İNFORM

Digital water temperature monitoring

KWC DVS. The new name of DVS & Franke Sissons

DVS
Dart Valley Systems

FRANKE

ABOUT US
Who we are

> ❝ **YOU CAN HAVE DATA WITHOUT INFORMATION, BUT YOU CANNOT HAVE INFORMATION WITHOUT DATA**

Infection prevention is at the heart of Dart Valley Systems, and we continuously strive to enhance technology and water safety in public spaces.

Over 235 years of experience

Franke has been specialising in products for commercial washrooms for over 200 years and Dart Valley Systems has been a market leader in the field of water-saving products along with automatic washroom solutions for over 30 years. Together, Franke and DVS have united in order to provide one wonderful solution to specialist applications.

Dart Valley have specialised in water controls and water safety for a number of years and have extensive industry knowledge in providing exceptional solutions in this field. Alongside a vast product portfolio, DVS have an expert team of engineers and specification sales managers that are on hand to support with specification advice, product knowledge, installations, and tailored project solutions.

SECTORS

- Healthcare
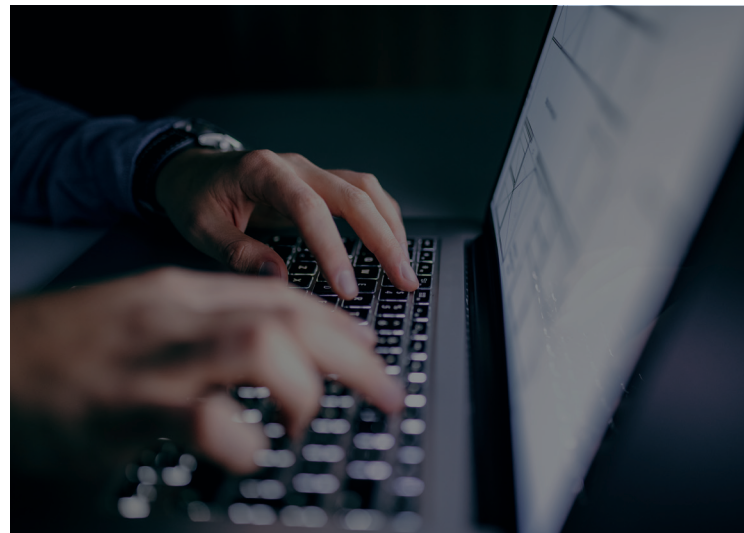- Retail
- Sports and leisure
- Transport
- Care/residential homes
- Hotels
- Offices

Contents

IMPORTANCE OF TEMPERATURE MONITORING
Hygienic and compliant solutions

DEVELOPMENT

We have designed Inform to not only ensure that water is safe but to encourage efficiency, compliance and management of all building assets to provide reliable data that is recorded with absolute precision.

MONITORING DATA ON BUILDING ASSETS

Monitoring water temperatures are key to water safety and will help to minimise the growth of waterborne pathogens, reducing the risk of infection. Inform is a highly intelligent digital solution that has been designed to monitor, maintain and provide data on assets within a building. Shifting to digital operations and management can have huge benefits within a building and this easy to use system provides peace of mind that you are operating at the highest safety levels and complying with building requirements.

COMPLIANT
Complies with industry guidance
and legislation to keep up with
changing water system behaviours.

LOW RISK
Reduce the risk of scalding,
freezing and ensure compliance
with round the clock monitoring.

FLEXIBLE
Completely flexible to suit
different building types and
environments.

RELIABLE
Monitor all assets throughout the
building and schedule planned
preventative maintenance activities.

SUSTAINABLE
Environmental benefits with
reduced water wastage and fewer
engineer call outs.

PRECISION
Intelligent, real-time data that can
be accessed and analysed 24/7
with detailed reporting.

REMOTE MONITORING OF WATER
Real-time temperature monitoring

Leading the way in infection prevention

In semi-public and public buildings such as hospitals, care and residential homes, education facilities, transport hubs, places of work and leisure facilities, there is a requirement for safe water. Temperature control is the traditional strategy for reducing risk within a buildings water system. Inform's 24/7 monitoring provides detailed & accurate information which allows for effective management to ensure compliance.

Legionella control and infection prevention have never been so important as they are today, integrating the Inform system allows for remote monitoring of assets and reduces multiple site visits, ultimately providing a more intelligent, efficient and accurate solution. The platform offers a state of the art, practical reporting system which provides a whole range of accurate data that can be exported.

Functionality

The upload functionality has the capability to upload building schematics, asset locations and documents such as invoices, installation manuals and notes.

