 07 May 2025. [Online].

What is a HWT containerized sewage treatment plant?

An HWT containerized sewage treatment plant is a compact and mobile system designed to treat wastewater. It works by collecting sewage into a modular container, where various biological and mechanical processes break down and remove pollutants.



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