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IoT Sensor Solutions

To drive efficiency and savings

Sensor Technology for Councils

Sensors have a multitude of uses for councils, including:

- Legionella & Pipe Monitoring
- Cold Storage
- Leak Detection
- Security
- Air Quality
- Smart Cleaning

Make efficiencies through technology and be at the forefront of IoT implementation.

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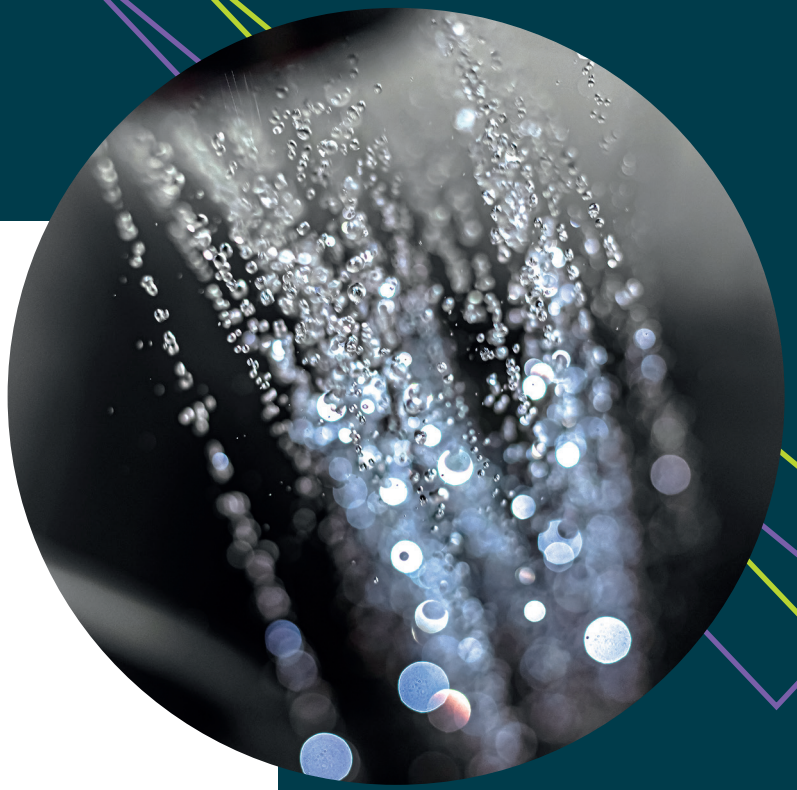

Legionella & Pipe Monitoring

HSG274 Part 2, also known as ACOP L8 outlines what steps are necessary to control legionella in hot and cold water systems.

A comprehensive risk assessment will have identified which taps need to be flushed regularly and there is a huge cost in terms of time and money to comply.

Flushing one tap once a week for 5 minutes at the required temperature uses around 600 litres of water annually, plus there is an energy cost to heat the water and a staff cost to manually flush, record it and produce the compliance report.

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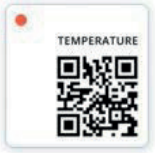
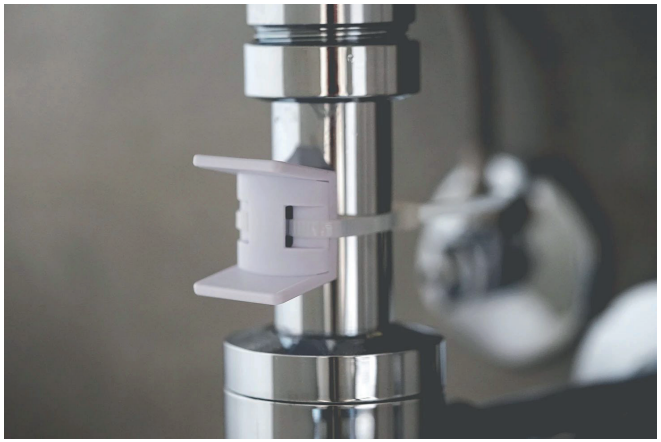
Legionella & Pipe Monitoring

Typically only around 5-10% of pipes identified in the risk assessment actually need flushing, but as there is no way to identify which ones, they all get flushed for L8 compliance

With Sygh t's remote monitoring system, a sensor is installed on pipes to continuously monitor water flow and temperature.

As a result, you can know exactly which taps have been used and whether or not they need flushing.





