

# CSA



COMMISSIONING  
SPECIALISTS  
ASSOCIATION

## Index

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## CHAIRMAN'S SAY

It's been a good few months for the CSA. Our decision to revamp the Commissioning Management training course to include some more technical and 'how to' elements has paid off and it's getting rather good reviews. Alongside that we now have the three Water Treatment DLCs fully operational and more advanced material is on the way. Not to forget the 'Hands On' aspects of commissioning, those DLCs are in the process of being updated and refreshed with better quality diagrams, more up to date illustrations and common formatting and styles.

We also have plans for a short course to inform non-commissioning people about the importance of commissioning and commissioning management. It will be aimed at main contractors, designers and developers. If you think you know some people that would benefit from something like that let us know. For instance, you may have a project where the main project team don't really understand the whys and wherefores of what commissioning is. We can come along and educate them. Worth a thought?

As you can read elsewhere, the Engineers' Compendium is also being reviewed and updated. I must admit I got a shock when I realised that it is 10 years since the last update.

Of course, even though we have Neil (CEO) and Tony (CTO) on board and our on-the-ball office team of Jo, Kate and now Kayleigh, none of this would be possible without Members giving up their time and using their knowledge and expertise to help with these tasks. We are always grateful for their efforts. Mind you, we can still use more volunteers. We would especially like some of the younger Members who actively work out on site to give us the benefit of their experience to ensure we provide the industry with the latest information. Is that you? Do please contact the office if you can help.

Last year's CSA Awards was the best yet. However, this year's event will, for the first time, include awards for the water treatment side of our industry. Obviously, that means it will be bigger than ever; that gave us a problem. Last year's venue was stretched to accommodate us all and there was no way it could handle more people. Our new venue is certainly bigger, but is also a bit grander as well. I trust that we will see you there on the 2nd of October – The Park Plaza London Riverbank on the Albert Embankment. Put it in the diary, now...

Have you got your entry in yet? If not, have you started planning it yet? No, WHY NOT? I always find it odd that, for an industry that complains an awful lot about unrealistic programs, Members never seem to be able to schedule enough time to get their entries in. Just remember, to borrow a phrase from the National Lottery, **you have to be in it to win it**. Please don't moan about the same people winning every year when you didn't bother to enter.

Mind you, we always get some entries that are bound to fail. That is simply because they don't bother to read the entry form properly. The result is that they don't provide the information we ask for – not likely to impress the judges, is it? Check out the entry forms on the CSA Awards website <https://www.csa-awards.co.uk>.

You should also be aware that bigger isn't always better. There was an entry for Project of the Year a couple of years ago that comprised simply of a new entrance to a rail station. Not much in the scheme of things? It made the finals because it was well executed, on time, on budget and completed whilst keeping the station operational. Got something similar? Your turn!

**Keith Barker** – CSA Chairman



## NEIL BURDESS CEO

As we move into the warmer months, I hope you're all managing to enjoy some sunshine – and if you haven't already, make sure to get your entries in for the biggest CSA Awards to date!

One of the highlights of my year so far was an insightful technical visit to *Cimberio Valves*, kindly organised by one of our associate members, Albion Valves UK. Alongside a group of technical professionals, I had the privilege of witnessing first-hand how commissioning valves and stations are manufactured – and, quite astonishingly, how much of this process is now handled by robots!

From the precise milling of valve components, including the humble ball valve, to the advanced production and QA testing of commissioning stations, it was a fascinating experience. The factory's energy-efficient practices and commitment to recycling also impressed us all, showcasing just how seriously sustainability is being taken. Of particular interest was their soon-to-be-launched *energy valve*, which has the potential to redefine the way we approach system balancing in the future.

Turning to CSA developments, I'm pleased to report continued positive feedback on the delivery of our **Commissioning Management Core Concepts** course. The training has been well-received across the board, and we are actively refining both the materials and our delivery methods to enhance the learning experience further. For those unaware, we can also provide in-person sessions tailored to individual companies, and we're planning regional sessions in Scotland, the Midlands, and London – so watch this space.

