# Invisible Systems

# Legionella Guide



# A guide to understanding Legionella sensors in Real-Time Online

This guide will cover everything you need to know about adding, managing and understanding Legionella sensors in Real-Time Online.

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- 5. Dashboard
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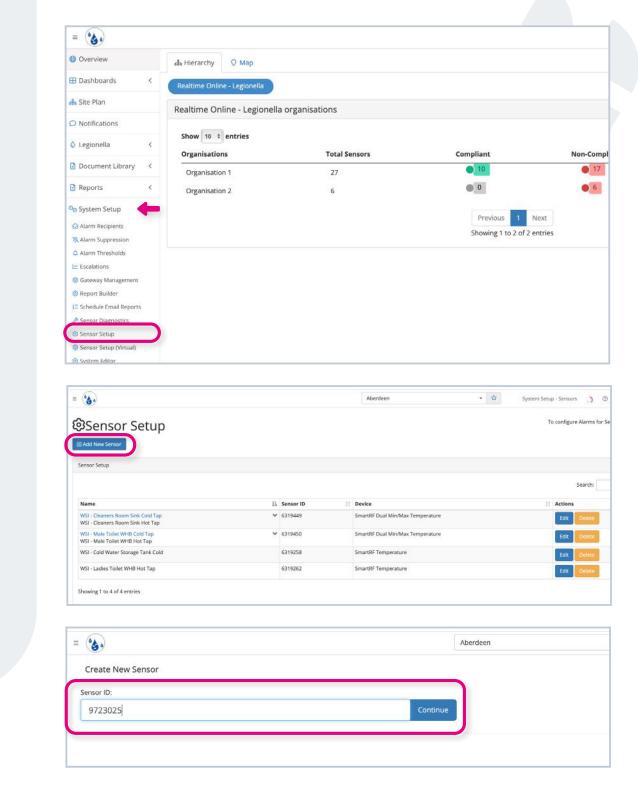
# Adding a new Legionella sensor

Click on **'System Setup'** in the side menu, then **click 'Sensor Setup'**.

### Step 2

You will be taken to the Sensor Setup page. Click **'Add New Sensor'**.

Type in your **sensor's ID number**, then click **'Continue'**.



The system will find your sensor type. You will then be able to **edit its details** on this page.

Legionella sensors can have up to four channels. In most cases, only the 'Temperature' point will need to be enabled. Make sure only the checkbox for 'Temperature' is ticked underneath each channel.

You can then add a suitable name for your sensor, choose your preferred unit of measurement, add a description or any relevant notes, and select a start date and time, i.e. when the sensor was added.

Once you have filled out the details for all channels, **click 'Add Sensor'**.

· 🔥			Aberdeen		• 🔂 System Setup
Create New Sensor				Sensor Noming Key:	(D) = Sensor/D; {H} = channel h
9723025 [124A - Legion Select All	ella Min/Max Temperature]				
Channel 1					
g Temperature	Name: Temperature 1	Unit: <sup>In</sup> C	# Hidden on Dash	oard: 🗇	
Description:				/ Start Date	2023-02-08 12:46
Temperature (Min)	Name: Temperature (Min) 1	Unit: "C	: Hidden on Dash	oard: 🗠	
Description:				Ji Start Date	2023-02-08 12:46
Temperature (Max)	Name: Temperature [Max] 1	Unit: "C	# Hidden on Dash	oard:	
Description:				// Start Date	2023-02-08 12:46
Status 1	Name: Status 1.1	Unit: armed,disarmed	# Hidden on Dash	oard:	
Description:				🔏 Start Date	2023-02-08 12:46
Pulse Count 1	Name: Pulse Count 11	Unit: No Units	Hidden on Dash	oard:	
Description:				/ Start Date	2023-02-08 12:46
Status 2	Name: Status 2.1	Unit: armed, disarmed	# Hidden on Dash	ioard:	
Description		1 1 2 1 7 Normal States (11 C		/ Start Date	2023-02-08 12:46
Pulse Count 2	Name: Pulse Count 2.1	Unit: No Units	: Hidden on Dash	ward:	
Description:				Start Date	; 2023-02-08 12:46
Channel 2					
s Temperature	Name: Temperature 2	Unit: <sup>*C</sup>	# Hidden on Dash	ioard:	
Description:				, Start Date	2023-02-08 12:46

Channel 1							
Temperature	Name:	Office Kitchen Sink		Unit: *C	\$	Hidden on Dashboard:	
escription:	Clip-on	n device located under sink.				🖉 Start Date	: 2023-02-01 11:00
		Unit: No Units	¢	Hidden on Dasht	ioard: 🖂		
		Unit: No Units	¢	Hidden on Dasht	ioard: 🗌		

The sensor will then be added to the Sensor Setup page and is ready to be configured.

You can edit a sensor's details at any time by **clicking 'Edit'** beneath the 'Actions' column.

Similarly, remove a sensor at any time by **clicking 'Delete'** under the same column.

•			Aberdeen	- \$	System Setup - Sensors 🌖	9 2
Sensor Setup					To configure Alarms	s for Sensors
Sensor Setup						
					Search:	
Name	11	Sensor ID	11 Device		11 Actions	
Office Kitchen Sink Temperature 2 Temperature 3 Temperature 4	~	9723025	124A - Legionella Min/Max Temperature		Edit Delet	te
WSI - Cleaners Room Sink Cold Tap WSI - Cleaners Room Sink Hot Tap	¥	6319449	SmartRF Dual Min/Max Temperature		Edit Delet	te
WSI - Male Toilet WHB Cold Tap WSI - Male Toilet WHB Hot Tap	*	6319450	SmartRF Dual Min/Max Temperature		Edit Delet	te
WSI - Cold Water Storage Tank Cold		6319258	SmartRF Temperature		Edit Delet	te
WSI - Ladies Toilet WHB Hot Tap		6319262	SmartRF Temperature		Edit Delet	te i

			Search:
Sensor ID	11	Device	11 Actions
9723025		124A - Legionella Min/Max Temperature	Edit Delete
6319449		SmartRF Dual Min/Max Temperature	Edit Delete
6319450		SmartRF Dual Min/Max Temperature	Edit Delete
6319258		SmartRF Temperature	Edit Delete
6319262		SmartRF Temperature	Edit Delete

# **Sensor configuration**



Once you have added your Legionella sensor to the system, it's time to configure it.

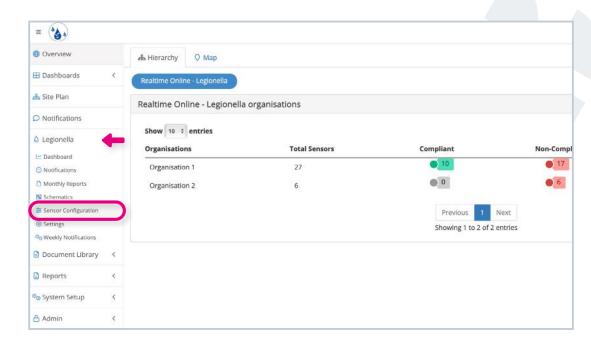
Click **'Legionella'** in the side menu, then **click 'Sensor Configuration'**.

### Step 2

You will be taken to the Sensor Configuration page.

Click the green 'Select Sensors to Configure' button.

