

EXPERT CONTRACTORS SPECIALISING IN WATER TANK  
REPAIRS, RELINES AND REPLACEMENTS



# COLD WATER STORAGE

[WWW.COLDWATERSTORAGE.CO.UK](http://WWW.COLDWATERSTORAGE.CO.UK)

# EXCEPTIONAL SERVICE DELIVERY

**We have extensive experience in the management and delivery of water tank solutions. We have a reputation among our customers for being highly skilled, honest and value for money.**

Our professional team is fully qualified in completing high standard projects for the following types of tanks:

- Galvanised Steel
- Braithwaite Sectional Steel
- Glass Reinforced Plastic (GRP)
- Concrete
- Cooling Towers
- Sprinkler/ Fire Fighting

***We work nationwide and across a huge variety of industries***

Following a comprehensive survey of the site and tank we provide you with our recommendations. Depending on a number of factors this may be a repair and refurbish or a new water tank installation.

***Cold Water Storage has the knowledge and expertise to deliver either of these options***



**CONTACT US TODAY FOR A QUOTE  
INFO@COLDWATERSTORAGE.CO.UK  
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**USING SPECIALIST KNOWLEDGE, WE DELIVER THE RIGHT SOLUTION EVERY TIME, ENSURING A POSITIVE EXPERIENCE FOR OUR CLIENT**

" I contacted Cold Water Storage about an issue with one of our high end clients. The GRP tank was beyond our repair, I explained the issue over the phone and CWS provided me an affordable quote in a very reactive time. The engineers on site completed the job in a very professional manor along with a report showing the step by step process. I have a lot of time for their team and look forward to working with them again. "

JAMIE GREEN: NANT UK

# WATER TANK REPAIR AND RELINE

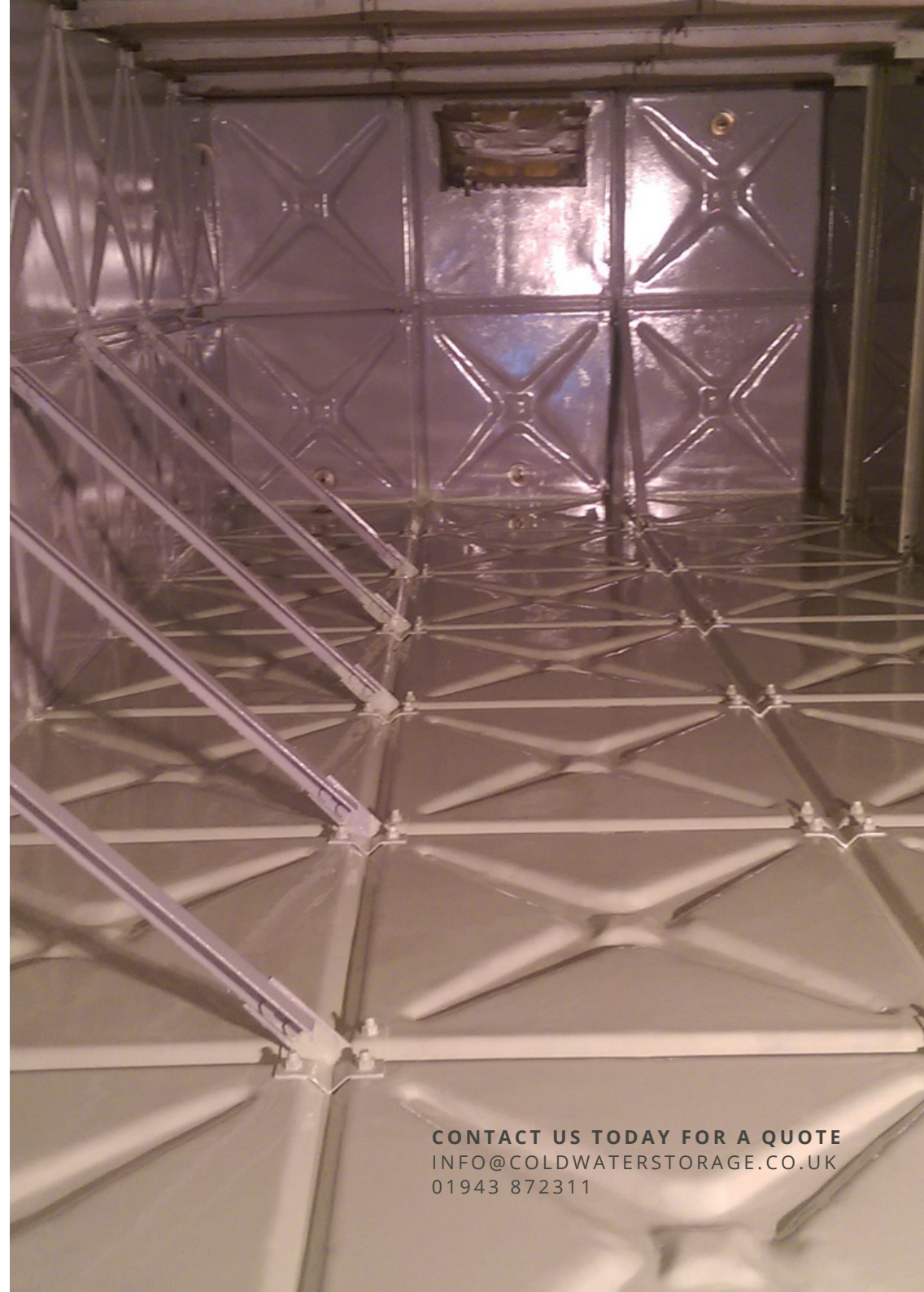
**Our robust and reliable tank repair and reline service is based on over 20 years experience. Our solution addresses issues such as corroding internal surfaces, non compliance, water tank leaks and bacterial growth.**