While the development of the **Advanced CxM** course has seen slower progress due to current resource constraints and our focus on Core Concepts, we remain on track to complete it by **October 2025**.

In terms of our **Distance Learning Courses (DLCs)**, we've made great strides:

- **Commissioning DLC-A** has been fully refreshed with updated visuals, schematics, and technical content, along with revised student exercises and model answers. The Training Committee will now shift its attention to **DLC-B**.
- The full **Water Treatment DLC series (Parts A, B & C)** is now live, and **WT Exams for Grades 1, 2 & 3** are also available via BESA. We're on course to launch **Grade 4 in June**, with **Grade 5 (Thesis)** scheduled to go live toward the end of the month.

Meanwhile, our **Technical Committee** has completed its "Back to Basics" review of Compendium **Chapter 2: Water Systems**, and is now turning its focus to **Chapter 1: Air Systems**.

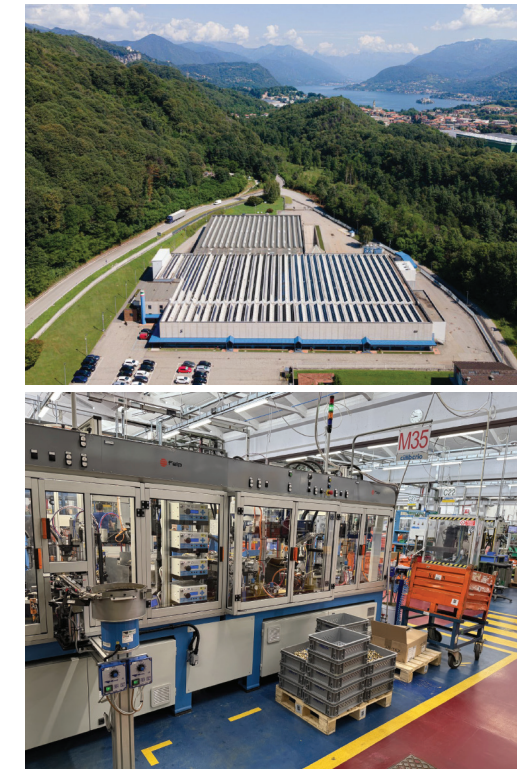
On that note, we continue to welcome new active members for both the Technical and Training Sub-Committees. We are especially keen to hear from Grade 3 or 4 engineers currently working on-site with up-to-date knowledge of the latest commissioning technologies. If you're interested in shaping the future of our profession, do get in touch.

Looking ahead, some exciting projects are underway:

- CSA Standardised Specifications are in development.
- A Commissioning Grade 4 (Workshop) Refresher Course is planned for later this year.
- In terms of collaboration, we continue to work with other leading industry bodies:
- With **CIBSE**, we're supporting the development of Code W and engaging in early discussions around IST testing and Specialist Systems.
- With **BSRIA**, we are on the steering group for BG89: Chemical-Free Water Treatment.

Through **Actuate UK**, we remain active contributors to the Fire Damper Group as part of the Transactable Buildings initiative.

As always, thank you for your ongoing support. Have a great summer, and I hope to see many of you at the CSA Awards – it promises to be a fantastic evening celebrating the very best in our industry.



**Neil Burdess** – CSA CEO



# A New Way to Track Cx Progress

## Enhancing Commissioning Tracking with Milestones

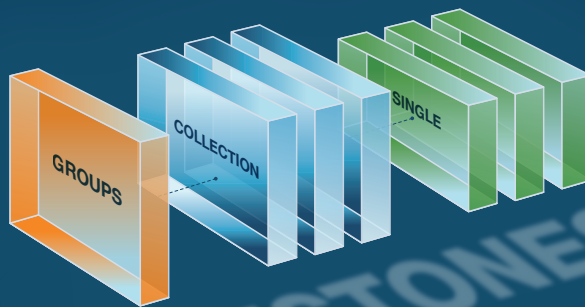
The **CxAlloy Milestones feature** marks a paradigm shift in commissioning progress tracking, blending automated data integration with flexible goal-setting capabilities. This incorporates user feedback, expands customization options, and introduces new enterprise-grade functionality. Notable developments include:

- ▶ **Milestone tracking infrastructure**
- ▶ **Advanced rule engine**
- ▶ **Reusable templates**
- ▶ **Integrated milestone reporting**

These features have been designed to address the complex needs of modern commissioning teams.

