



# WATEC Israel 2024

International Summit on Water Technologies

September 16-19, 2024, ICC, Jerusalem

## Tour 2: Wastewater Treatment

Thursday 19.09.2024

### Schedule

(from ICC, Jerusalem (Conference Venue) ,08:30 at depart Departure: the bus will

Lunch Break: (estimated) 13:00

((estimated) to ICC, Jerusalem (Conference Venue) 18.00 – Return

### Wastewater Management in Israel

Wastewater can cause significant environmental damage and, in exceptional cases, harm public health. However, purified wastewater can be repurposed for various uses, especially in agriculture, thereby maximizing the utility of water, a valuable resource. Consequently, substantial resources are dedicated to enhancing and improving the wastewater treatment system in Israel.

Each year, about 600 million cubic meters (mlcm) of wastewater are discharged into Israel's sewage system. Most of this wastewater is treated in facilities, with more than 80% being transferred to agricultural irrigation through sewage recovery plants. This use of treated wastewater addresses the issue of sewage disposal and helps maintain environmental quality and the integrity of natural water sources.

Effluent reclamation plants, fed by numerous settlements, are a critical part of Israel's water purification system. These plants include some of the most technologically advanced facilities, employing both traditional and ecological treatment methods, and are distributed throughout the country. The wastewater industry comprises thousands of suppliers, most of which are private entities.

During the tour for our international guests, we will showcase several models of purification and treatment methods used in advanced water treatment plants in the Jerusalem area and Emek Hafer (detailed plan under review). Attendees will meet professionals who operate these facilities, observe the flow of purified water into restored streams and artificial lakes, and learn about the treatment and transmission methods of wastewater systems, as well as the advanced treatment techniques employed in Israel.