CWS specialise in three types of lining systems:

- WRAS and DWI approved spray applied Polyurea
- WRAS approved Polyurethane
- Butyl and EPDM

The lining systems we install are specifically designed to prolong and guarantee the life of the water tank. They are flexible and provide excellent protection against erosion, corrosion and leaks.

***All of our lining systems are guaranteed for a minimum of 10 years***



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AN EXAMPLE OF OUR SPRAY APPLIED POLYUREA,  
INSTALLED IN A LARGE STEEL BRAITHWAITE TANK IN A  
HOSPITAL IN YORKSHIRE

# GRP TANK INSTALLATIONS

**If a tank repair is not possible or feasible, or your preference is a water tank replacement we can also plan and deliver this solution. We supply and install tanks which are built from WRAS approved sectional GRP panels approved for potable water storage. All tanks are manufactured to the highest standard in the UK.**

To limit any downtime and to ensure continuity of water supply, we have a reliable way of providing temporary water systems. We can install a temporary mains bypass or a temporary tanked system ahead of the tank replacement process or any tank remedial works to ensure a continuous water supply throughout the duration of the works.

From the moment we start working with you we are dedicated to the accurate assessment, planning and delivery of the project. We have a very efficient turnaround and are accurate with the estimation of the length of project.



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AN EXAMPLE OF A 8X5X2 METRE GRP WATER TANK REPLACEMENT CARRIED OUT AT A SECURE FACILITY IN THE UK



**USING SPECIALIST KNOWLEDGE, WE DELIVER THE RIGHT SOLUTION EVERY TIME, ENSURING A POSITIVE EXPERIENCE FOR OUR CLIENT**

We have used Cold Water Storage quite a few times and they have always done a good job, we have used them for tank relines, replacements and external tank roof sealing. We will be looking to use them in the future and our clients are also happy with the quality of work they carry out.

