

Water usage in the wider community

EJUST designed and developed a wastewater treatment unit ($200 \text{ m}^3/\text{d}$), namely down-flow hanging sponge, at Borg El Arab City, Alexandria Governorate. This unit is located near the EJUST campus. The unit is used to process/treat the wastewater to be reused in irrigation without consuming energy nor mechanical ventilation.

Following the successfulness of $200 \text{ m}^3/\text{d}$ DHS at Borg El Arab City, another unit is under construction with a capacity of $400 \text{ m}^3/\text{d}$ to allow water reuse at Eladel village, Senores Town – El-Fayoum Governorate-Egypt.



Down-flow hanging sponge unit used for wastewater treatment to irrigate landscaping.