## Milestone Tracking Infrastructure

CxAlloy's Milestones feature is built on a three-tiered structure that reflects the complexity of real-world commissioning workflows while maintaining operational clarity. At the top level, **Milestone Groups** serve as containers for related tracking objectives, making them particularly useful for phased projects or multi-building campuses. Within each group, **Milestone Collections** defines which items you are going to track, acting as dynamic filters



that update automatically as project data changes. At the most granular level, **Individual Milestones** represent atomic tracking units within collections, each with customizable completion criteria.

This hierarchical structure allows teams to monitor progress at multiple levels of granularity. Users can easily track overall mechanical system progress while drilling down to specific equipment statuses, all through intuitive navigation.

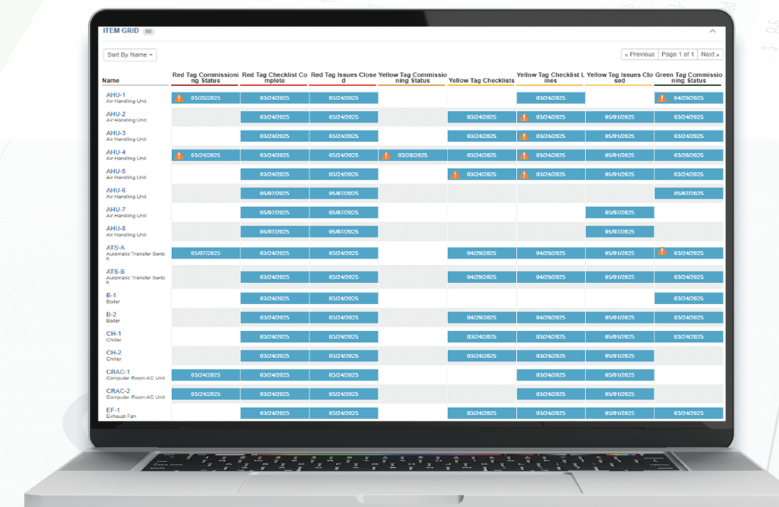
## Reusable Templates

The **Preset Template** feature in CxAlloy Milestones streamlines project setup by turning common tracking configurations into reusable templates. The **Standard Template Library** includes ready-made presets for tasks like system startups, safety certifications, and LEED tracking. Teams can also create **Custom Templates** to capture institutional knowledge and ensure consistency across projects. These templates are easily deployable, support project-specific tweaks, and include version control to manage updates without disrupting active projects.

## Advanced Rule Engine

The Milestones rules engine supports sophisticated completion scenarios through five configurable parameters:

- ▶ **Nested and Filtered Completion Criteria:** For tracking progress based on related items, users can define criteria that considers linked/associated/related/child items. This allows you to apply rules to evaluate items further down the relationship chain.
- ▶ **Threshold Configuration:** Users can define completion requirements in three ways: as absolute counts, percentages, or universal compliance—thus allowing for flexible commissioning approaches—from full checks to sampling.
- ▶ **Null State Handling:** Custom rules manage cases with no matching items. Teams can decide if empty results count as done (useful for punch lists) or not done (important for safety-critical checks).
- ▶ **Deferred Evaluation:** Milestones can be linked using time-based logic, so their evaluation is delayed until earlier milestones are done or certain dates are reached.
- ▶ **Manual Completion Verification:** Milestones support manual completion entries for items tracked outside CxAlloy, enabling teams to include external progress while still using the platform's milestone tracking features.



