



Purified Water (aqua purificata)

Client: Internationally renowned specialty chemical company
 Project: Revamping purified water and loop extension
 Realization: 2013
 Duration: 5 months

Scope of project:

- PID and redaction of parts list
- Detail Engineering: pipe isometric drawing and hose cabinet layout
- Functional specification & support GMP FMEA risk analysis
- Electrical hardware: 151 I/O's
- Automation (new PLC S7, 2 HMI's incl. software)
- FAT Software
- Pre-fabrication of hose cabinet incl. frame
- Installation on site:
 - New TOC and ozone measurements on skid
 - New POU: dosing with mass flow on hose cabinet for wash station, filling
 - Modification of 8 POU's
 - Piping: 1.4435 (35m) incl. weld checks
 - Loop passivation (300m)
- I/O Check, commissioning, recalibration, qualification IQ & OQ

