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Justrite Safety Group

connect

Smart monitoring from Hughes

Connect from Hughes is an emergency safety shower and eye/face wash monitoring system offering 24/7 tracking of your equipment.

This dashboard reporting tool provides data on water supply temperature, ambient temperatures and tank shower water levels, plus instant alerts if maintenance is required or if a unit has been activated. Data and tracking information is stored on the Cloud for instant access from anywhere.





Frequently Asked Questions

Why do I need to monitor my safety showers and eye washes?

Regular inspection, testing and servicing of emergency safety showers and eye/face wash equipment is essential, not only to ensure proper functionality but also to satisfy the requirements of European and International standards.

EN15154 and ANSI Z358.1-2014 stipulate a number of requirements for the satisfactory operation of safety showers and eye washes focused on factors such as the desired water temperature and duration of operation. A weekly inspection and activation test is necessary to ensure these criteria are being met and that this life-saving equipment is operating effectively. All of this information must be recorded and the data stored for auditing purposes.

With the introduction of smart safety monitoring, these criteria can be assessed remotely, around the clock, with all data stored in the Cloud. On site operatives

can be instantly alerted to any issues or maintenance requirements, as well as when a shower has been activated.

How does it work?

Sensors are fitted to the shower to monitor shower and/or eye wash activation, tank levels and water temperature.

Encrypted messages are sent from the sensors to a central gateway(s) providing live metrics on the status and performance of the showers and/or eye washes. The gateway must be connected to the internet either via Wi-Fi or a LAN connection - these speak securely to the Hughes cloud based system and store the information safely.

Alerts are sent when the water temperature is out of range, the water level is low or when an activation takes place. Utilising a low power, long distance protocol enables the sensors to communicate over long distances.

The dashboard displays the following information:

- Site Information:** Site Name: Stockport site; Site Status: Showers online: 5/8.
- Safety Showers Table:**

DeviceID	Shower	Shower Status
EPW04	Admin Lab Test Area	Online
EPW05	Admin Lab Test Room	Online
TS01	Tanker Loading Bay	Online
TS02	Production Area	Offline
TS03	IBC Station	Offline
- Alerts Table:**

DeviceDescription	GeneratedAt	Severity	Message
Admin Lab Test Area	4/16/2021 11:46:11 AM	Info	An EyeBath (EPW04) Tank Shower was activated at Apr 16 2021 12:46PM for 20:55:50 seconds.
Admin Lab Test Area	4/16/2021 4:19:42 PM	Info	An EyeBath (EPW04) Tank Shower was activated at Apr 16 2021 5:19PM for 20:01:51 seconds.
Admin Lab Test Room	4/16/2021 4:08:41 PM	Info	An EyeBath (EPW05) Tank Shower was activated at Apr 16 2021 5:08PM for 20:02:56 seconds.
BLBS Lab	4/16/2021 3:34:04 PM	Info	An EyeBath (EPW01) Tank Shower was activated at Apr 16 2021 4:34PM for 20:02:53 seconds.
Prod AIG Room	4/16/2021 3:34:01 PM	Info	An EyeBath (EPW03) Tank Shower was activated at Apr 16 2021 4:34PM for 20:09:22 seconds.
Prod AIG Room	4/16/2021 3:44:10 PM	Info	An EyeBath (EPW03) Tank Shower was activated at Apr 16 2021 4:34PM for 20:09:22 seconds.
- Sensor Data for Production Area (4182001):**

SensorName	Selected Value	Unit
Ambient Temperature		Degree C
Eye Wash Activation	1.00	ON/OFF
Shower Activation	0.00	ON/OFF
Tank Water Level	-67.00	HIGH/LOW
Water Temperature	23.20	Degree C

Innovative dashboard reporting tool, developed in partnership with Microsoft®, provides real-time data on the status of safety showers and eye washes across single or multiple sites.



How are the instant alerts received?

First responder and preventative maintenance alerts can be received via text or email 24 hours a day, 7 days a week.

How is Connect powered?

Each sensor is powered by its own lithium battery, designed to last in excess of 7 years.

What are the minimum operating requirements to utilize Connect?

The Connect dashboard is accessed using a web browser such as Chrome or Edge. No additional software installations are required.

Is Connect suitable for all environments?

Currently, Connect can be installed in non-hazardous environments only. ATEX certified equipment is under development and will be released at a later date.

Does Connect work with safety showers and eye washes manufactured by Hughes only?

If Hughes already service the safety showers and eye/face washes on your site then it is highly likely that you can benefit from the Connect system, whatever the manufacturer. Contact us directly to discuss your requirements.

Can this be retrofitted to existing equipment?

Safety showers and eye washes in good working order can be fitted with the hardware free of charge when signing up to a service contract and the subscription based dashboard reporting tool. If you are purchasing new safety equipment, the hardware can be added at time of manufacture.

Has the smart monitoring equipment been tested in any real site environments?

Both the hardware and software have been successfully tested and developed with the help of a number of customer sites. Industries included speciality chemicals, manufacturing, chemical storage and steel production.

Can I fit the hardware myself?

To ensure correct installation of the smart monitoring hardware, and for complete peace of mind, a dedicated Hughes service engineer will visit your site to fit the hardware. Our experienced engineers will be familiar with the safety showers and eye washes on your site and are best placed to handle the full installation of this latest technology.

What is the cost?

Connect smart monitoring from Hughes is a subscription based service and can be added to either our Essential or Essential*Plus* service packages. Costs are determined based on your unique site requirements.

Learn more about Hughes service offerings at: www.hughes-safety.com/service

Is Connect available worldwide?

At present, Hughes are able to offer Connect smart monitoring to customers and sites based in the United Kingdom only. Future roll-outs will be communicated via our website.

**Take protection of your workforce to
the next level and get connected!**

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