## Integrated Milestone Reporting

The Milestones reporting module bridges digital tracking with traditional documentation needs. **Dynamic PDF Generation** allows users to create configurable reports that combine time-series progress charts, filtered equipment lists, annotated exception reports, and executive summary narratives. **Excel Interoperability** supports both exporting milestone statuses to familiar spreadsheet formats.







# TONY ANDERSON

## CHIEF TECHNICAL OFFICER

THE DEDICATION AND HARD WORK OF OUR TEAM ARE YIELDING RESULTS, WITH KEY CSA PROJECTS NOW AVAILABLE OR NEARING COMPLETION

### CAREER AND DEVELOPMENT HANDBOOK REVISED FOR 2025

The latest version of the handbook has been revised to include:

- Guidance on taking the exams – to improve the awareness of what is and not allowed in the exam this is fully detailed in Sections 3.5 & 4.1.
- Pathway of Development Updates
- **Core Concept updates within PoD**

[https://www.csa.org.uk/Commissioning\\_Specialists\\_Association/file/PDF/Training\\_and\\_Career\\_Development\\_Handbook.pdf](https://www.csa.org.uk/Commissioning_Specialists_Association/file/PDF/Training_and_Career_Development_Handbook.pdf)

### Commissioning Management Core Concepts Course

Designed specifically for Commissioning Managers, this course aligns fully with CIBSE CCM Commissioning Code M: Commissioning Management.

We have delivered 4 full training courses, and the feedback has been incredibly positive.

If you are looking to book your place onto the next available course, please contact [office@csa.org.uk](mailto:office@csa.org.uk)

### Water Treatment Developments

Under the leadership of Roger Carlin and his team, significant advancements have been made in Water Treatment coursework:

- DLC C has now been released

We extend our thanks to Roger and the entire Water Treatment team for their dedication and hard work, bringing much needed training material to the industry

### Industry Collaborations: CIBSE, BSRIA & BESA

Our collaborative efforts continue to make progress:

- The updated CIBSE CCW Commissioning Code W: Water Distribution Systems has successfully passed its final peer review and is expected to be published in June 2025.
- Our partnership with BESA has led to the development of the Water Treatment DLC A B & C Tests with all tests now live. Water Treatment Grade 4 is t final trail stage and is expected to be available by end of May.

### Final Words

We are always on the look-out for active members to join our various sub-committees, to have your say and contribute to ongoing and upcoming projects. If you are interested, please contact [office@csa.org.uk](mailto:office@csa.org.uk) and we will advise accordingly!

# TECHNICAL ARTICLE

## CHEMICAL-FREE WATER TREATMENT

### A CHANGING TIDE IN THE UK BY STEPHEN PRING, BUSINESS DEVELOPMENT MANAGER ELEXION WATER TREATMENT LTD

Across the UK's built environment, sustainability is no longer just a buzzword – it's a legislative and operational imperative. Whilst the journey towards net zero encompasses a multitude of strategies, one emerging area gaining increased attention is chemical-free water treatment for closed-loop heating and cooling systems. Long established in the DACH (Germany, Austria, Switzerland) and Nordic regions of Europe, this approach is now beginning to gain traction within the UK – and for good reason.

Buildings account for 40% of global energy use, with heating and cooling systems making-up half of that demand. As the UK pushes towards net zero, improving the efficiency of these systems is critical – and water treatment plays a major role.

### Understanding the Context

Closed-loop hydronic systems, more commonly referred to as Low Temperature Hot Water (LTHW) and Chilled Water (CHW) systems, use water – the universal solvent – as the heat transfer medium. With a high specific heat capacity and relative abundance, water is ideal for this purpose. However, its chemical nature also presents challenges. Left untreated, systems face scale formation, corrosion and microbiological fouling – all of which reduce energy efficiency and system lifespan.

Traditional water treatment strategies involve the use of chemical inhibitors and biocides to combat these issues. However, with increasing scrutiny under UK REACH regulations – and a greater emphasis on reducing substances of very high concern (SVHCs) – the industry is beginning to look beyond chemicals.

