

Puretech Project Case Study: Validated Purified water system

Site: Eli-Lilly Services S.A

Address: Parc Scientifique de Louvain-La-Neuve, Rue Granbonpre, 11 B-1348 Mont-Saint-Guibert, Belgium.

Project: New USP28 validated purified water system required to serve the Pharmaceutical actives and laboratory areas.

Order placement date: August 2005

Scope of plant supply:

Puretech *Genesys* generation plant (sized to provide 1,800 l/hr 24 hrs/day) and pre-treatment, stainless steel vessel, plant skid including – pumps, control panel, heat exchanger, on-line measurement and control devices, ozone generation and destruction with UV disinfection. Sub-loop for laboratory areas.

Stainless steel distribution loop to point-of-use. Approximately 200 metres of 1,1/2” stainless steel tube with zero-dead-leg valves.

Central PLC control system utilising the Siemens PLC within the Genesys linking to distribution, pre-treatment and point of use skid interface face panels via profibus connection. All instrumentation with HART protocol.

Remote monitoring output of all system parameters via modbus to clients TEC system and direct “clean” analogue outputs to the GXP system.

Scope of services: Design, supply, delivery, installation, testing, commissioning, passivation, validation.

Validation: Generation and execution of IQ/OQ documentation.

Language specifics:

Predominant language used on Site: French

Control HMI screen language: French (English via touch screen control)

Operation and maintenance manuals: French and English copies presented.

Puretech Site supervisor: Fluency in French and English

Project programme: 22 weeks

Personnel:

1 No Project Manager

2 No orbital welders

1 No Site supervisor

1 No validation leader

1 No weld inspector

Total contract value: Euros 510,000.00