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Legionella & Pipe Monitoring

What this means for councils:

If staff or visiting engineers only need to flush 10%* of the taps they previously had to, this quickly results in vast time savings for the engineers and huge savings on water and utility costs for pipes that do not need to be flushed.

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*10% is the current upper limit of industry standard data on the average numbers being reported.

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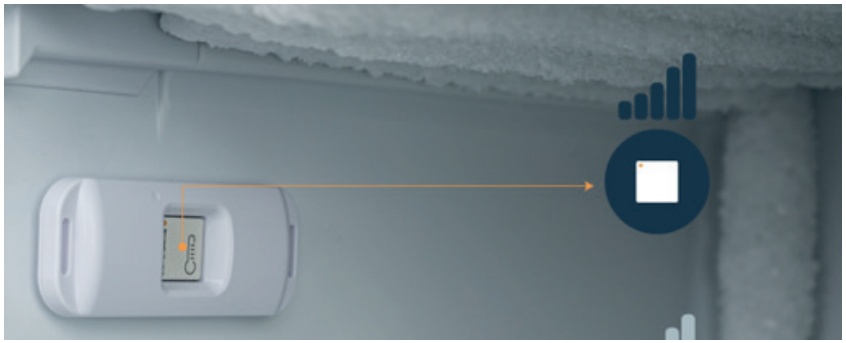
Cold Storage

Our sensors address the compliance requirements around temperature monitoring of food fridges, freezers and medication storage.

Our cold storage sensors constantly monitor temperatures inside fridges, freezers and walk-in chillers, sending data to the platform every 5 minutes.

The NHS utilises sensors for their medication storage monitoring and there is a multitude of uses for councils such as care homes, schools, or any building with a food and beverage offering or medication storage.



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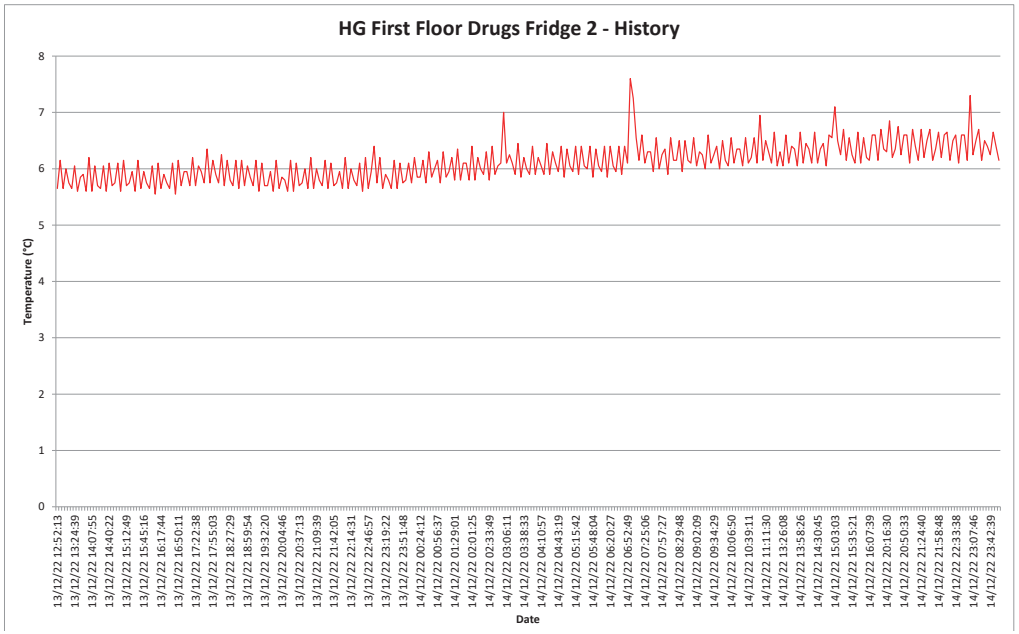
Cold Storage

Cold storage sensors eliminate the need for staff to repeatedly check and manually record cold storage temperatures, saving many hours of staff time. When premises get audited by an EHO or any inspecting body, simply refer to the data from the platform instead of producing paper copies of manual temperature checks.