Simple installation

A fully installed functioning system that includes full set up as part of the package, all you need to do is subscribe to the platform to access all data and reports on the dashboard.

Tried and tested

DVS has been working in this field for a number of years and have extensive knowledge of safe water management and water temperature monitoring.

CHALLENGES & BENEFITS
Traditional water monitoring vs Inform

	Challenges with traditional water monitoring	Benefits of inform system
Number of site visits	Regular site visits	Reduced site visits
Data recording	Site log book	Secure server
Monitors water temperature	✔	✔
Real time temperature monitoring	✘	✔
Map & manage complete water system	✘	✔
One platform to manage all assets	✘	✔
Upload schematics & asset documents	✘	✔
Identifies risks in real time	✘	✔
Manage statutory monitoring tasks	✘	✔
Min, mean, max temperature recordings	✘	✔
Risk based alert system	✘	✔
Accurate data readings	✘	✔
Remote access to data	✘	✔
Lifetime data analysis	✘	✔
Secure cloud based system	✘	✔
Reduces on-site disruption	✘	✔
Cost savings and reduced labour time	✘	✔

Challenges of traditional water temperature monitoring

Traditional water monitoring methods can pose challenges, from human error in data collection to site access issues. These issues could potentially lead to non-conformance and health risks within hot and cold water systems where optimum temperatures for microbial growth and stagnation may occur. By integrating intelligent solutions such as the Inform system to your building's assets you can reduce travel costs, reduce on-site disruption and ensure regular and accurate service checks. The smart digital system can also provide environmental benefits due to fewer site visits which reduces fuel emissions.

> A temperature control regime is the traditional means of controlling Legionella in hot and cold water services. Hot and cold water systems should be maintained to keep cold water, where possible, at a temperature below 20°C, and to keep hot water stored at 60°C and distributed so that it reaches the outlets at 55°C within one minute.

HSG274 Part 2: The control of legionella bacteria *in hot and cold water systems*

DVS INFORM
How it works

INFORM DEVICE

SETTINGS

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Features

- Intuitive software and clear graphic displays
- Full audit trail of all events
- Designed for desktop, tablet & mobile
- Accurate reporting & documents stored in the system
- Real time data captured every 10 seconds
- Min, med, max data recorded every 15 minutes
- Complies with ACoP L8, HSG 274, HTM 04-01
- No requirement to access IT data networks
- Anti-microbial system box with easy installation*
- Long life (5 years†) replaceable batteries
- Installed complete and ready to operate*
- API integration to existing CAFM systems
- Continuous technical support service

* Inform and sensors provide easy installation in either new builds or refurbishment projects without the need to disrupt existing building structures. Installation must be carried out by a trained professional.

† Battery life is dependant on frequency of signals and settings.

How it works

Monitoring assets is key to water safety in any building. Inform has been developed as an efficient risk management tool that continuously monitors the temperature of a water system, providing superior risk management information. The Inform system utilises Narrowband IoT Low Power Wide Area Technologies (LPWA) which provides increased building penetration and ensures excellent communication in dense urban settings and extremely remote areas.

Inform sensors constantly monitor the temperature of a water system, profiling and providing data to the central management system that alerts of any potential risks. The devices are easy to install onto pipework, and the software is intuitive and designed for easy water temperature monitoring.

CLOUD

NFORM

REPORTS
ALERTS & DATA

RM PLATFORM

EFFICIENT MONITORING
Easy management with user friendly dashboard

Inform is powered by an intelligent online data management system with a user-friendly dashboard that is accessible on any device. The dashboard consists of 6 key functions that include:

NEW ALERTS
Email notifications to report new issues as they happen

ACTIVE ALERTS
Acknowledged & unresolved alerts remain open with default reminders to ensure compliance

CLOSED ALERTS
Rectified issued will close (historical data will still be available)

ADMINISTRATION
Upload general notes, contact details, building plans, manuals

REPORTS
Real time 24/7 data and reporting on water temperatures per asset

INFORMATION
In dashboard and within each asset. Plans, user manuals, instructions etc.

INTELLIGENT DASHBOARD

The platform has been designed to be user friendly yet practical, with high functionality. The various icons on the dashboard provide you with the functions you need to monitor and manage your assets effectively.