Select the sensor(s) you want to configure from the drop-down menu, then click 'Add Sensors to Table'.



			urati									
Configure sensors												
											Search:	
Sensor Name		Тур	e	Fitting	6	Feed	i	Asset		Asset Number	Target Temp.	Offset
WSI - Cleaners Room Sink Cold Tap	More	Cold	•	Clip On	\$	Tank	\$	Furthest Cold	\$		20	-1
WSI - Cleaners Room Sink Hot Tap	More	Hot	٥	Clip On	٥	Mains	٠	Furthest Hot	\$		50	2
WSI - Cold Water Storage Tank Cold	More	Cold	¢	Clip On	\$	Tank	\$	Nearest Cold	\$		20	-1
WSI - Ladies Tollet WHB Hot Tap	More	Hot	\$	Clip On	\$	Mains	٥	Nearest Hot	¢		50	2
WSI - Male Toilet WHB Cold Tap	Mare	Cold	0	Clip On	•	Mains	0	Infrequent Cold	0		20	4
WSI - Male Toilet WHB Hot Tap	More	Hot	\$	Clip On	\$	Mains	•	Infrequent Hot			50	2

	-	Aberdeen			- 🛱	Legionella	a - Sensor Co	nfig
<b>A</b> 1 1 A	Select Sensors			×				
Configure sensors	Office Kitchen Sink +		+ Add Sensors Te	o Table				
0.85	[Select all]			_	s	earch:		
Sensor Name	Temperature 3		-	Asset	Asset Number	Target Temp.		Offset
WSI - Cleaners Room Sink Cold Tap	Temperature 4			st Cold	•	20	-1	
WEL Classes Deem Clair Use Tax		110			- C		10	

The sensor will be added to the table on the Sensor Configuration page.

#### From here, you can:

- Choose the water type: 'Cold', 'Hot', or 'Mains'.
- Choose the 'Fitting' of the device if you know it, e.g. whether it's clip-on or submersible device.
- Under 'Feed', choose whether the water is fed by a 'Tank' or 'Mains'.
- Select the 'Asset' you want the device to measure, e.g. the nearest cold tap in a room, or a specific tank.
- If you also know the 'Asset Number', you can type it in here.

Configure sensors													
											Search:		Excel
Sensor Name		Туре		Fitting		Feed		Asset		Asset Number	Target Temp.	Offset	
Office Kitchen Sink	More	Select One	\$	Select One	0	Select One	0	Select One					
WSI - Cleaners Room Sink Cold Tap	More	Cold	ŧ	Clip On		Tank	¢	Furthest Cold	\$		20	-1	
WSI - Cleaners Room Sink Hot Tap	More	Hot	¢	Select One	+	Select One	0	Furthest Hot	0		50	2	
WSI - Cold Water Storage Tank Cold	More	Cold	\$	Select One	\$	Select One	¢	Nearest Cold	\$		20	-1	
WSI - Ladies Toilet WHB Hot Tap	More	Hot	¢	Select One	\$	Mains	¢	Nearest Hot	\$		50	2	
WSI - Male Toilet WHB Cold Tap	More	Cold	٥	Select One	•	Mains	\$	Infrequent Cold	•		20	-1	
WSI - Male Toilet WHB Hot Tap	More	Hot	\$	Select One		Mains	٥	Infrequent Hot	\$		50	2	
						_							
iensor Name		ſ		Туре		Fitting		Fi	ed			Asset	Asset Number

- Type in the 'Target Temperature'.
- Type in an 'Offset' value. Clipon devices measure the water temperature through pipes, so there will be a slight discrepancy between the reading and the actual water temperature. The offset value is the amount that needs to be added or subtracted to make the temperatures match.

Optionally, you can click the blue 'More' button to add a sensor location and description. Once you have added these, click 'Save & Close'.

Fitting	Feed	Asset	Asset Number	Target Temp.	Offset
Clip On 🗘	Mains	\$ Furthest Hot	\$	50	2





			Aberdeen		· 合	Legi	onella - Sensor Config
6	_	- C	Additional Details	×			
- Ser	isor (	Configu	Sensor Description:				
			Clip-on device located under sink.				
						Search:	
		Туре	Sensor Location:	4	Asset lumber	Target Temp.	Off
	More	Hot	Main office kitchen.			50	2
Тар	More	Cold				20	-
ар	More	Hot		10		50	2
Cold	More	Cold	Save &	Close		20	-1
P	More	Hot	Select One     Mains     Arearest Hot	0		50	2

Click 'Remove' under the 'Actions' column to remove a Legionella sensor at any time.

Once you have made any changes, make sure you click 'Save'.

### Step 4

You can **export your table of sensors** to Excel or PDF format, or print it, using the respective buttons above the table.

If you have a lot of sensors, you can narrow down the table by **using the search bar**.

Asset	Asset Number	Target Temp.	Offset	Action
Furthest Hot		50	2	Remove

								Search:			
Тур	e	Fitting		Feed		Asset	Asset Number	Target Temp.	Offse	et	Action
Hot	\$	Clip On	\$	Mains	\$	Furthest Hot \$		50	2		Remove
Cold	\$	Clip On	\$	Tank	\$	Furthest Cold		20	-1		Remove
Hot	\$	Select One-	- +	Select One	- +	Furthest Hot 🔹		50	2		Remove
Cold	\$	Select One-	- +	Select One	- \$	Nearest Cold		20	-1		Remove
Hot	\$	Select One-	- +	Mains	\$	Nearest Hot 🔹		50	2		Remove
Cold	\$	Select One-	- •	Mains	\$	Infrequent Cold 🛊		20	-1		Remove
Hot	\$	Select One-	- \$	Mains	\$	Infrequent Hot 💲		50	2		Remove
											🗄 Sav
						Ļ					
				Sec	arch				Excel	PDF	Print
	Asset			Sea sset mber	Tá	n: arget emp.		Offset			
Furthe				sset	Ta Te	arget		Offset			Print

# **Configuring critical paths**



After configuring your Legionella sensors, you may also choose to configure critical paths.

This is an optional way to set up sensors based on hot and cold water taps. For example, you may set up one path for hot water pipes and one for cold water pipes.

You can add a new path on the Sensor Configuration page. Click **'Legionella'** in the side menu, then **click 'Sensor Configuration'**.

The 'Configure critical paths' section is at the **bottom of the page**.

🕀 Overview	ൿ Hierarch	y 🗘 Map			
🗄 Dashboards	< Realtime O	Online - Legionella			
Site Plan	Realtime	Online - Legionella	organisations		
O Notifications					
🗴 Legionella		entries			
🗠 Dashboard	Organisa	itions	Total Sensors	Compliant	Non-Compliant
O Notifications	Organis	ation 1	27	0 10	17
Monthly Reports	Organis	ation 2	6	0	6
Schematics	_				
Sensor Configuration				Previous 1 Nex	tt.
Settings				Showing 1 to 2 of 2 entr	ries
So Weekly Notifications					
Document Library	<				
Reports	<				
o System Setup	<				

onfigure sensors														
											iearch:	Excel	PDF	Print
Sensor Name		Туре		Fitting		Feed		Asset	Asset Number	Target Temp.	Offset	Excel	Acti	
Office Kitchen Sink	Mare	Hot	\$	Clip On	:	Mains	¢	Furthest Hot		50	2		Rem	w.
WSI - Cleaners Room Sink Cold Tap	Mare	Cold	\$	Clip On	+	Tank	\$	Furthest Cold		20	-1		llem	1
WSI - Cleaners Room Sink Hot Tap	More	Hot	:	Select One	4	-Select One	\$	Furthest Hot		50	2		hern	and .
WSI - Cold Water Storage Tank Cold	More	Cold	\$	Select One		Select One	\$	Nearest Cold		20	-1		Rem	244
WSI - Ladies Toilet WHB Hot Tap	More	Hot	0	Select One		Mains	٥	Nearest Hot \$		50	2		Rem	
WSI - Male Toilet WHB Cold Tap	More	Cold	٥	Select One		Mains	\$	Infrequent Cold		20	-1		Rem	-
WSI - Male Toilet WHB Hot Tap	More	Hot	\$	Select One	:	Mains	•	Infrequent Hot		50	2		Rem	eye.
howing 1 to 7 of 7 entries														
Select Sensors to Configure													8	Sav
Configure critical paths														
Path Name		Path Type		Feed		Default Temp		Default Offset		Sen	sors	Action		
Cold Water System		cold		¢ mains		0 20				OF	der Senaten	Hemose		

If you want to add a new path, click 'Add New Path'.