Date	Temperature (°C)
2022-12-13 12:52:13	5.65
2022-12-13 12:57:37	6.15
2022-12-13 13:03:01	5.65
2022-12-13 13:08:29	6
2022-12-13 13:13:50	5.75
2022-12-13 13:19:14	5.65
2022-12-13 13:24:39	6.05
2022-12-13 13:30:04	5.6
2022-12-13 13:46:20	5.85
2022-12-13 13:51:42	5.9
2022-12-13 13:57:08	5.6
2022-12-13 14:02:30	6.2
2022-12-13 14:07:55	5.6
2022-12-13 14:13:19	6.05
2022-12-13 14:18:44	5.7
2022-12-13 14:24:08	5.65
2022-12-13 14:29:33	6.05
2022-12-13 14:34:58	5.6
2022-12-13 14:40:22	6.1
2022-12-13 14:45:47	5.7
2022-12-13 14:51:11	5.75
2022-12-13 14:56:36	6.1
2022-12-13 15:02:00	5.6
2022-12-13 15:07:25	6.15
2022-12-13 15:12:49	5.7
2022-12-13 15:18:14	5.75
2022-12-13 15:23:38	5.95
2022-12-13 15:29:03	5.6
2022-12-13 15:34:27	6.15
2022-12-13 15:39:52	5.65
2022-12-13 15:45:16	5.95
2022-12-13 15:50:42	5.75
2022-12-13 15:56:06	5.65
2022-12-13 16:01:30	6.05
2022-12-13 16:06:55	5.55



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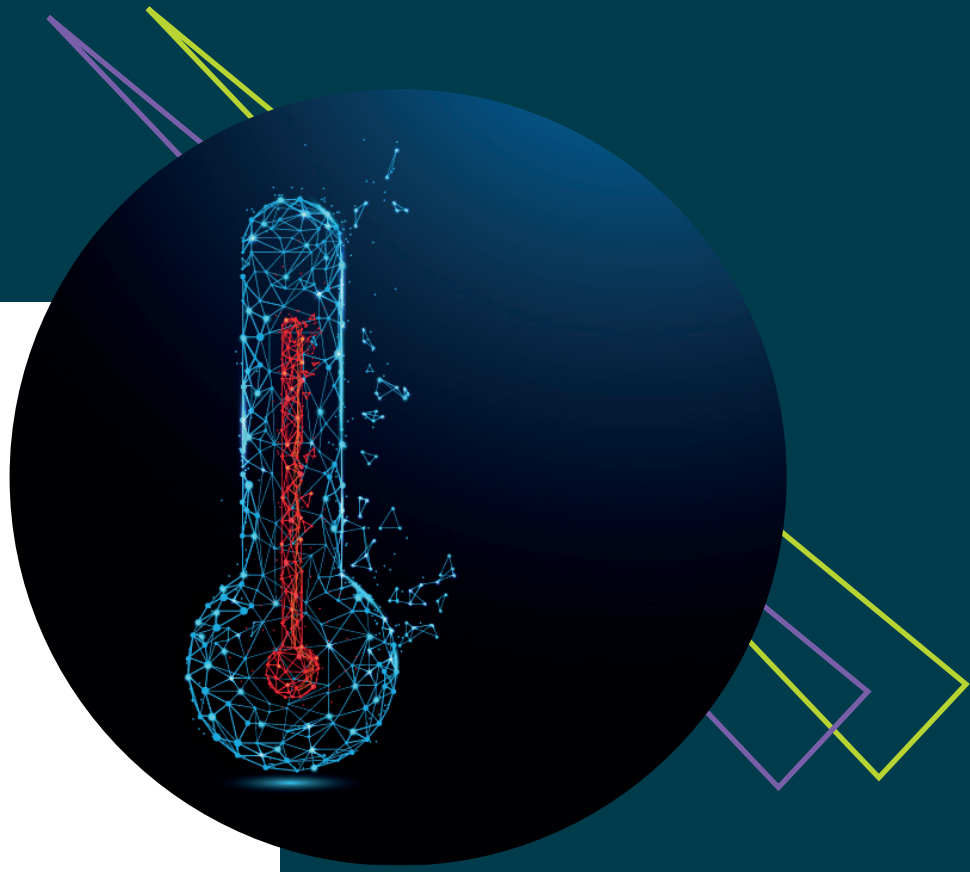
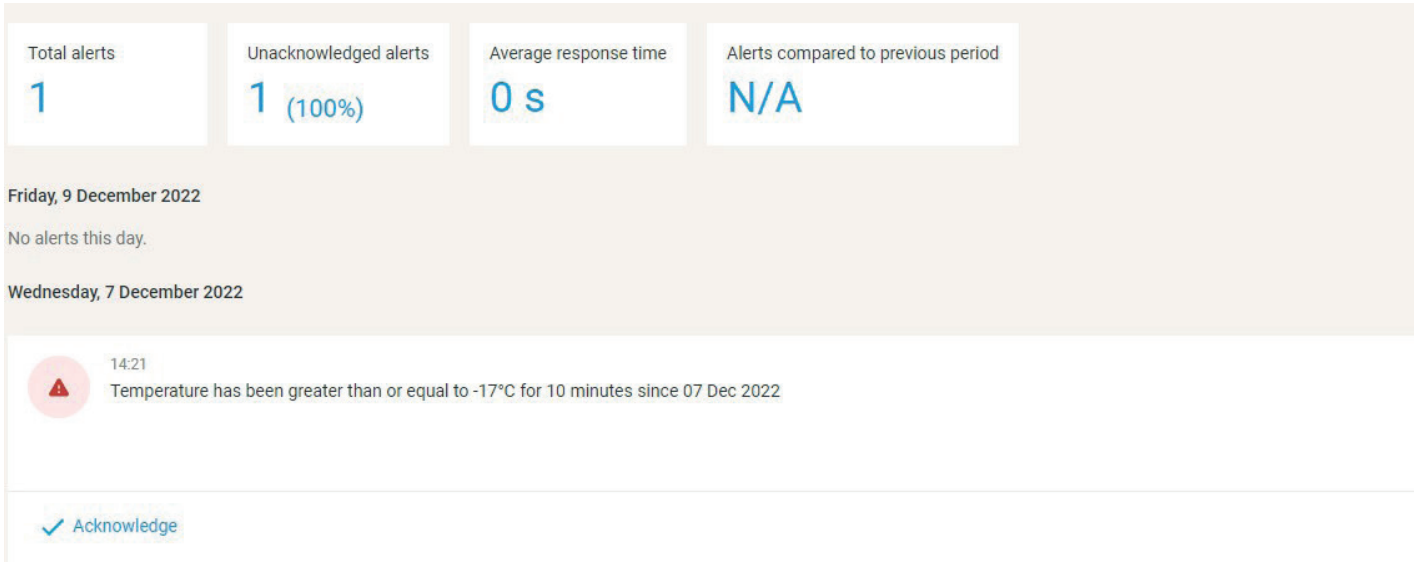


