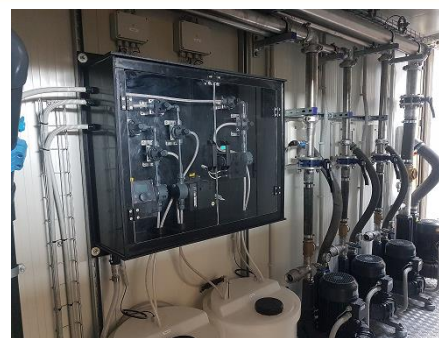


CASE STUDY



INDUSTRIAL WASTEWATER TREATMENT PLANT FOR A POULTRY SLAUGHTERHOUSE

DEVISE ENGINEERING S.A. designed, constructed and supplied in 2021 a Packaged Wastewater Treatment Plant for SHEIKH HALAL FARMS **Poultry Slaughterhouse in Canada**.

The purpose of this Package Wastewater Treatment Plant was to treat the effluent from the Poultry Slaughterhouse, meeting the required standards for the safe effluent discharge to the municipal sewerage network.

The specially designed **Containerized Treatment Plant** is capable to treat up to **45m³/d** of industrial wastewater with an average waste loading of COD: 2.283 mg/l, BOD₅: 1.493 mg/l & TN: 181 mg/l and through the **technology of MBR** achieved the limits of discharge as follows: COD<60 mg/l, BOD₅<10 mg/l, TSS<3 mg/l, TN<2.5 mg/l.

The delivered DEVISE Plant comprised of:

- Inlet Works (coarse and fine screening)
- Containerized Gravity Type Oil-water-solids separator in SS
- Containerized Physical-Chemical Treatment Unit (DAF) in SS
- Chemical dosing and polymer preparation system
- Packaged/Prefabricated Membrane Bioreactor unit, with aerobic/anoxic reactors providing nitrification-denitrification treatment as well as combined UF membrane filtration.
- Containerized Machine Room/Control Room that includes all necessary equipment, instrumentation, controls as well piping and electrical connection.
- Disinfection system

DEVISE ULTRA-CLEAR™ Bio-Plant incorporates the most up to date wastewater treatment technology, namely that of submerged Membrane Biological Reactor (MBR), which offers a smart solution that surpasses other conventional systems for difficult industrial applications, both in terms of compactness, performance and reliability.



7 Aggelou Pyri Str.,
11527 Athens, Greece
Tel.: +30 210 3211040
Fax: +30 210 3222012
info@devise.gr

