

Veolia Water Technologies provides Katara Cultural Village with the biggest water reuse facility, reducing the reliance on fresh water in Qatar



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- As a result of collaborative efforts between Veolia Water Technologies Qatar and Katara Project, the first water reuse facility of its kind in Qatar was built with a fresh water-saving **capacity between 5 000 to 15,000 cubic meters per day**.
 - As part of its **GreenUp strategic plan**, Veolia contributes to fulfilling the goals of the **Qatar National Vision 2030** strategy by reducing reliance on fresh water through the reuse of water for irrigation and as make-up water for district cooling.

Veolia Water Technologies (VWT) collaborated with Katara Project, to provide an innovative Treated Sewage Effluent (TSE) Polishing Plant. This project is marked as an achievement of an important milestone, which is aiming to fulfill the Environmental Development goals for Qatar National Vision 2030 strategy by conserving freshwater resources and promoting sustainable water use.

Katara, a major cultural and touristic destination in Doha, will now save between 5,000 to 15,000 cubic meters per day (CMD) of fresh water previously used for irrigation and district cooling (cooling towers make up) by utilizing treated sewage effluent instead of desalinated sea or brackish water.

The TSE Polishing Plant, provided by VWT Qatar, is specifically designed to optimize space and power supply constraints within the existing Katara Energy Centre. This innovative approach has led to a significant reduction in project costs. The plant, with a capacity of 15,000 cubic meters per day (CMD), is the first of its kind in the region. It efficiently converts treated sewage effluent into high-quality demineralized water suitable for cooling towers feed and irrigation of Katara's green hills.

By substituting fresh water from KAHRAMAA with treated sewage effluent, the project reduces water costs dramatically — from 9 QAR down to 1 QAR per cubic meter, and reduces the power needed for water production to just 20% of that required for other treatment solutions. It also reduces the quantity of water used to feed the cooling towers.

This project exemplifies sustainable wastewater reuse, preserving groundwater resources and consuming less energy. Veolia's inline design technology, employed in this plant, represents a groundbreaking solution for wastewater reuse in the region.

In June 2024, Katara Project enlisted Veolia Water Technologies Qatar in the further support with supervising the **operation & maintenance** of the plant.

Thierry Froment, the CEO of Veolia Water Technologies Middle East commented: "Our collaboration with Katara Project aligns with our GreenUp strategic program which aims to help territories adapt to climate change. This project not only conserves the precious freshwater, but also exemplifies the sustainable water use in the city. By transforming treated sewage into high quality water for irrigation and cooling, we are *pioneering a new standard resource management efficiency and sustainability for the region.*"

Mohammed AL Meer, Director General of Katara Project stated : *"The launch of the Treated Sewage Effluent Polishing Plant is a groundbreaking achievement and a testament to our dedication to environmental sustainability. This project and collaboration with VWT Qatar allowed us to reduce our freshwater consumption and align this progress with Qatar National Vision 2030. By utilizing treated sewage for irrigation and cooling, we are not only preserving vital natural resources, but also setting a new benchmark for sustainable practices in cultural and touristic destinations".*

ABOUT VEOLIA

Veolia group aims to become the benchmark company for ecological transformation. Present on five continents with nearly 218,000 employees, the Group designs and deploys useful, practical solutions for the management of water, waste and energy that are contributing to a radical turnaround of the current situation. Through its three complementary activities, Veolia helps to develop access to resources, to preserve available resources and to renew them. In 2023, the Veolia group provided 113 million inhabitants with drinking water and 103 million with sanitation, produced 42 million megawatt hours of energy and treated 63 million tonnes of waste. Veolia Environnement (Paris Euronext: VIE) achieved consolidated revenue of 45,351 million euros in 2023. www.veolia.com

ABOUT KATARA CULTURAL VILLAGE

Katara Cultural Village, commonly known as Katara, is a vibrant cultural and commercial complex located on the eastern coast of Doha, Qatar, between West Bay and the Pearl. Soft-opened in October 2010 during the Doha Tribeca Film Festival, Katara boasts an impressive array of facilities including an open amphitheater, an opera house, a multi-purpose cinema, and a conference hall. The complex features Katara Beach, a bustling souq, and a museum dedicated to Qatar's maritime heritage, which opened in November 2015. Katara is a hub for cultural activities, hosting numerous exhibitions, festivals, workshops, lectures, concerts, and religious events, making it a cornerstone of cultural life in Doha.

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