Cold Storage

Monitor by exception. The platform is available to see temperatures at any time, however, the real strength is in monitoring by exception. Have peace of mind, knowing that all temperatures are as they should be, unless you get an alert to tell you otherwise. Working by exception creates huge efficiencies, saves valuable staff time and offers re-assurance that compliance is being met and adhered to.



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Leak Detection

Sensors can be mounted on pipes and monitor for leaks, which can save damaged stock or premises.

Get alerts for high humidity and water leaks the moment they happen, so you can act fast and fix problems before they cause damage and disruption.

Don't wait for problems to be reported or identified during scheduled visits, be alerted as soon as they happen to avoid damage and costly repairs.

Protect vulnerable, council-run legacy and listed buildings from damage caused by leaking pipes.

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Safety & Security

Improve safety and security with real time alerts for unexpected or unusual activity.

Improve the efficiency of your team and save time on manual checks with automated alerts. Ensure fire doors remain closed to protect your critical assets and react quickly to break-ins and emergencies.

- Increase team efficiency: reduce requirement for security team walk arounds.
- Reduce risk: ensure fire doors remain closed to protect occupants.
- Improved security: create alerts to notify you when doors or windows are open at unexpected times.

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Air Quality

The conditions of indoor environments have never been more important to the health, safety and comfort of building occupants. On top of the risk of viruses spreading, levels of pollutants can be two to five times higher indoors than outdoors.

Measurable factors affect viral risk within buildings such as temperature, humidity and CO2 levels.

Get air quality data and alerts in real-time to mitigate viral risk, with sensor technology feeding your decisions and actions.

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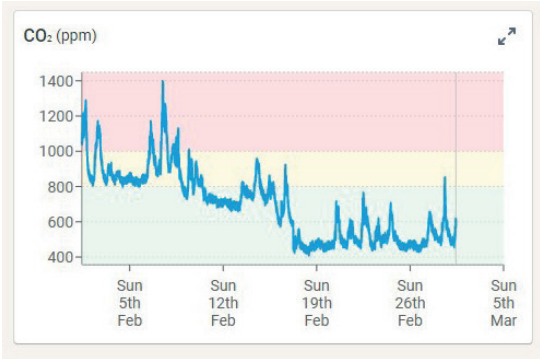
Air Quality

The results of continuous air quality monitoring quickly add up to spotting problems with the building's HVAC system.

