



Project Description – State Hospital Graz

Contract Description / Solution:

The reverse osmosis unit constructed is used for the production of germ and salt-free water for use in various medical areas (sterilisation of instruments, kidney rinsing...) as also mixed with untreated water for the preparation of hot water.

As a result of the extremely high quality and availability requirements two lines with an output each of 20 m³/h product water were implemented. Each line consists of a fine filter phase, high pressure pump, reverse osmosis membrane block, chemicals dosing station, product water tanks and network supply pumps. The fully desalinated water is taken to sterilisation by a UV unit. A CIP system (for “cleaning in place”) was installed for rinsing and cleaning the membrane elements.

The separate components of the reverse osmosis unit were installed in stainless steel container frames and fitted out with pipes and electrical cabling at the AIM works. The disassembly of an existing old unit at the State Hospital in Linz, maintaining of operation by a provisional small-scale unit during the construction of the new facility and the placing and pipe connection of the pre-fabricated reverse osmosis container were also tasks included in the AIM service schedule. The work was completed with the assembly of all the tanks, pumps and other aggregates in the desalination room together with the complete pipeline and its components. Assistance in the start-up work for the unit rounded off a highly successful contract.

Text source: INTERGEO Umwelttechnologie und Abfallwirtschaft GmbH, 5020 Salzburg





Project Description – Gaiole (Toskana)

Contract Description / Solution:

Requirement: a fully biological sewage treatment plant for a hotel unit including a wellness area and restaurant.

Solution: a fully biological sewage treatment plant on the basis of 20 ft containers for 120 units. The container system and the sludge and water storage equipment were produced in their entirety in the Timelkam works in order to keep the amount of assembly work required as low as possible. The sludge and water storage together with the operations room were completed in concrete by a local construction firm. The assembly of the container unit, the mechanical equipment for the storage facility and the switch cabinet and the test run with pure water were carried out by our fitters. The purified sewage water is used for the irrigation of olive groves and pine trees after filtering and UV sterilisation.

