



# Validated Purified water system



## Eli-Lilly Services S.A

### Location

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

### Approx value

Euros 510,000.00

Puretech Process Systems Ltd,  
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England RH1 5DZ  
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email; sales@puretech.uk.com  
website: www.puretech.uk.com

### Project

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

### Scope of services

Design, supply, delivery, installation, testing, commissioning, passivation, validation.

### 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.

### 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