### A Shift in Perspective

Driven by environmental regulation and corporate sustainability targets, the building services sector is seeking alternative, lower-impact water treatment methods. BSRIA is currently developing guidance specifically for the UK with regard to chemical-free water treatment. Until its release – scheduled for later this year – many providers across the supply chain are referring to VDI 2035, a respected German standard which outlines a non-chemical treatment philosophy for the protection of closed heating systems.

VDI 2035 focuses not on chemical inputs but on outcome-based water engineering. Its strategy is predicated on the control of three parameters:

**pH**  
[8.2-9.0 (with Al), 8.2-10.0 (without Al)]

Achieved through the production of magnesium hydroxide, a natural by-product of the oxygen reduction process.

**Electrical Conductivity**  
[10-100  $\mu\text{S}/\text{cm}$  (low saline), 100-1,500  $\mu\text{S}/\text{cm}$  (saline)]

Achieved by using demineralised fill-water, reducing incoming dissolved salts by ~80% compared to standard UK tap water.

**Dissolved Oxygen**  
[<0.1 mg/l (low saline), <0.02 mg/l (saline)]

Limits corrosion without the addition of chemical inhibitors.

By monitoring and managing these parameters, VDI 2035 provides a framework to mitigate corrosion, limit scale and inhibit microbiological activity – without adding traditional treatment chemicals (inhibitors and biocides) to the system.

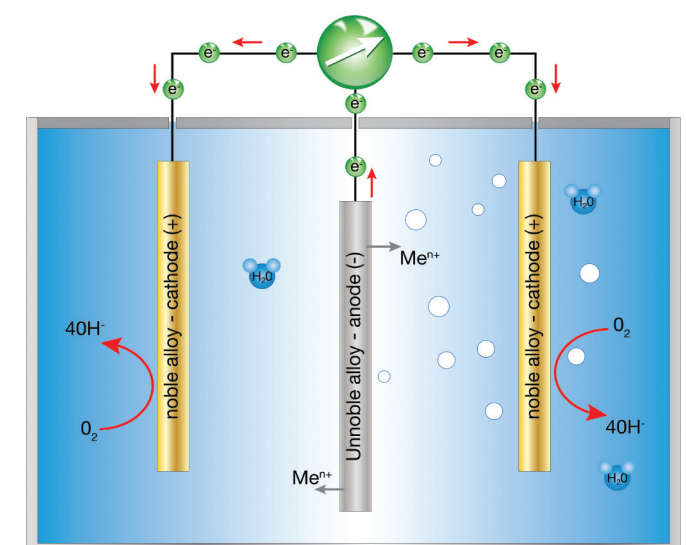
### The Science Behind Chemical-Free

At the heart of this treatment philosophy is the use of demineralised fill-water and electrochemical reaction tanks. Here's how it works:

### Demineralisation

Fill-water is processed through a mixed-bed ion-exchange unit, stripping out dissolved salts and reducing conductivity to <100  $\mu\text{S}/\text{cm}$ . This not only minimises scale potential, but also reduces corrosion kinetics and starves bacteria of key nutrients such as nitrite and sulphate.

### Electrochemical Treatment



A stainless steel reaction tank, typically installed in a side-stream configuration, contains a magnesium anode. As magnesium reacts with dissolved oxygen, it forms magnesium hydroxide, which naturally elevates the system



# TECHNICAL ARTICLE

## CHEMICAL-FREE WATER TREATMENT

water pH into the protective range. The process is self-limiting and adapts in real time to changes in water quality. This method replicates the classic corrosion cell, but in a controlled manner allowing oxygen to be safely neutralised (reduced) without harming the system metallurgy.

### Microbiological Considerations

One often-overlooked advantage of chemical-free treatment is its microbiological efficacy. By removing nutrients such as nitrite and sulphate (via demineralisation), we limit the food sources for Nitrite Reducing Bacteria (NRBs) and Sulphate Reducing Bacteria (SRBs). These anaerobes can destabilise the system water pH and – if left unchecked – accelerate corrosion. In this context, prevention really is better than cure.