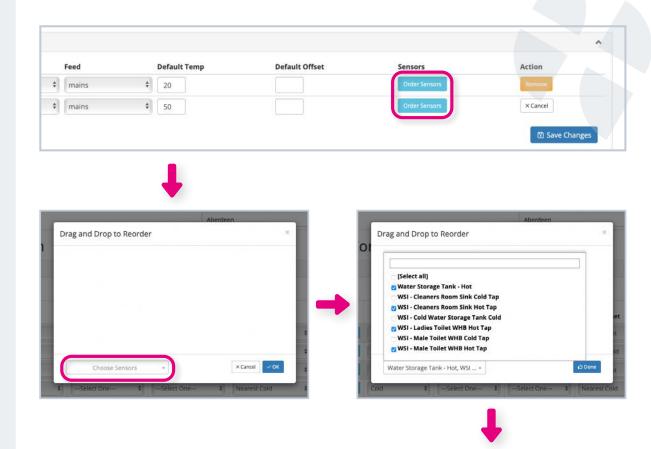
#### A new row will appear. You can then:

- Give the path a name.
- Under **'Path Type'**, specify whether it is hot or cold.
- Under **'Feed'**, choose whether the path is tank- or mains-fed.
- Type in a 'Default Temperature' and a 'Default Offset' value.

Configure c	ritical paths			
Path Name				
Cold Water	System			
figure critical paths		ļ		
figure critical paths	Path Type	Feed	Default Temp	Default Offset
	Path Type cold	Feed † mains	Default Temp	Default Offset

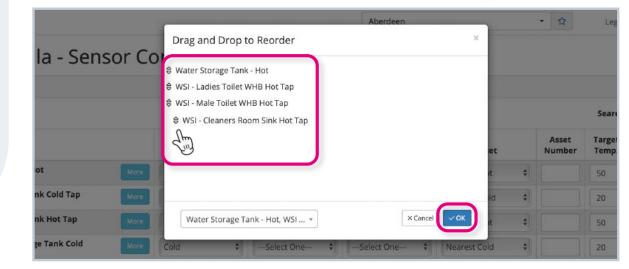
 Under 'Sensors', click 'Order Sensors'.

You will then be able to choose which sensors you want to add to the path from a list. **Drag and drop them to reorder** them so that they're in the correct order of the path, e.g. you might have a cold water tank at the top of the list, followed by the nearest cold water tap, and ending with the furthest cold water tap.



#### Click 'Ok'.

Once you have added all of the details to the critical path section, click 'Save Changes'.



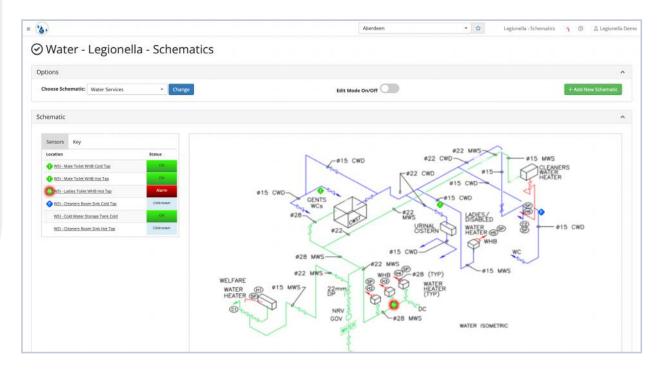
# **Schematics**

Adding 'Schematics' is an optional configuration action which allows you to better visualise your sensors and where they are located in your water system.

Click 'Legionella' in the side menu, then click 'Schematics'.

The page displays a diagram of any site plans - known as 'Schematics' - that you have added here.

=					
Overview	歳 Hierarchy	Q Мар			
🗄 Dashboards	< Realtime Onlin	ne - Legionella			
윪 Site Plan	Realtime Or	nline - Legionella or	ganisations		
Notifications					
💩 Legionella 🛛 🦂	Show 10 \$				
🗠 Dashboard	Organisatio	ns	Total Sensors	Compliant	Non-
O Notifications	Organisatio	on 1	28	• 10	
Monthly Reports	Organisatio	an 2	6	• 0	
Schematics	Organisado	712			
Sensor Configuration				Previous 1 Next	
Settings				Showing 1 to 2 of 2 entries	
👒 Weekly Notifications				Showing 1 to 2 of 2 entries	2
Document Library	<				
Reports	<				
💁 System Setup	<				
🛆 Admin	<				



To add a new schematic, **click 'Add New Schematic'** in the top righthand corner.

You can then **type in a name** for the schematic and **click 'Choose File' to upload** the diagram you want to add.

Click 'Submit'.



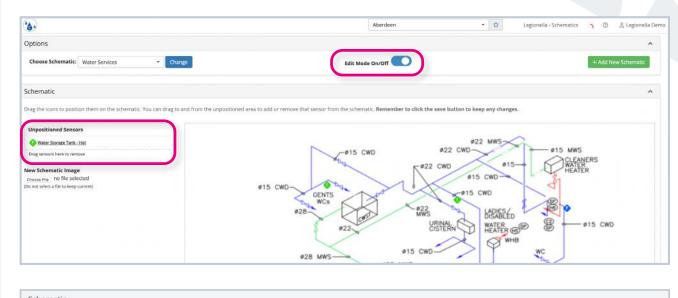
	Aberdeen	_
	Add a New Schematic	×
.S	Schematic Name	
	Schematic Image	
	Choose File no file selected (File Types allowed: gif, jpg, jpeg, and png. Maximum filesize is: 5.00M)	
	Submit	

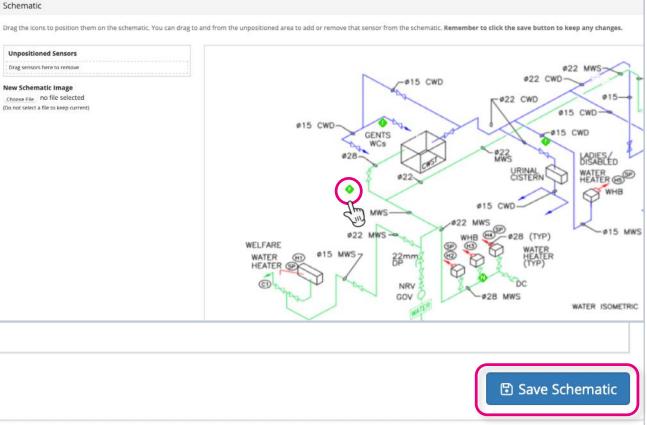
To add Legionella points to your schematic, **switch the 'Edit Mode On/Off' toggle** to blue (On).

Unpositioned sensors for this water system can be seen along the left-hand side of the diagram.

You can drag and drop the corresponding sensor points to the desired location on the schematic.

Once you are happy, **click 'Save Schematic'** in the bottom righthand corner.

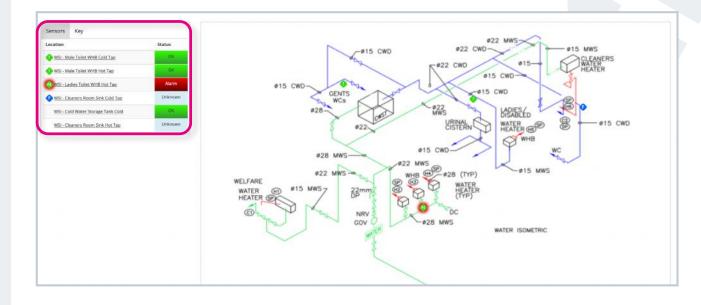




#### The colour of the sensor points corresponds to their current status, e.g. green ones are compliant, while red ones indicate an alarm. You can see a key on the left-hand side.

To view more details for a specific sensor, click on it in the key. This will bring up a chart, which displays the sensor's readings over a specified time frame. You can change the time period using the date fields below the chart.

Alternatively, you can view a sensor's chart by clicking on its point on the schematic.