**IAIN LAWSON: CALEDONIAN HEATING AND PLUMBING**



# GRP WATER TANKS

Hot press GRP sectional water storage tanks are designed and manufactured to BSEN 13280 standards and carry WRAS approval for potable water storage. All panels are fully tested to resist pressures in excess of six times their working pressure.

## Benefits

- built to almost any size
- integrated insulation
- WRAS approved panels and fixtures
- easy to maintain, service and repair.

Over time GRP tanks may require some additional remedial work. CWS can carry out a range of services to prolong the life of the tank including:

- panel replacement
- leak repair
- replacement of fixtures and fittings
- installation of lining system (guaranteed for 10 years).



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# GALVANISED STEEL

**Single moulded galvanised steel water tanks were installed in the UK during periods when there was no legislation in place for water treatment and legionella. With a long life span and bespoke sizes, this type of tank is still found in high numbers in service around the UK - usually located in roof voids.**

They are susceptible to corrosion due to poor protective coatings and are vulnerable to bacteria growth such as legionella. If the tank is storing domestic water it is crucial that the tank is brought up to the standards set out by the HSE.

CWS have extensive experience carrying out remedial works, replacements and installing WRAS approved lining systems to single moulded galvanised steel tanks.

In many cases the lining system is the preferred option due to sustainability, location of the tanks and general disruption to the site. In this instance CWS have a robust process in place.

Where the preference is a replacement, CWS can deliver this option. In most cases we can bypass the water tank in place, cut the tanks down into small manageable pieces and remove from site. We can then build a new WRAS approved GRP water tank in its place.

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AN EXAMPLE OF A  
GALVANISED STEEL  
WATER TANK WHICH  
WAS PREPARED AND  
RELINED WITH WRAS  
APPROVED  
POLYURETHANE



# SECTIONAL STEEL

**Sectional Steel water tanks came into service in the 1900's in the UK. Manufactured from mild steel using the hot press process. The panels are manufactured in 1m<sup>2</sup> and 1.22m<sup>2</sup> (4ft<sup>2</sup>) modules and bolted together on site using a WRAS approved sealant. If maintained these types of tanks have a very long lifespan.**

