

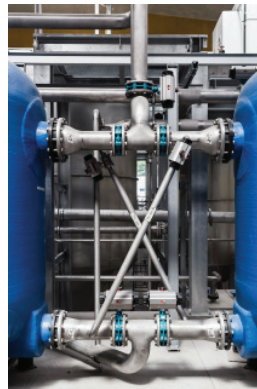


ACR Bioggio - Trattamento acque reflue (TARef)

Client: ACR Bioggio
 Building owner: Azienda Cantonale di Rifiuti (ACR)
 Giubiasco
 Engineering: CSD Ingegneri SA
 Realization: 2014 - 2015

Scope of supply:

- Detail Engineering (PIDs, part list, technical specifications)
- CAD: 3D Model, isometric drawings, 2D layouts, technical risk analysis)
- Sourcing components (valves and accessories, sieves, filters, pumps, agitators, neutralisation unit, filter press, conveyer, vessels)
- Functional specification
- Automation hardware and software (instrumentation, PLC, visualisation)
- Coordination with package units suppliers (tricanter, evaporator, tank farm, electrical installation, steel work, civil engineering)
- Installation on site (bring-in, erection of main components, internal connections, hook-ups, pipe welding)
- Managing interfaces: waste water inlets, plant water outlet, drains, exhaust pipes and active ventilation
- IO-checks, line tests, dry commissioning
- Wet commissioning
- Optimization runs



The existing industrial waste water plant is to be replaced by a state of art chemical – physical treatment. On the same area in the neighbouring building a new treatment plant with a 40 m³/day nominal capacity is being built. The treatment steps consist of solid / liquid, gas / liquid and liquid / liquid separation incl.:

- sieving
- skimming
- decantation
- precipitation
- neutralization
- evaporation
- sand active charcoal filtration