### Implementation in Practice

Chemical-free systems typically involve two key components:

#### Filling/Conditioning Station

A permanent or mobile demineralisation unit which treats the incoming make-up water and/or conditions the existing system water quality (side-stream installation).

#### Reaction Tank

A stainless steel vessel – containing the magnesium anode – installed in permanent side-stream configuration. One tank is usually sufficient, although larger or more complex systems may require multiple units.

Retrofitting legacy systems is entirely feasible. Temporary installations can operate in a side-stream capacity, gradually improving water quality over time without the need to drain or shut down the system – all whilst avoiding the need to apply for a Trade Effluent Consent (TEC) which is required when disposing of chemically treated water.

Heritage systems, often sensitive to the dispersants and surfactants found in many chemical inhibitors, are particularly well-suited to this approach. Here, careful water conditioning offers a gentler alternative to chemical intervention.

### The UK Position

Whilst VDI 2035 is widely referenced by suppliers today, we look forward to the upcoming release of the BSRIA guidance tailored to UK systems and regulations. This development reflects growing recognition that chemical-free is not only viable – but that it is a responsible, performance-based approach aligned with the UK's wider environmental goals:

#### Energy Savings

Clean systems run up to 10% more efficiently.

#### No Harmful Chemicals

Complies with ever-tightening environmental regulations.

#### Long-term Protection

Prevents scale and corrosion without constant chemical top-ups.

The approach is already mandatory in some EU countries and aligns with the UK's Building Regulations 2010, which requires the treatment of heating systems to prevent limescale and corrosion.

### Final Thoughts

Chemical-free water treatment is not a panacea, nor should it be implemented without understanding its basic principles and wider system compatibility. However, for engineers seeking efficient, compliant and sustainable alternatives to traditional water treatment – it represents a significant shift in thinking.

With building heating costs representing 80% of total HVAC energy consumption, improving water treatment is a simple win for net zero. VDI 2035 offers a proven, sustainable and future-proof alternative. The philosophy represents a paradigm shift in what we thought we knew. For some this will be a challenge, for others an opportunity. If your organisation is serious about energy efficiency, asset longevity and environmental stewardship – then the time to explore this approach is now.

The future may be less about water treatment and more about engineered water.

### Contact Details:

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Business Development Manager  
[stephen.pring@elexion.uk](mailto:stephen.pring@elexion.uk)



**eleXion**

Fill Clean Protect

**T: 01256 678 268**  
**E: [info@elexion.uk](mailto:info@elexion.uk) W: [elexion.uk](http://elexion.uk)**

**VDI 2035 COMPLIANT**

**Elexion Water Treatment Ltd**  
Unit 3, The Glenmore Centre, Fancy Road, Poole BH12 4FB

**Stephen Pring** – Elexion Water Treatment Ltd

CELEBRATE YOUR ACHIEVEMENTS • YOUR TEAM • YOUR BUSINESS • YOUR INDUSTRY



COMMISSIONING  
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Gala Awards  
2025

START YOUR  
NOMINATION  
TODAY!

# Recognising and Rewarding Commissioning Excellence

Following the huge success of last year's 'sell-out' awards ceremony, 2025 will again see the commissioning sector come together in celebrating the wonderful achievements of businesses large and small. Retaining its London location, the gala dinner will be held at the Park Plaza Riverbank Hotel, Albert Embankment, on the evening of Thursday, 2nd October.

And this year, in addition to the established categories, we will also be acknowledging achievements within the important area of water treatment, bringing yet further depth to this prestigious awards programme.

So, if you or your company have something to shout about, these awards provide the perfect platform to get your accomplishments acknowledged, rewarded and celebrated.

### Event Partners

Ashford

BSRIA

CHESTERFIELD  
WT CONSULTANTS LTD  
INDEPENDENT WATER TREATMENT ADVICE

CORE EMIRATES

CSA COMMISSIONING  
SPECIALISTS  
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CSI COMPASS

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GET IN. GET DONE. GET HOME.