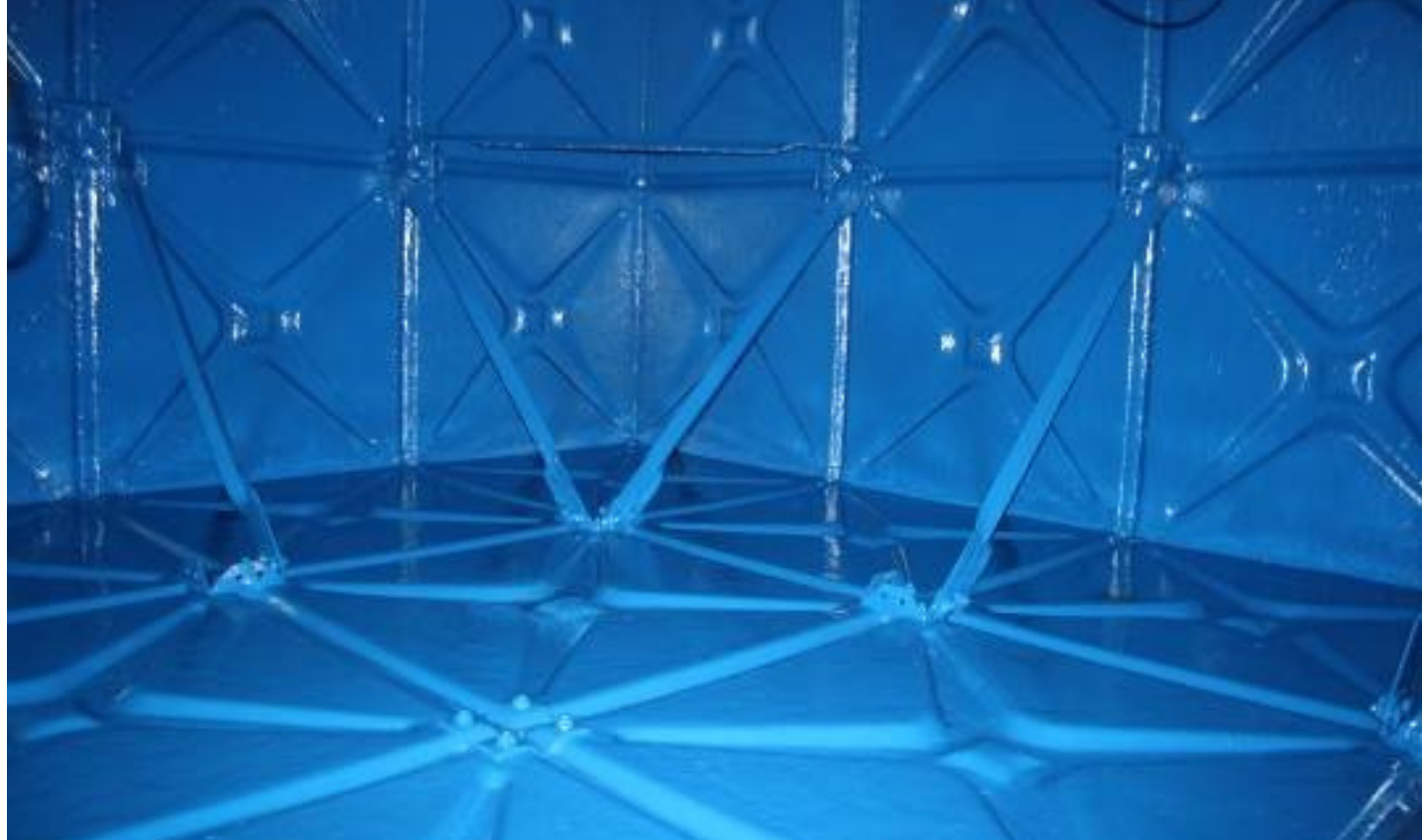
Without a protective internal coating corrosion inside these tanks can cause non compliancy. These tanks can either be replaced or relined in order to achieve compliance.

CWS has extensive experience in replacing and relining these structures and we can offer both options.

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AN EXAMPLE OF A  
SECTIONAL STEEL  
BRAITHWAITE WATER  
TANK WHICH WAS  
PREPARED AND  
RELINED WITH WRAS  
APPROVED  
POLYURETHANE



# CONCRETE TANKS

**Concrete is a strong material but without an internal protective coating, erosion can occur, rendering the surfaces pitted and cracked. Over time this can become a breeding ground for Legionella and other waterborne bacteria. If the water stored in the concrete tank is acidic, it can leach the calcium carbonate from the concrete into the water, resulting in hard water.**

