

HUBER PACKAGED MBR FOR MINING LABOUR CAMP - JEBEL ALI, DUBAI

CASE STUDY



THE CLIENT

The Jabel Ali labour camp is located 40km from Dubai and was built to provide short term housing for approximately 3000 construction workers. The labour camp consists of approximately 800 containerised temporary housing units.

OVERVIEW

For this project, HUBER designed, supplied, installed and commissioned a 360m³/day Membrane Bioreactor (MBR) ultra filtration system to treat the combined black and grey wastewater.

The treated water is collected and stored in tanks, from where it is taken away by tanker trucks and recycled in a variety of locations for irrigation, wash down and various other uses.

The HUBER MBR system utilizes:

- ROTAMAT® Micro Strainer Ro 9 and ROTAMAT® Complete Plant Ro 5 pre-screening units.
- HUBER Vacuum Rotary Membrane (VRM) size 20 unit.
- Tertiary disinfection via Chlorine.