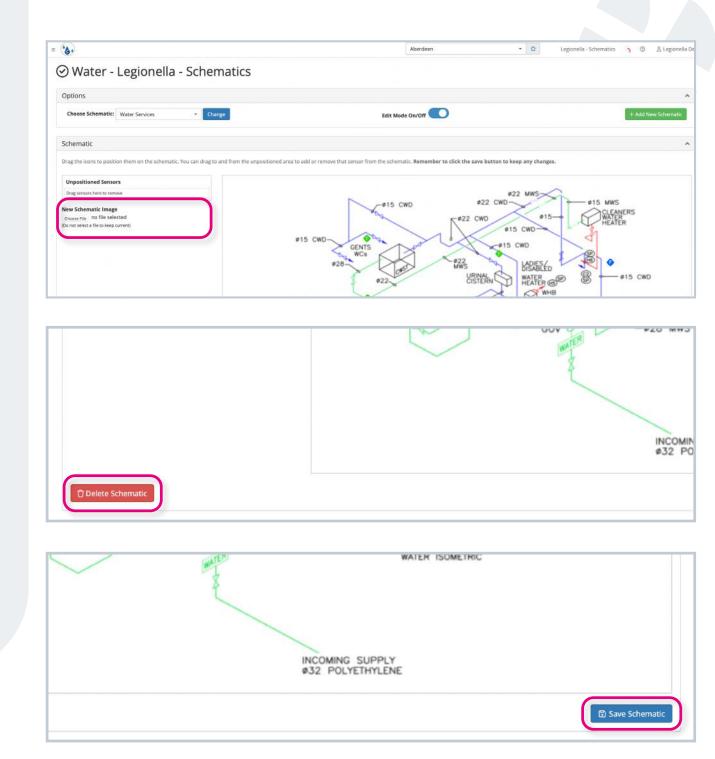




If you ever want to change the schematic's image, first make sure that 'Edit Mode' is switched on, then click 'Browse' under 'New Schematic Image' along the left-hand side. You'll then be able to upload a new diagram.

To delete a 'Schematic', make sure the diagram has 'Edit Mode' switched on, scroll to the bottom of the page, and click 'Delete Schematic' in the left-hand corner.

**Remember:** You must click 'Save Schematic' in the bottom righthand corner after making any changes.



# Settings

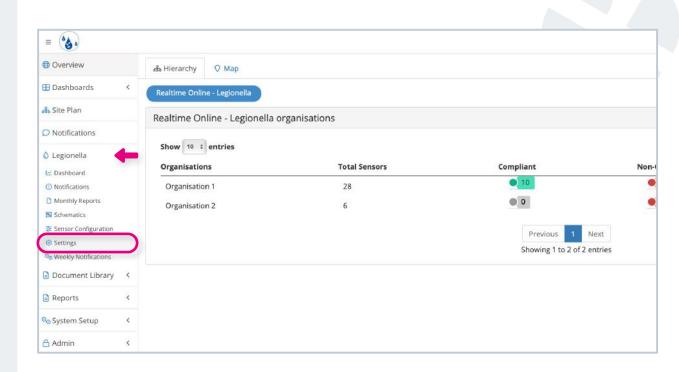
The Settings page is where you can change dashboard settings and set up weekly and monthly reports.

Click **'Legionella'** in the side menu, then **click 'Settings'**.

### Step 2

Under 'Dashboard Settings', you can choose whether you want the heatmap on your <u>Dashboard</u> to show compliant and non-compliant readings for that day ('Daily') or for that calendar week ('Weekly').

Once you have selected your preference from the drop-down menu, click 'Save'.



<b>(b)</b>	Aberdeen	+ 🔯 Legionella - Setting	zs 🛐 🗇 😤 Legionella Der
③ Settings			
Dashboard Settings			^
Heatmap Period			
√ Weekly			*
Daily			🔯 Save
Monthly Report Generation Settings			~
Configure which reports summaries will be generated for this system each month.		-	
Daily Weekly Weekly Click to view report previews: Monthly Condensed , Monthly , Weekly, Daily	Monthly Monthly Conden	sed CSV	😰 Save
Monthly Report Email Settings			^
Configure monthly reports to be sent by email.			
+ Add New Recipient			10 Save

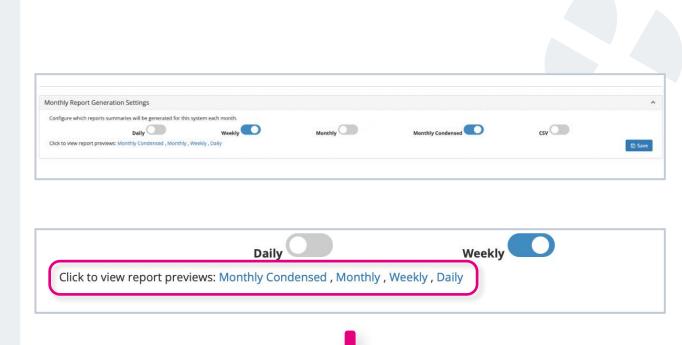
Under 'Monthly Report Generation Settings', you can choose the type of reports you want to receive by clicking the switch next to each one.

If you're looking for a **simple monthly overview** of which sensors have passed compliance regulations, a good option is the **'Monthly Condensed' report**.

You can **view a report preview** by clicking on one of the links below the switches.

Once you have chosen your report preferences, click 'Save'.

Please note: Reports generated here will be stored within the <u>Monthly</u> Reports' section of Real-Time Online.



#### Monthly Compliance Report - January 2023

Aberdeen

Probe compliance for 1st - 31st January 2023 inclusive

Probe Name	Asset Number	Critical Path	Туре	Value*	Status
WSI - Cleaners Room Sink Cold Tap		Furthest Cold	cold	-	Offline
WSI - Cleaners Room Sink Hot Tap		Furthest Hot	hot	-	Offline
WSI - Cold Water Storage Tank Cold		Nearest Cold	cold	9.6°C	Passed
WSI - Ladies Toilet WHB Hot Tap		Nearest Hot	hot	18.6°C	Failed
WSI - Male Toilet WHB Cold Tap		Infrequent Cold	cold	8.6°C	Passed
WSI - Male Toilet WHB Hot Tap		Infrequent Hot	hot	64.3°C	Passed

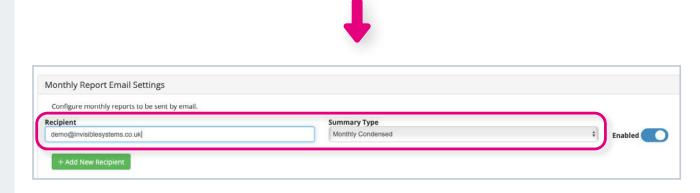
\* Value is max temperature for hot appliances and min temperature for cold appliances.

Under 'Monthly Report Email Settings', you can choose which people are sent these monthly reports.

#### To do this:

- Click 'Add New Recipient'.
- A row will appear. Type in their email address in the 'Recipient' field.
- Choose the type of report you want them to receive under 'Summary Type'.

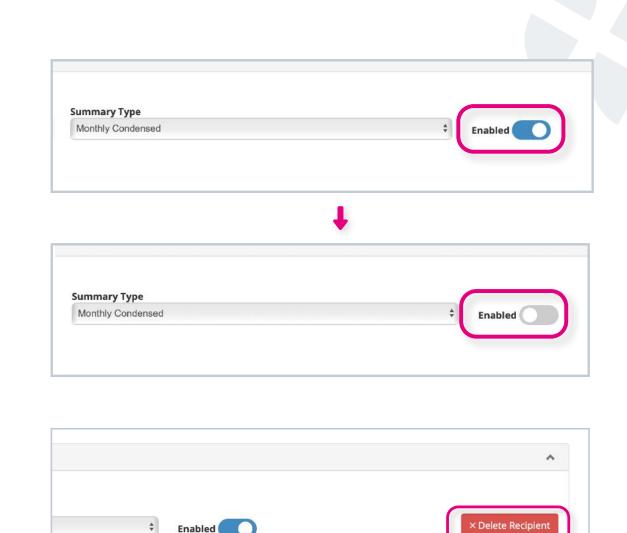
<b>6</b>		Aberdeen	• ☆	Legionella - Settings	<b>∩</b> ⊘	음 Legionella Der
🕄 Settings						
Dashboard Settings						^
Heatmap Period Weekiy						\$
						🕅 Save
Monthly Report Generation Settings						^
Configure which reports summaries will be generated for this system each month.           Daily         Weekly           Click to view report previews: Monthly Condensed , Monthly , Weekly, Daily	Monthly C	Monthly Condensed		csv 🔘		街 Save
Monthly Report Email Settings						^
Configure monthly reports to be sent by email. + Add New Recipient						🗄 Save
T AUG NEW REQUIENC						ET 29A6



- You can disable a recipient by switching off the 'Enable' button. These can be turned back on at any time.
- To delete a recipient, simply click the 'Delete Recipient' button'.