EndSystems

HDR

IWTM  
water by design

MBS  
MODERN BUILDING SERVICES

MEDIACONTROL

RED  
A company of CQNGIG  
IMPACT

WTP  
SPECIALITY CHEMICALS

### New for 2025

- Water Treatment: Provider of the Year
- Water Treatment: Project of the Year
- Water Treatment: Engineer of the Year

The online entry forms are now live and available for completion at [www.csa-awards.co.uk](http://www.csa-awards.co.uk). So what have you got to lose, submit an entry form and if selected as a 2025 Finalist by the Judging Panel, enjoy some fantastic publicity as we countdown to the Gala Awards Ceremony on the 2<sup>nd</sup> October.

[www.csa-awards.co.uk](http://www.csa-awards.co.uk)

Organised by **Touchwave** on behalf of **CSA COMMISSIONING SPECIALISTS ASSOCIATION**



# FACTORY ACCEPTANCE TEST

## ANACHRONISM OR NECESSARY EVIL?

In the world of building services equipment, the factory acceptance test (F.A.T) for major items of equipment has long been a staple of the pre-installation phase of a project. Many an hour has been spent by numerous people standing in a drafty factory while the equipment manufacturer strives to prove that its latest, new-fangled bit of kit can meet the consultant engineer's specification – a specification that all too often has been cut and pasted from a mishmash of the last twenty projects and bears little or no relationship to the employer's requirements.

Let's be honest. Such tests may well have been insisted on merely to justify another jolly at someone else's expense. Many readers of this article will be able to regale their colleagues with tales of daring do and epic bar sessions in back-of-beyond hotels. And that's not to mention the almost inevitable travel 'adventures' that such escapades involve.

So, yes! Those sorts of factory acceptance test would seem to have little or no place in today's smart, energy and cost-conscious construction industry.

But wait. That can't be the whole story, surely? Well, no, it isn't. Yes, it is important to understand the basis on which the equipment has been selected. Yes, there is a need to prove basic plant performance. But, more importantly, there is a need to make sure that the equipment will fit into the system. 'System? What system?' you ask.

Mechanical, Electrical, Instrumentation, Controls and Automation (MEICA) elements in today's buildings cannot be looked at purely as discrete installations that work on a standalone basis. Making buildings work (no apologies for getting the CSA motto into this article) depends to a very large degree on getting those various MEICA elements to properly interface with one another in one complex system. And that's the rub.

By the time anyone thinks about that aspect the design is often pretty much fixed. Frequently, the major plant items have already been decided on, may well have actually been procured and are in construction. Sadly, there is a good chance that there has been little thought as to how those plant items will operate in the completed building. And we are not talking about such things as the chillers in the cooling system or the boilers / CHP units in the heating. We're talking about the wider scope of MEICA items communicating with each other across system boundaries.

Pretty much every building of any significant size has a communications backbone running through the building that is used to carry plant and equipment data as well as things like IT and telephony traffic. So, the first question is whether or not the equipment communications protocols are compatible with the planned network. Hands up if you've just thought 'It's all done with Modbus'. Yes, but which type, RTU, ASCII or TCP/IP? And which interface is being used, ethernet or serial. Did I say serial? Which one did I mean, RS232, RS422 or RS485? What is the data baud rate? If it's being transmitted at 115200 baud but the receiver is only capable of 9600, there is a good chance there will be issues.

As if it's not hard enough to get things to talk to each other, there is also the issue of finding the right bit of information or setting causing an issue. A recent problem revolved around a fairly basic chiller not talking to the BMS correctly. When the chiller manufacturer came

to site to assist with the solution it was casually mentioned that the chiller's internal controls had in the region of 700 parameters and any one of them could be incorrectly set.

These sorts of problem are sadly not uncommon on projects. CCTV cameras in lifts that are incompatible with the other cameras in the building; power consumption meters that can't talk to the BMS; light fittings that don't communicate with the lighting control software; a fire detection system that won't trigger the PAVA alarm function or accept inputs from the fire suppression systems. Odds are that all of you can quote similar experiences.