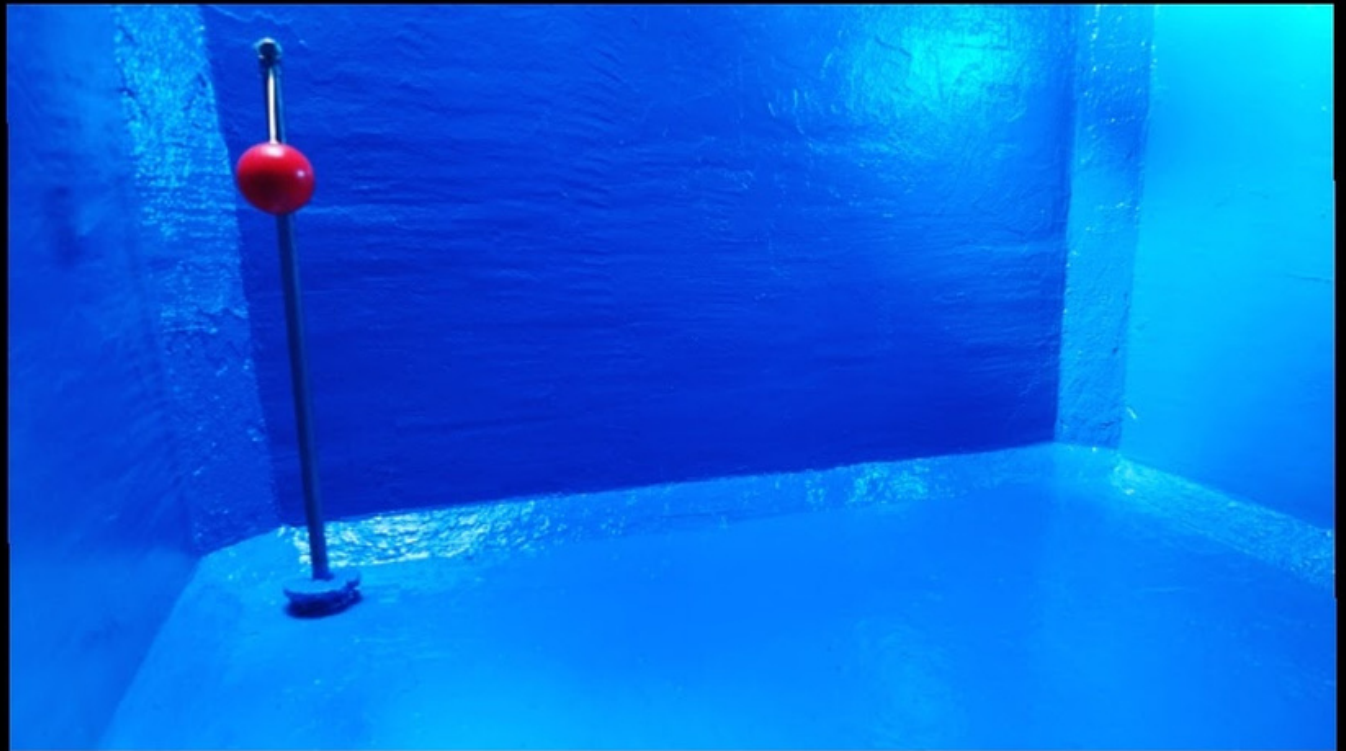
CWS has a professional team of coating engineers who have the knowledge and experience to refurbish your problematic concrete water tank. We provide a quality, sustainable, long term solution which prevents these issues from happening again in the future. Our robust preparation technique combined with our WRAS approved coating will protect your concrete tank from erosion and deterioration and bring it up to HSE standards.

Visit our website for recent case studies  
[www.coldwaterstorage.co.uk/case-studies](http://www.coldwaterstorage.co.uk/case-studies)



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AN EXAMPLE OF A  
CONCRETE WATER  
TANK WHICH CWS  
PREPARED AND  
RELINED WITH WRAS  
APPROVED  
POLYURETHANE



# COOLING TOWERS

**A cooling tower is used to cool water by direct contact between the water and a stream of air. The surfaces of these units are prone to deterioration usually due the original coating delaminating and breaking down. As a result, the surfaces can develop poor chemical resistance and start leaking. If left untreated cooling towers can develop sludge and scale which can lead to bacteria growth and legionnaires disease.**

CWS has a great deal of experience working on cooling tower repair projects. Our expertise and knowledge means that our clients often get a more reliable and accurate quote and project plan; we can often foresee issues and challenges and take the necessary steps to ensure the project is a success.

We start with a thorough preparation using specialist mechanical equipment, and experienced operatives. Once the surface is ready and surface repairs have been carried out, we begin the application of our WRAS approved coating system. We apply this in a specific way to ensure a robust and reliable coverage.

Visit our website for examples of previous cooling tower repair projects.



