

# Press release

Izmir, Turkey — 4 January, 2023

Water Technologies — Middle East

## Veolia Water Technologies reduces the carbon and water footprint of Pınar Süt at Izmir Plant thanks to biogas production



**Veolia's patented solutions for wastewater treatment and biogas production are now in service at Pınar Süt's factory in İzmir, Turkey, allowing the company to meet new discharge legislation and achieve its environmental commitments, reducing carbon emissions by 17% and generating substantial savings on natural gas.**

Pınar Süt, one of the biggest dairy companies in Turkey producing mainly milk, yoghurt, cheese, fruit juices, ketchup and mayonnaise, has acted on its ambition for sustainable development with the recent wastewater treatment plant built by Veolia Water Technologies. The treated water is suitable for reuse with further tertiary treatment for certain applications in the factory such as flushing water, which contributes to the sustainability objectives of Pınar Süt.

Two Veolia-patented technologies are at the heart of the process that allows the production of valuable biogas. The wastewater first goes through a screen and a [Idraflot®](#) dissolved air flotation unit to retain fat, oil and grease (FOG) and suspended solids before entering the [Biobed® EGSB](#) granular biomass anaerobic treatment unit where over 80% of the chemical oxygen demand (COD) is removed. This treatment stage produces about 45% of the biogas generated at the plant. The FOG retained in the DAF is combined with other organic waste and sent to a [Biobulk™ CSTR](#) unit for purification and further biogas production.

Corporate carbon footprint calculations and reporting studies have been performed in Pınar Süt since 2011. Accordingly, the company continuously carries out activities aimed at reducing its carbon emissions by 15%. The 3,600 m<sup>3</sup>/day wastewater treatment plant allows a total daily production of 8,980 Nm<sup>3</sup> of biogas which is used in the factory boilers, resulting in considerable savings on natural gas and making a significant contribution to Pınar Süt's sustainability targets.

“Thanks to the projects implemented in the Pınar Süt factory, the earnings from such holistic plants give us trust for the future and further steps in the name of our prior sustainability policy” **stated Mrs. Ozlem Yalçın, Pınar Süt Izmir Plant Director.**

“This project perfectly illustrates the purpose of Veolia, which is to act for and contribute to ecological transformation. We are proud to bring our expertise to Pınar Süt through our advanced technologies that allow the reuse of treated wastewater and the production of renewable, clean energy, reducing the strain on local fresh water resources and the environmental footprint of the installation” **remarked Mr. Thierry Froment, CEO Middle East for Veolia Water Technologies.**

#### **About Pınar Süt**

Pınar Süt was founded in Izmir in 1973, producing dairy products. Nowadays the company has three production facilities in Izmir, Eskisehir and Şanlıurfa. Pınar Süt is also engaged in the production and sale of butter, cream, fruit juices, mayonnaise, ketchups, puddings, honey, sauces, jams and jellies, desserts, and powdered products. The company exports its products to over 30 countries worldwide. [www.pinar.co.uk](http://www.pinar.co.uk)

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**Veolia** group aims to be the benchmark company for ecological transformation. With nearly 179,000 employees worldwide, the Group designs and provides game-changing solutions that are both useful and practical for water, waste and energy management. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and replenish them. In 2021, the Veolia group provided 79 million inhabitants with drinking water and 61 million with sanitation, produced nearly 48 million megawatt hours and recovered 48 million tonnes of waste. Veolia Environnement (Paris Euronext: VIE) achieved consolidated revenue of 28.508 billion euros in 2021. [www.veolia.com](http://www.veolia.com)

#### **Contacts**

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##### **Veolia Water Technologies Middle East**

Mélodie Plaschy  
Communications Manager  
Tel. +971 50 670 4847  
[melodie.plaschy@veolia.com](mailto:melodie.plaschy@veolia.com)  
[www.middle-east.veoliawatertechnologies.com](http://www.middle-east.veoliawatertechnologies.com)

##### **Veolia Water Technologies Media Relations**

Manon Painchaud  
Tel. +1 418 573 2735  
[manon.painchaud@veolia.com](mailto:manon.painchaud@veolia.com)  
[www.veoliawatertechnologies.com](http://www.veoliawatertechnologies.com)