

Wales & West Utilities Boiler System Upgrade at a Gas Pressure Reduction Facility

“First and foremost can you pass on my appreciation to the electrical and mechanical guys who completed a sterling job. Their effort and commitment throughout the three weeks was unwavering, sacrificing nights away from their families to deliver this project in a timely manner.”

Carl Speicher, Wales & West Utilities



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YOUR OPERATION.**

“The professionalism they showed throughout the project is a credit to yourself and Armstrong. Their workmanship is first class and of the highest standard; they took a lot of pride in their work to deliver a high-quality installation.”

Carl Speicher, Wales & West Utilities

Background

Wales & West Utilities required a critical upgrade to its gas pre-heating system at the Gilwern Above Ground Installation (AGI). The existing system consisted of nine 500 kW obsolete boilers and outdated controls, leading to efficiency and reliability concerns. To maintain operational resilience and compliance, a full system replacement was required within a controlled three-week shutdown period.

Armstrong **Industrial** was contracted to design, fabricate, and deliver a modern, efficient boiler solution while ensuring minimal disruption to ongoing site operations.

Solution

The Armstrong scope of works included:

Off-site fabrication of a complete boiler system comprising 6 × 550 kW boilers, each with individual boiler pumps, integrated pipework headers, and a central control panel.

Delivery and off-loading of the prefabricated system to enable rapid on-site deployment.

Installation of new boilers and controls within the existing boiler house, with tie-ins to existing connections completed by a six-person team over three weeks.

Final commissioning to validate system performance and operational readiness.

The off-site fabrication strategy minimized site installation time, allowing the project to be completed within the specified three-week shutdown window.

Tech-info

6 × 550 kW Boilers

Individual Boiler Pumps

Pipework Headers

Integrated Control Panel

Results

The upgraded boiler system was delivered and commissioned on time and to budget, meeting the project's fixed-price scope. The installation provided Wales & West Utilities with:

A modern, efficient boiler plant with increased reliability.

System Envelope control solutions optimised the system performance reducing emissions aligning with (the client) sustainability goals.

A seamless transition from obsolete to new equipment.

High-quality workmanship with minimal disruption to site operations.

A solution that met operational and compliance requirements.

For more information, contact your local Armstrong representative or visit us at:
armstrongfluidtechnology.com/en/industrial/home

Armstrong **Industrial**