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# FIRE SPRINKLER TANKS

**UK law requires sites to have a safe, compliant and reliable water storage tank supplying the fire sprinkler system. The LPC Rules for Automatic Sprinkler Installations 2015 incorporating BS EN12845 guidelines recommend that fire sprinkler tanks must be internally surveyed every 10 years to assess the condition they are in and whether remedial actions are required.**

If the tank walls have any visible corrosion it can progress quickly and lead to a number of risks such as leaks, water damage and waterborne bacteria such as Legionella.

CWS offers three types of lining systems for fire fighting water tanks:

- WRAS and DWU approved spray applied Polyurea
- WRAS approved Polyurethane
- Butyl and EPDM.

We also offer a full replacement service if this is the preferred option. The tanks we install are designed in accordance with best practice and technical information relating to corrosion protection and design considerations.



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# SPRAY APPLIED POLYUREA COATING



"Our 20 year experience in the water industry gave us the desire to find a new and innovative approach to protecting water retaining structures. We wanted a superior product to what was currently being used across the industry - one which exceeded expectation and was rigorously tested to ensure longevity, protection and speed of application."

**Chris Baldwin - Managing Director**



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# SPRAY APPLIED POLYUREA COATING

We are an approved supplier of Line X which excels in extremely high spec Polyurea coating systems:

## ADVANTAGES

- Touch dry in seconds – fast return to service
- Forms a watertight/airtight seamless membrane
- Resists most common chemicals
- Prevents rust, corrosion and other forms of deterioration
- Abrasion/chemically resistant
- Waterproof
- Quick application
- Extended life

We have several mobile teams who can travel anywhere in the country to perform onsite projects as well as having an industrial unit where customers can bring trucks and vans to be sprayed by our highly trained team.

Our specialist tank division are certified shot blasters, high risk confined space entrants and spray applicators who are hugely experienced on all types of liquid containment tanks. We use the highest spec equipment and materials available to ensure your system has a fast turnaround, saving you money.



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# INSTALLATION OF ACCESS HATCHES

## GRP CWST

Installing retro fitted manways allows safer and easier access to your water tanks for maintenance and regular cleaning.

We order a bespoke low level access panel, and when on site we remove the panel in situ and replace with the access panel. This is water tight and we can line the inside with a WRAS approved coating for additional integrity.

This option provides a safe access to the CWST and allows for a safer escape plan for confined spaces.



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# INSTALLATION OF ACCESS HATCHES

## STEEL CWST

Installing retro fitted manways allows safer and easier access to your water tanks for maintenance and regular cleaning.

We fabricate a flanged steel manway assembly off site and then when on site, cut into a low level panel of the CWST. We then weld the access manway into the correct position. This is water tight and we can line the inside with a WRAS approved coating for additional integrity.

This option provides a safe access to the CWST and allows for a safer escape plan for confined spaces.



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# WATER MANAGEMENT SERVICES

We also offer a full Legionella Management package to ensure you remain compliant with legislation.

**Our services include:**

- Legionella consultancy
- Legionella training
- In depth legionella risk assessments on water systems throughout all types of buildings
- Management contracts that cover regular monitoring of water systems
- UKAS accredited laboratory water samples
- Clean and disinfection on cold water storage tanks and mains water system
- Monitoring and temperature testing to all water systems



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# GET IN TOUCH TODAY

Our experienced and friendly team is ready to discuss your requirements and provide a quote.

Phone us today on 01943 872311 or email one of our sales team on [info@coldwaterstorage.co.uk](mailto:info@coldwaterstorage.co.uk)

We have a number of platforms where we regularly share progress and updates on the projects we're working on. Follow us on twitter, LinkedIn, Instagram and YouTube.

*[@coldwaterstorage](https://www.instagram.com/coldwaterstorage)*

"Cold Water Storage has carried out several jobs for me in the last couple of years and I have to say their professionalism and attitude is absolutely superb. I will always use them in the future."

TIM CUTHBERT: TC ENGINEERING



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