If you only get your HVAC tested once or twice a year, you could be missing the problem indicators, and only find out there is a problem when it fails completely.



As soon as an Air Quality Monitor was installed in this office it became immediately obvious, due to the high CO2 levels, that despite twice yearly checks, the HVAC system wasn't working effectively. Once repaired the CO2 levels returned to acceptable range.

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Smart Cleaning

Only clean when and where it is needed. Understand where and how each area of your building has been used during the day using proximity sensors, so you know exactly when and where to clean.

Get a report before night cleaners start their shift, showing where they need to clean.

Get real-time alerts to day cleaner's phones or email to clean as and when it's needed.

Review performance and cleaning logs to optimise rotas and improve occupant satisfaction.

CUT UNNECESSARY COSTS: save up to £15k per year in unnecessary cleaning costs for every 10 bathrooms.

INCREASE PRODUCTIVITY: Focusing cleaning teams' efforts can increase productivity by up to 45%.

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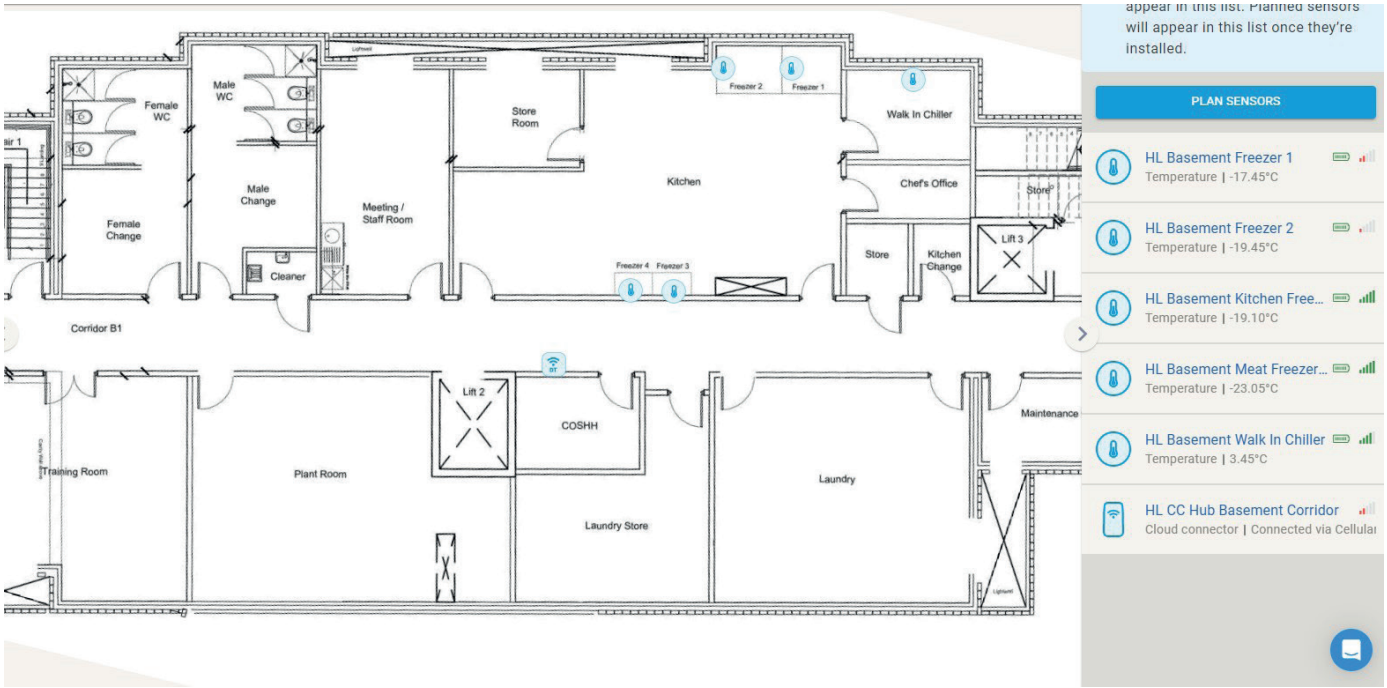
Set Up

SET UP

To set up we upload your floor plan to the app and map your sensors to give you overview of your premises:



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Thank you

for more information visit

https://syght.co.uk/

We are happy to arrange a product demo and talk through a bespoke solution for your requirements.

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