Once you have added all your recipients, click 'Save'.

Any recipients you have added will now receive a monthly summary of compliant and non-compliant readings.



Save

# Weekly Notifications Reports



The Weekly Notifications page allows you to configure weekly reports to be sent to users.

Click on **'Legionella'** in the side menu, then click **'Weekly** Notifications'.

### Step 2

If you want to send a report every week, check the 'Every Monday' box. The report will be sent on a Monday each week and only shows failed Legionella points. It will display the best reading of each non-compliant asset.

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Dverview	ൽ Hierarchy	Q Мар				
Dashboards <						
🕹 Site Plan						
Notifications						
🗴 Legionella						
🗠 Dashboard						
Notifications						
Monthly Reports						
Schematics						
🞏 Sensor Configuration						
Settings						
So Weekly Notifications	)					
Document Library <						
Reports <						
System Setup <						
Admin <						

		Weekly Notification Settings	0	名 Legionella Den
🗞 Weekly Notification Settings				
Weekly Notification Settings				^
Organisation weekly reports can be sent in 2 ways:				
• Every Monday A report of failed legionella points will be sent to the chosen recipients every Monday independently for each system These reports are in addition to the monthly reports, which can be configured on the	The recipients for the 8 <sup>th</sup> car The recipients for the 15 <sup>th</sup> ar	<b>hes per month</b> <sup>th</sup> , <b>15<sup>th</sup>, and 22<sup>nd</sup></b> of each month to the chosen recipients. be configured independently for each system. Ind 22 <sup>nd</sup> are configured across this organisation ( <b>O1 North</b> )		
Weekly Recipients				
Exclude offline sensors     If this option is checked, then the reports for this system will not show sensors the period of one month from the reports; reports in time.	at have not transmitted for a			
				🔁 Save

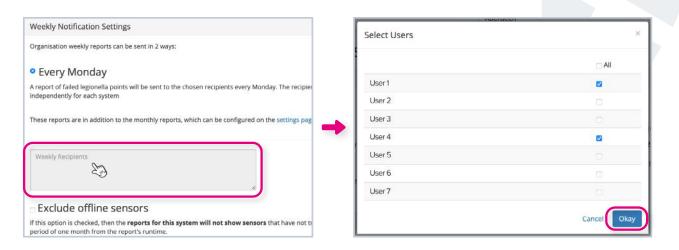
To choose which recipients should receive the weekly report, click on the 'Weekly Recipients' field and select which users should be added to the list.

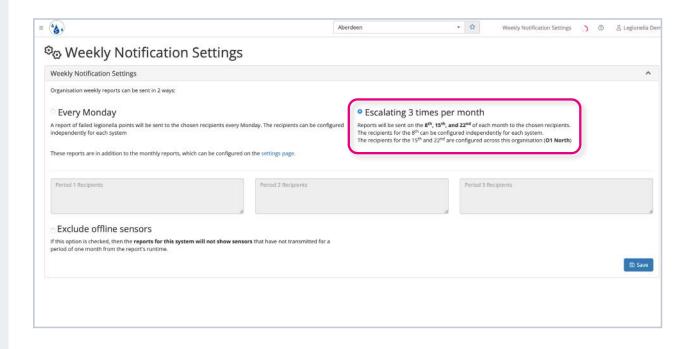
Click 'Okay'.

### Step 4

Alternatively, you may prefer to send reports three times per month. Check the 'Escalating 3 times per month' option.

With this option, the recurrence of non-compliant readings are escalated to different users as the month goes on.

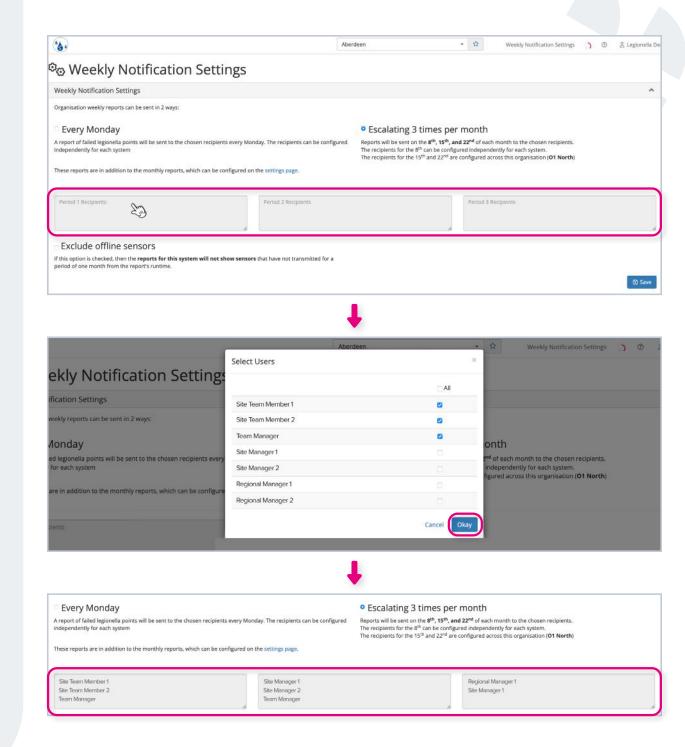




To choose which recipients are sent the 1st, 2nd and 3rd reports for that month, click on each field, choose your recipients from the list, then click 'Okay'.

Typically, 'Period 1' recipients will be users who can take action to resolve non-compliant points on site (e.g. by flushing a tap). They can then acknowledge the failed readings on the 'Notifications' page (see here).

'Period 2' and 'Period 3' users are usually management. Rather than receiving a report for just one site, they will receive an overview of all the organisation's sites. If a Legionella point remains noncompliant, they can step in and take further action.



You can also choose to **'Exclude offline sensors'** from any reports by ticking the checkbox.

This comes in useful if an asset is down for maintenance and won't be up and running for a while yet, i.e. it won't be classed as a failed point.

Always remember to click 'Save' in the bottom right-hand corner after making any changes to the Weekly Notifications page.

Organisation weekly reports can be sent in 2 ways:		
<sup>©</sup> Every Monday		• Escalating 3 times per month
A report of failed legionella points will be sent to the chosen re independently for each system	cipients every Monday. The recipients can be configured	Reports will be sent on the <b>8<sup>th</sup></b> , <b>15<sup>th</sup></b> , <b>and 22<sup>nd</sup></b> of each m The recipients for the 8 <sup>th</sup> can be configured independent The recipients for the 15 <sup>th</sup> and 22 <sup>nd</sup> are configured acros
These reports are in addition to the monthly reports, which car	be configured on the settings page.	
Period 1 Recipients	Period 2 Recipients	Period 3 Reci

ecipients every Monday. The recipients can be configured	Escalating 3 times per month Reports will be sent on the 8 <sup>th</sup> , 15 <sup>th</sup> , and 22 <sup>nd</sup> of each month to the chosen recipients.	
ecipients every monday. The recipients can be configured	The recipients for the <sup>8</sup> f can be configured independently for each system. The recipients for the <sup>8</sup> f can be configured independently for each system.	
an be configured on the settings page.		
<b>Il not show sensors</b> that have not transmitted for a		

# **Monthly Reports**

The Monthly Reports page is where you can access any reports generated by the system. You can change the settings of these reports on the <u>Settings</u> page.

Click 'Legionella' in the side menu, then click 'Monthly Reports'.

You will see a table displaying reports generated by the system, with the most recent report at the top.