RELIABLE DATA SOURCE
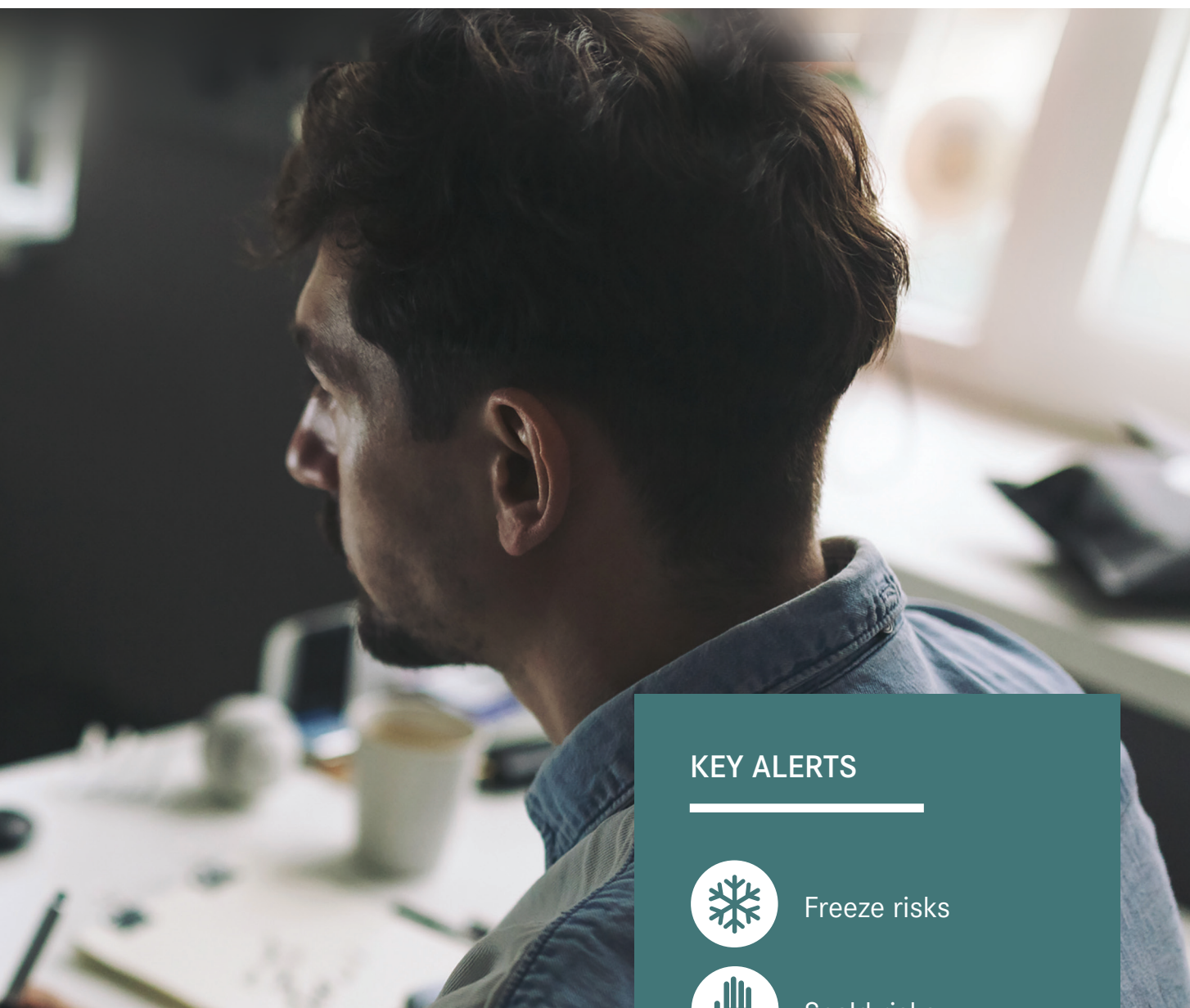## Detailed reporting

Reporting

Reporting on the Inform platform is clear and simple to use, making risk assessment and asset management easier than ever before. The reporting is split into two clear sections; Alerts and Temperatures, allowing you to monitor and manage any possible risks at the click of a button. Reports can exported into a CSV file to easily identify and cross reference historical data.

Alerts

The alerts section provides a clear view of all alerts for the assets in the building. You are able to set clear parameters depending on building needs. Other alerts may include freeze, bacterial, scald and temperature alarms, these are all set depending on building requirements. There is also an option for service alerts in line with PPMs, for example every 6 or 12 months.

KEY ALERTS

❄️ Freeze risks

✋ Scald risks

🌡️ Temperature alarms

🔔 Service alerts

Temperatures

The temperature section is based on each individual asset and the Inform system will report specific to each asset. This data can also be exported in a CSV file and filtered to provide enhanced analytics. The data is also stored by calendar month, making it easily accessible and identifiable when trying to cross reference specific time frames.

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