

# Water Treatment Systems for drinking and irrigation purposes



# Centralized Municipality Water Treatment system

- ❖ **Location:** City of Kfar Saaba, Israel
- ❖ **Annual treated flow:** 2 million cubic meter of drinking water
- ❖ **Contaminant removal:** Nitrate, Chlorides
- ❖ **Applied technology:** Media filter, RO, EDR
- ❖ **Business model:** BOT

- **The Challenge**

In Kfar Saba , a city in the center of Israel (city's population ~ 150,000 people), Nitrates ( $\text{NO}_3^-$ ) levels in one of city's wells were higher than the allowed new standard, therefore the "Ministry of Health" prevented the use of it, and ordered to shut it down.

- **The Solution**

Designed, manufactured, supplied and execute a whole water treatment system, including sand filters, EDR , RO and chlorination system which produces annually 2 million cubic meter of drinking water. Rimon constructed, operates and maintain the treatment facility under P.P.P contract with the city municipality. The supplied water cope with the water quality regulations worldwide.



**RIMON**  
The clear solution

# Rural village water treatment system

- ❖ **Location:** Herut village, Israel
- ❖ **Annual treated flow:** 1.5 million cubic meter of drinking water
- ❖ **Contaminant removal:** Nitrate, Chlorides
- ❖ **Applied technology:** Media filter, RO,
- ❖ **Business model:** BOT

- **The Challenge**

Herut village, located in Emek Hefer local council in Israel (village population ~ 1,000 people), Nitrates (NO<sub>3</sub><sup>-</sup>) and Cl levels in one of village's well was higher than the allowed standard, therefore Rimon has provided a BOT business model for supply and full O&M of the installed system. Rimon has financed the project, selling water to the village at a competitive price and having the responsibility on all the project expenses. The BOT life time was agreed for 10 years of operation.

- **The Solution**

Designed, manufactured, supplied and execute a whole containerized plug and play water treatment system, including sand filters, RO and chlorination which produces annually 1 million cubic meter of drinking water. The system is monitored online by the Rimon's O&M department, the Israeli National water division. The supplied water cope with the water quality regulations worldwide.