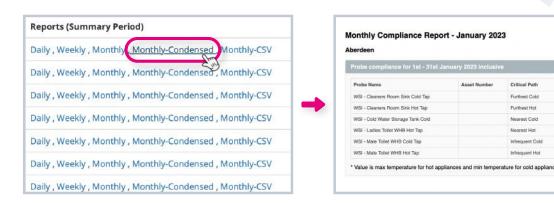
= 🍪				
Overview	ം Hierarchy 🛇 Map			
∃ Dashboards <	Realtime Online - Legionella			
🕹 Site Plan	Realtime Online - Legione	lla organisations		
Notifications		en neve 🐱 her er her er en en		
🗴 Legionella	Show 10 + entries Organisations	Total Sensors	Compliant	Non-Compliant
🗠 Dashboard	Organisation 1	28	10	• 18
Notifications     Monthly Reports     Schematics	Organisation 2	6	• 0	6
<ul> <li>Sensor Configuration</li> <li>Settings</li> <li>Weekly Notifications</li> </ul>			Previous 1 Showing 1 to 2 of 2	Next entries
🖹 Document Library 🛛 🔇				
Reports <				
System Setup <				
Admin <				

6.		Aberdeen	• \$	Legionella - Monthly Reports 🕠 💿	음 Legionella I	
Water - Legione	ella - Monthly Reports					
egionella Monthly Reports						
how 10 + entries				Search:		
Year-Month	Reports (Summary Period)					
2023-01 (January)	Daily, Weekly, Monthly, Monthly-Condens	ed , Monthly-CSV				
2022-12 (December)	Daily , Weekly , Monthly , Monthly-Condens	ed , Monthly-CSV				
2022-11 (November)	Daily, Weekly, Monthly, Monthly-Condensed, Monthly-CSV					
2022-10 (October)	Daily, Weekly, Monthly-Condensed, Monthly-CSV					
2022-09 (September)	Daily, Weekly, Monthly, Monthly-Condensed, Monthly-CSV					
2022-08 (August)	Daily, Weekly, Monthly-Condensed, Monthly-CSV					
2022-07 (July)	Daily, Weekly, Monthly-Condensed, Monthly-CSV					
2022-06 (June)	Daily, Weekly, Monthly-Condensed, Monthly-CSV					
2022-05 (May)	Daily, Weekly, Monthly-Condensed, Monthly-CSV					
2022-04 (April)	Daily, Weekly, Monthly-Condensed, Monthly-CSV					
Year-Month	Reports (Summary Period)					

To view a report, simply click the relevant link under the 'Reports' column.

### Step 3

To search for reports from a specific time period, type in the year and/ or month into the search bar above the table.



6.		Aberdeen	• \$	Legionella - Monthly Reports 🕥 🛞 🖄 Legione		
) Water - Legione	ella - Monthly Reports					
egionella Monthly Reports						
how 10 ‡ entries				Search:		
Year-Month	Reports (Summary Period)					
2023-01 (January)	Daily , Weekly , Monthly , Monthly-	Condensed , Monthly-CSV				
2022-12 (December)	Daily , Weekly , Monthly , Monthly-					
2022-11 (November)	Daily , Weekly , Monthly , Monthly-					
2022-10 (October)	Daily, Weekly, Monthly-Condensed, Monthly-CSV					
2022-09 (September)	Daily, Weekly, Monthly-Condensed, Monthly-CSV					
2022-08 (August)	Daily , Weekly , Monthly , Monthly-					
2022-07 (July)	Daily , Weekly , Monthly , Monthly-Condensed , Monthly-CSV					
2022-06 (June)	Daily , Weekly , Monthly , Monthly-					
2022-05 (May)	Daily, Weekly, Monthly, Monthly-					
2022-04 (April)	Daily , Weekly , Monthly , Monthly-	Condensed , Monthly-CSV				
Year-Month	Reports (Summary Period)					

Furthest Cold

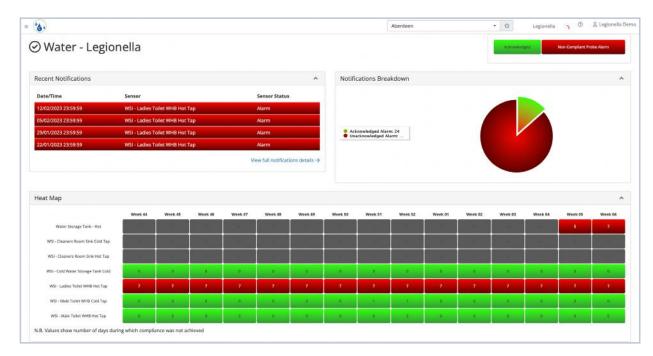
# Dashboard

Your Dashboard gives you an overview of compliant and non-compliant sensor points.

Click 'Legionella', then click 'Dashboard'.

On this page, you'll see that compliant points are highlighted in green, while non-compliant points are red.

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) Overview	க் Hierarchy 🛇 Map			
Dashboards <	Realtime Online - Legionella			
a Site Plan	Realtime Online - Legionella	organisations		
Notifications		en <del>e</del> ncennettäätää		
Legionella	Show 10 ÷ entries Organisations	Total Sensors	Compliant	Non-Compliant
≝ Dashboard	Organisation 1	28	• 10	• 18
Notifications			• 0	6
Monthly Reports	Organisation 2	6		
Schematics			Paral and Paral	
Settings			Previous 1	Next
Weekly Notifications			Showing 1 to 2 of 2	entries
Document Library <				
Reports <				
System Setup <				
Admin <				



Under 'Recent Notifications', you will see a **table of any current alarms**.

Click 'View full notification details' for more information on these alarms.

#### Step 3

Once an alarm has been acknowledged (e.g. the relevant tap has been flushed or a repair person has been called), you can click on the point in the 'Recent Notifications' table to officially mark the alarm as acknowledged.

Select an 'Action' from the dropdown menu, type in a description and notes if needed, and change the 'Action Complete' status to 'Yes'. Click 'Submit'.

Recent Notifications		*
Date/Time	Sensor	Sensor Status
12/02/2023 23:59:59	WSI - Ladies Toilet WHB Hot Tap	Alarm
05/02/2023 23:59:59	WSI - Ladies Toilet WHB Hot Tap	Alarm
29/01/2023 23:59:59	WSI - Ladies Toilet WHB Hot Tap	Alarm
22/01/2023 23:59:59	WSI - Ladies Toilet WHB Hot Tap	Alarm
		View full notifications details →

		Aberdeen	• \$	Legionella - Notificat
Notification Co	prrective Action			×
	Notification Details Alarm ID: 12056399 Sensor: WSI - Ladies Toilet WHB Hot Tap (6319262) Date: 12/02/2023 Time: 23:59:59 View Graph Out of Threshold: 100.00% Status: Alarm Email Sent: Not Sent SMS Sent: Not Sent	Action         Weekly System flushing implemented         Notes         Taps to be flushed every Monday at 3pm.         Action Complete         Yes         Action Completed Notes         Tap flushed and temperature now satisfactory.	- - - Submit	
/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100% Alarm	

Also on the Dashboard page, you'll see a **breakdown of notifications in the form of a pie chart**. This shows the proportion of acknowledged to unacknowledged alarms.

There is also a heat map showing compliant and non-compliant readings. You can change the view from weekly to daily, or vice versa, on the <u>Settings page</u>.

Click on a block to see a chart of all readings for that day or week. You can choose a different time frame by changing the 'From' and 'To' dates below the graph, then clicking 'Submit'.







# Overview

Click 'Overview' in the side menu.

This is a page that gives you an **overview of all your sites**. It summarises compliant/ non-compliant points on an **organisation-wide basis**, as opposed to looking at a specific system.

You'll see a table showing the monthly total number of sensors, compliant and noncompliant points, and any alarm notifications that have not yet been acknowledged.

