



*Total Solutions  
for Pharmaceutical  
Water Projects*

## *Experience equipment manufacturing to deliver turnkey water systems*

Born to provide an integral solution for Pharmaceutical water projects, the Telstar Puretech alliance comes forward with a proven track record of design, manufacturing quality and market leadership. Telstar and Puretech, two major players in manufacturing equipment for Life Sciences, together, providing key solutions through a holistic approach: tailored answers to ensure cost effectiveness, quality compliance and on time delivery. The result from synergies between Telstar and Puretech is a cumulus of strengths and a guarantee of excellence.





Your Partner for  
Pharmaceutical Water Projects

## Specialized Project Management...

### Raw Water Pre-Treatment Units

Modular units, designed according to incoming water characteristics, robust designs to precondition water according to the needs of the final treatment. These compact modules are engineered based on equipment and performance robustness, allowing the maximum availability when working under the most demanding applications.



### Purified and Highly Purified Water Plants

Purified and highly purified water complying with pharmacopeias, using standard modular units and state-of-the-art technologies.

#### OASYS (Chemical Sanitization):

1. Single Stage RO + Electrodeionization
2. Single Stage RO + Electrodeionization + Ultrafiltration
3. Double Stage RO
4. Double Stage RO + CED1

#### GENESYS (Thermal Sanitization):

1. Single Stage RO + Electrodeionization
2. Single Stage RO + Electrodeionization + Ultrafiltration
3. Double Stage RO
4. Double Stage RO + CED1



### Compact Modular Storage & Distribution Skids

Delivering the required quality and quantity of Pharmacopoeial water to the user, the standard distribution system achieves this within a single skid. The Telstar-Puretech distribution solutions minimise space requirements by integrating all of the technologies, instruments and controls within a single package. Our systems are designed and engineered to give reliable operation, ongoing monitoring, whilst maintaining optimal energy efficiency, lowering operating costs without compromising quality.



### Water & Steam Distribution Systems

Delivering the highest quality product water to the user our distribution systems are tailored to meet each customer's specific needs, whilst installation strategies give optimal cost and energy savings. Telstar Puretech offer a complete range of solutions using traditional stainless steel or high performance plastic configurations, working with you to determine the correct solution for your facility. Delivering quality all the way to the point of use.



### Multi Effect Water Still

The WFIS series Multiple Effect Stills are designed and constructed for the production of Water for Injections (pyrogen-free sterile water) in full compliance with cGMP guidelines, inline with FDA and EMEA expectations. A key driver in Telstar Puretech engineering efforts is energy efficiency, ensuring optimal use of energy resources without compromising quality.



### PSG Pure Steam Generators

The PSG series Pure Steam Generators deliver dry saturated pyrogen free steam in compliance with Pharmacopoeial specifications. The PSG is built to a vertical design with a DTS evaporator, a separator ensuring no droplets or impurities pass through to the product steam. The generators are designed with energy recovery and non-condensable gas evaporation systems to give a constant supply of high purity steam.

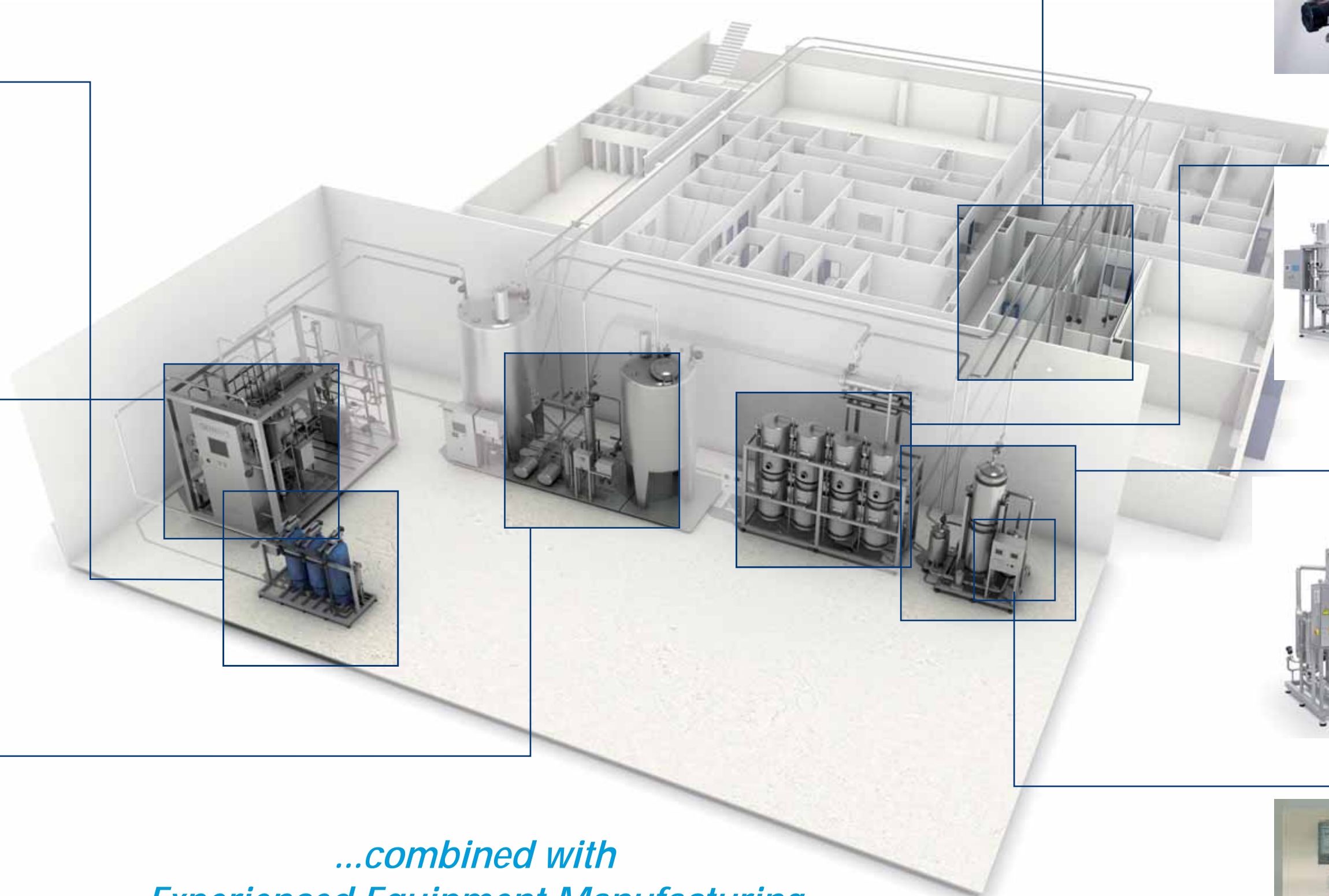


### Integrated Automation Systems

A fundamental requirement for a Pharmaceutical water system is a reliable control system to ensure optimal performance and monitoring of critical parameters. With Telstar Puretech the control system is fully integrated within our systems to ensure that the user has information on performance at their fingertips. Our GAMP compliant control systems can be centralised into a dedicated SCADA system or integrated into your BMS.



...combined with  
Experienced Equipment Manufacturing





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