



PTSG

PREMIER TECHNICAL
SERVICES GROUP LTD

Niche Specialist Service Provider



SMART TEMPERATURE MONITORING

Smart Legionella Control from PTSG

Switch to remote temperature monitoring for 24/7 compliance data and save money, time and reduce your carbon footprint.



Enhanced compliance



Increased intelligence from real-time data



Labour savings



Sustainability

How does it work?



Sensor

A small sensor and discreet temperature probes are installed on the pipework. The sensors are paired with the cloud gateway. No fuss, no major disruption – just smart engineering.



Data

Sensors send temperature data via the gateway to the cloud via secure cellular networks. Your data stays secure while giving you the insights you need.



Platform

A real-time online platform is accessible on mobile or desktop devices providing powerful insights to all the data gathered. Access your compliance status anytime, anywhere.



Reports and Alerting

Teams are notified of urgent non-compliances with email alerts. Reports are downloadable to be shared quickly and easily. No surprises, just the information you need when you need it.

Why Traditional Methods Just Don't Cut It Anymore

Existing methods of temperature monitoring in domestic systems can be unreliable and inconsistent, resulting in:



Energy and water wastage



Inefficient use of manpower



Costly processes



Inaccurate results







Limited compliance detail

The PTSG Difference: 30 Years of Water Engineering Expertise

At PTSG Water Treatment, a PTSG company, we've spent three decades perfecting water safety solutions. Our remote monitoring solution represents the evolution of Legionella control – from reactive checking to proactive protection.

Our formula for water safety success combines innovation, expertise, systems and people.

Why Choose PTSG Remote Monitoring?

-  **Enhanced Compliance**
Continuous monitoring ensures you meet regulatory standards consistently. Demonstrate your commitment to health and safety while simplifying audits with readily available records.
-  **Real-Time Intelligence**
Gain valuable insights into conditions that could foster Legionella growth. Spot problems before they become crises with trend monitoring and early warning alerts.
-  **Labour Savings**
Significantly reduce manual checks and associated costs. No more disruption to building access or time-consuming temperature rounds. Automation that actually works.
-  **Sustainability**
Reduce site visits, lower fuel consumption and carbon emissions. Efficient resource use through automation helps align with environmental goals while maintaining high compliance standards.

Technical Specifications That Matter

Feature	Specification
Sensor Accuracy	±0.3°C
Temperature Range	-20°C to +60°C
Battery Life	Up to 5 years
Data Transmission	Every 20 minutes
Gateway Range	Up to 10km line of sight
Data Security	End-to-end encryption, AWS cloud hosting
Uptime Guarantee	99.95%

Installation Made Simple

1. **Site Assessment** – Following Legionella Risk Assessment and schematic review
2. **Strategic Placement** – Sensors fitted at sentinel points and representative locations
3. **Non-Invasive Installation** – No modification to pipework required
4. **UKAS Calibration** – System calibrated using traceable thermometer
5. **Training & Support** – Comprehensive user training and ongoing technical support

Real Benefits for Real Businesses

Cost Savings Include:

- ✓ Elimination of manual temperature testing requirements
- ✓ Reduced water waste from testing procedures
- ✓ Lower energy costs from unnecessary heating during checks
- ✓ Fewer site visits reducing travel expenses
- ✓ Extended asset life through better temperature control

Environmental Benefits:

- ✓ Thousands of litres of water saved annually
- ✓ Reduced carbon emissions from fewer site visits
- ✓ Energy optimization through better system understanding
- ✓ Paperless operation eliminating physical documentation



Comprehensive Water Safety Management

Remote monitoring works best as part of a complete water safety programme. PTSG offers the full spectrum of services:

- ✓ Legionella risk assessment and review
- ✓ Water sampling and analysis (UKAS accredited)
- ✓ Tank cleaning and disinfection
- ✓ TMV servicing and maintenance
- ✓ Remedial plumbing works
- ✓ Staff training programmes
- ✓ Water treatment solutions

We have the expertise, resources and national coverage to manage all your water safety requirements.





Ready to Make the Switch?

Don't have sleepless nights worrying about compliance and legislation – hand it over to the water hygiene and treatment experts.

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Please get in touch for further information and to discuss a remote temperature monitoring trial.