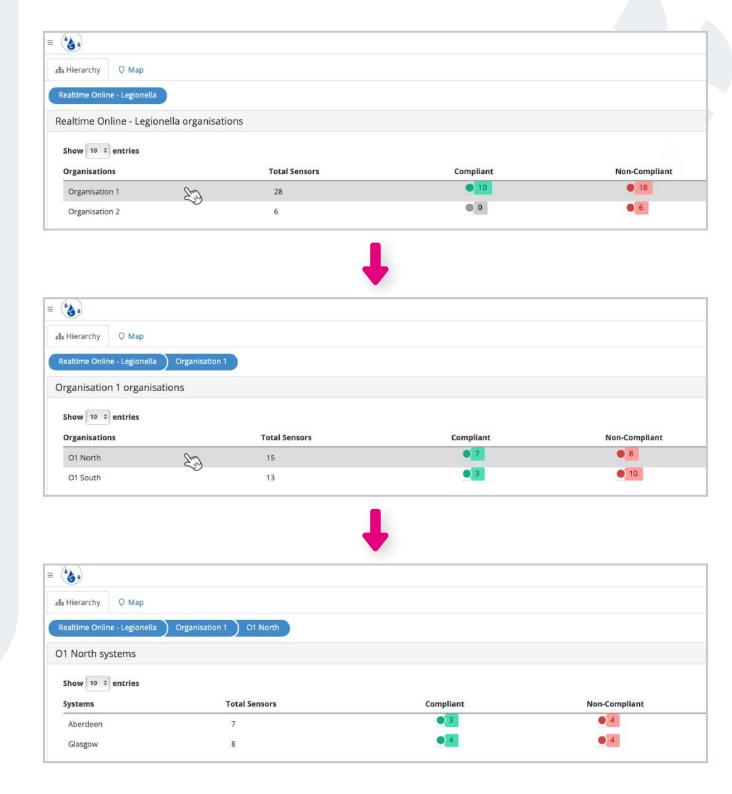


				Overview	
Sa Hierarchy O Map				📛 Legione	lla 🕴 Update
Realtime Online - Legionella					
ealtime Online - Legionella org	ganisations				
Show 10 entries				Search:	CSV Print
Organisations	Total Sensors	Compliant	Non-Compliant	Notifications	
Organisation 1	28	• 10	16	6	
Organisation 2	6	• 0	6	.0	
		Previous 1	Next		
		Showing 1 to 2 of 2	t entries		

You can dive deeper into each organisation by clicking on it.

Depending on your business, this will split the organisation into further categories, e.g. North sites and South sites.

You can then go deeper into each one by clicking on a site, then a city, etc.



When you click on the final level of the organisation tree (in this case, a city - Aberdeen), you will see an **overview of all the sensors broken down by month per year**.

The symbols on the table represent whether a sensor was compliant, non-compliant, or is still being monitored if it's the current month.

Ultranslar O Mar															
• Hierarchy 🔷 Map															
Realtime Online - Legionella 🔵	Organisat	ion 1 01 North													
1 North systems															
Show 10 + entries															
Systems		Total Sensors					Complia	nt				Nor	n-Comp	oliant	
Aberdeen	200	7					93						• 4		
Glasgow	~9	8					• 4						• 4		
rarchy Q Map					•								Legione	ella	• Update
ime Online - Legionelia ) Organisation 1	) 01 North )	Aberdeen			•								Legione	ella	
time Online - Legionella ) Organisation 1	) 01 North )	Aberdeen											Legione	ella	Update     Sensors T
time Online - Legionella ) Organisation 1 sor Overview Options	) 01 North ) †	Aberdeen Critical Path Ali		+	Update	e Table							Legione	ella	
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orne Online - Legionetta ) Organisation 1 For Overview Options or 222 Donella Sensor Overview: Aberdeen - w 10 1 entries ssor ater Storage Tank - Hot	+	Critical Path	8 i	jan ]	Feb	Mar	1	1	1	Jul !		Sep [		8	Sensors T CSV Print Dec !
orre Online - Legionetta Organisation 1 for Overview Options or 222 anella Sensor Overview: Aberdeen - w 10 0 entries ssor ater Storage Tank - Hot SI- Cleaners Room Sink Cold Tap	+	Critical Path	3 4	jan ļ	Feb !	Mar !	1	1	1	Jul   	Aug	Sep !		8	Sensors T CSV Print Dec ! !
time Online - Legionella Organisation 1 tor Overview Options r 222 onnella Sensor Overview: Aberdeen - w 10 0 entries ssor ater Storage Tank - Hot SI - Cleaners Room Sink Cold Tap SJ - Cleaners Room Sink Hot Tap	+	Critical Path	छ । जन्म हर्म	jan !	Feb !	Mar ! 0	! • •	! • •	1	Jul     	Aug ! !	Sep ! !	Oct		Sensors T CSV Print Dec ! ! !
time Cnline - Legionella Organisation 1 sor Overview Options ar 2022 conella Sensor Overview: Aberdeen - aw 10 0 entries sor fater Storage Tank - Hot ISI - Cleaners Room Sink Cold Tap ISI - Cleaners Room Sink Hot Tap ISI - Cold Water Storage Tank Cold	+	Critical Path		Jan ! •	Feb !	Mar ! •	! • •	! • •	1	jul       	Aug ! !	Sep ! !	Oct I		CSV Prim Dec ! ! !
	+	Critical Path	छ । जन्म हर्म	jan !	Feb !	Mar ! 0	! • •	! • •	1	Jul     	Aug ! !	Sep ! !	Oct		Sensors T CSV Print Dec ! ! !

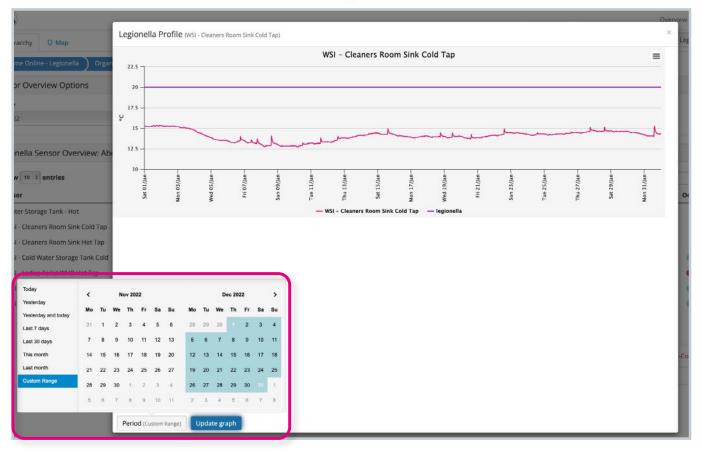
Jul	Aug	Sep	Oct	Nov	Dec
1	1	1	1	1	!
•	1	1	1	i.	1
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•		•	•	•	•
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۲	•	•	•	•	•
	- Compliant	🔴 - N	Ion-Compliant	Cur	rrent Month

Click on a symbol to view a chart of that sensor's readings.

You can adjust the time period by clicking 'Period' at the bottom of the window, selecting your desired time window, and clicking 'Update graph'.

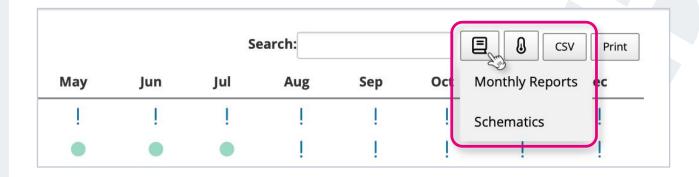


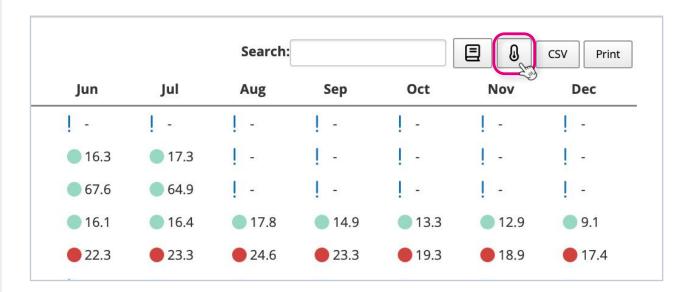


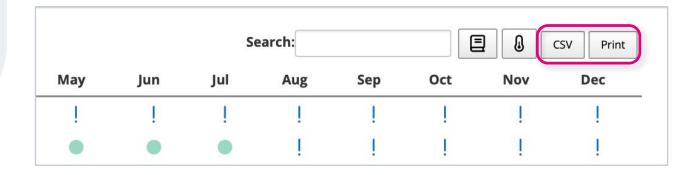


In addition to a search bar, you will also see a **set of buttons** above the table on the right-hand side:

- Click the book symbol to view the monthly reports and schematics for your sites.
- Click on the thermometer symbol to see the best readings for each sensor per month.
- You can also export to a CSV file by clicking the 'CSV' button, or print the data by clicking the 'Print' button.







To see a **map visualisation** of your sensors across all sites, **click on the 'Map' tab** at the top of the page.

You can then hover over each point on the map to see a summary of compliant and non-compliant assets for that site.

کی & Hierarchy 🗘 Map				
Realtime Online - Legionella	Organisation 1 ) 01 North )	Aberdeen		
Year		Critical Path		
2022	\$	All	\$	Upo
		•		
score e e e e e e e e e e e e e e e e e e	AND Curdee Nom Sea	Aberdeen Naim Inventess Total: 7 Aviemore SCOTLAND	×	
Gine Northern Inet and	United Kingdom of terrestrive	Fort William Oban Loch Lomond		

United Kingdom

# Notifications

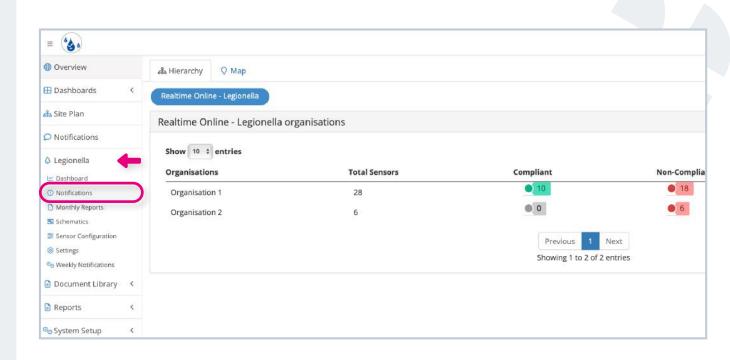
The Notifications page is where you'll be able to **view any alarms of non-compliant assets** and action them accordingly.

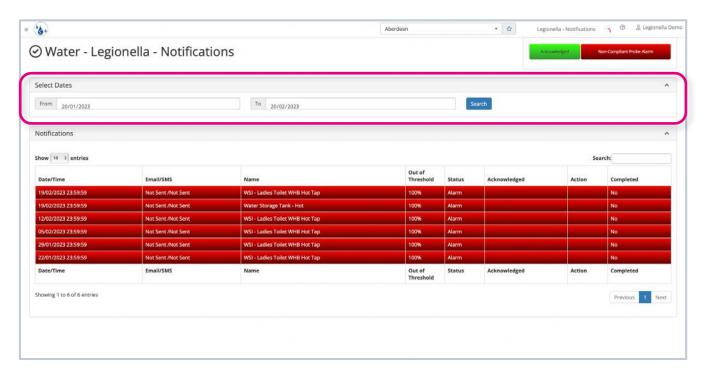
Click on 'Legionella' in the side menu, then click 'Notifications'.

#### Step 2

You will see a page displaying any alarms, with the most recent appearing at the top of the table. Unacknowledged alarms will be red.

To view alarms from a **specific time window**, change the **'From' and 'To' dates** at the top of the page.





To acknowledge a current alarm, you first need to either a) resolve the issue and return the asset back to safe levels, e.g. by flushing a tap, or b) determine that the asset is broken and notify relevant staff members.

Once you have done one of the above, click the relevant alarm on the Notifications page to acknowledge it.

A summary of the alarm will appear, along with a drop-down menu of actions to choose from and space to add comments.

·&•			Aberdeen		• 🕁 Legi	onella - Notifications	ا © Legionel
) Water - Legi	onella - Notificatio	ons			Act	nowledged	Non-Compliant Probe Alarm
elect Dates							
From 20/01/2023		70 20/02/2023		Se	arch		
otifications							
low 10 ‡ entries						Se	arch:
Date/Time	Email/SMS	Name	Out of Threshold	Status	Acknowledged	Action	Completed
9/02/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100%	Alarm			No
9/02/2023 23:59:59	Not Sent /Not Sent	Water Storage Tank - Hot	100%	Alarm			No
2/02/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100%	Alarm		<u> </u>	No
5/02/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100%	Alarm			No
9/01/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Tollet WHB Hot Tap	100%	Alarm			No
22/01/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100%	Alarm			No
Date/Time	Email/SMS	Name	Out of Threshold	Status	Acknowledged	Action	Completed
howing 1 to 6 of 6 entries							Previous 1 Nex

Notification Details	Action		
Alarm ID: 12072272	Select an action	•	
Sensor: WSI - Ladies Toilet WHB Hot Tap (6319262)	Notes		
Date: 19/02/2023 Time: 23:59:59			
View Graph Out of Threshold: 100.00%	Action Complete	A	
Status: Alarm	No	÷.	
Email Sent: Not Sent		Submit	

Choose the relevant action you have taken from the drop-down menu.

Add any notes about the action that needs to be taken.

Switch 'Action Complete' to 'Yes'. You can then add more notes about the actions you took to resolve the alarm.

Click 'Submit'.

This alarm has now been acknowledged and will appear in green on the Notifications page.

	cation Corrective Action	Aberdeen		Notifications ×
egic	Notification Details	Action		No
	Alarm ID: 12072272	Select an action	•	
	Sensor: WSI - Ladies Toilet WHB Hot Tap (6319262)	Select an action Calorifier/Water heater thermostat adjusted		
	Date: 19/02/2023	No action, incoming water temperature is above 20°C		
	Time: 23:59:59	Probe reinstated		
	View Graph	System off line awaiting repair		
	view draph	System re-checked and temperatures satisfactory		
	Out of Threshold: 100.00%	System shut down		
	Status: Alarm	Weekly System flushing implemented		
	Email Sent: Not Sent		Submit	Sear
	SMS Sent: Not Sent			

ic	Notification Details	Action	
	Alarm ID: 12072272	Weekly System flushing implemented	-
	Sensor: WSI - Ladies Toilet WHB Hot Tap	Notes	
	(6319262) Date: 19/02/2023 Time: 23:59:59	Taps to be flushed at every Monday at 3pm.	
	View Graph	Action Complete	
	Out of Threshold: 100.00% Status: Alarm	Yes	-
	Email Sent: Not Sent	Action Completed Notes	
	SMS Sent: Not Sent	Tap flushed and temperature now satisfactory.	

lotifications							
how 10 t entries						Search:	
Date/Time	Email/SMS	Name	Out of Threshold	Status	Acknowledged	Action	Completed
19/02/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100%	Alarm (OK)	20/02/2023 11:42:23 by Legionella Demo	Weekly System flushing implemented	Yes
19/02/2023 23:59:59	Not Sent /Not Sent	Water Storage Tank - Hot	100%	Alarm			No
12/02/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100%	Alarm			No
05/02/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100%	Alarm			No
29/01/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100%	Alarm			No
22/01/2023 23:59:59	Not Sent /Not Sent	WSI - Ladies Toilet WHB Hot Tap	100%	Alarm			No
Date/Time	Email/SMS	Name	Out of Threshold	Status	Acknowledged	Action	Complete

# **Document Library**



You can use the Document Library to store and access important documents, reports and certification relating to your Legionella sensors.

Click **'Document Library'** in the side menu.

Click on one of the options to view and upload documents to that category, including:

- Certificates
- Risk Assessments
- Service Reports
- Miscellaneous Files

For full details on using the Document Library, **please see our 'Document Library' guide**.

윪 Hierarchy	🛇 Мар		
< Realtime Onlin	Realtime Online - Legionella		
Realtime Or	Realtime Online - Legionella organisations		
<		Total Sensors	
	ons	Total sensors	
		28	
Organisatio	on 2	6	
)			
<			
<			
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	< <p>Realtime Onli Realtime Onli Show 10  Organisation Organisation Organisation Organisation</p>	Realtime Online - Legionella   Realtime Online - Legionella organisat   Show 10 + entries   Organisations   Organisation 1   Organisation 2	

#### If you require any additional training, please contact help@invisible-systems.com