So, what's to be done about the situation? If you think about it, it is purely a matter of coordination. The thing is, who is best placed to manage that coordination? The client has the big picture of what they want in the building. They're missing the necessary detail. The design team understand the principles of the individual MEICA components, however, may not be fully aware of all the ramifications of the necessary interfaces and dependencies. The main contractor is likely to be fully involved in making sure the sub-contractors are being brought on board in a timely fashion and that the initial works are following the plan. The CSA suggests that the commissioning management team are the obvious solution.

CIBSE Code M calls for the commissioning management function to be in place very early in the construction process. It is still far too often the case that the commissioning management team is not in place until RIBA stage 5 – stage 4 at best. If they are brought in much earlier, they can use their expertise to map out those critical interfaces and dependencies. They can then ensure that elements are built into the factory tests to prove the compatibility of equipment.

Of course, it's not quite that simple. For example, to test whether the LV panel circuit breakers or consumption meters talk to the BMS you'll need a BMS node connected to the LV panel and a BMS person with a laptop (or a data link to that person in their remote location...). But the additional organisation isn't that hard.

Let's be honest, there is likely to be some additional cost. Now, this is important. It's about time the construction industry, as a whole, accepted what common sense has been telling them for the last 4 decades or more. Spending a little more money up front to make sure things work properly when brought to site will save lots of money and time solving problems further down the line.

The upshot of the above discussion is that no, the F.A.T. shouldn't be killed off. The 'but', of course, is that it needs to evolve to become more relevant to today's MEICA environment and to be of better value to the project – and thus the client who is paying the bills.

Just one final point. Attending a F.A.T. via video link? If it was being run by a professional TV crew with all the relevant hardware and facilities then maybe, just maybe it's feasible. But 8 hours on a Teams call (other video conferencing software is available) trying to see/hear what is going on? Not a good idea!

So, keep the F.A.T, but use the expertise of your commissioning management team to include communication and coordination testing. It will be a good investment!

# CELEBRATIONS

We would like to celebrate all the Distance Learning and grade 4 passes so far this year!

COMMISSIONING DISTANCE LEARNING PASSES			
HARRY JOINER	A	BEN GIBSON	A
LEVENT SEVINC	A	ISSAC JOSEPH	A
SCOTT KILAGALLON	A	ANDREW SPENCER	A
JAMIE WILDISH	A	MATTHEW CHILCOTT	A
JOSHUA KELLY	A	CHRIS LEWIS	A
BRADLEY WALKER	A	ALEX LYNCH	B
LUKE BEARDSSELL	A	EOIN CUMMINS	B
BEN GIBSON	A	LANCE BARON	B
YONGJIE ZHAO	A	NAZA SAMUEL	B
JOE WHITING	A	ANDREW DOYLE	B
JOSHUA CHARLTON (WATER)	A	JACK TAYLOR	B
NATHAN WARD	A	ROBERT KEEBLE	B
KEIREN PATON (WATER)	A	AHMED RADWAN	B
REECE BAKLISH	A	NAZA SAMUEL	B
ALEX MULLOY	A	JACK WHITE	C
CONNOR BRAYNE	A	ROBERT HALLPIKE	C
SAUL JONES	A	EDMUND CAUL-BYRNE	C
HARRY JOINER	A	ROB HENRYS	C
JAMIE WILDISH	A	GILBERT WHITE	C
LUKE BEARDSSELL	A	ARTHUR PENAI	C

WATER TREATMENT DISTANCE LEARNING PASSES	
JOSHUA CHARLTON	A (WT)
KEIREN PATON	A (WT)
DANIEL FIELDER	A (WT)
MARK PAGE	A (WT)
PAUL DAVIES	A (WT)
KEIREN PATON	B (WT)
JOSHUA CHARLTON	B (WT)

GRADE 4 EXAM PASSES	
GRAHAM BLUES	SAMUEL HUMPHRIES
SYED TAHAR	SAMUEL HUMPHRIES
MOHAMED	JULIUS SARMIENTO
MOHAMMED WASEEM	RAJACHANDAR
MOHAMMED WASEEM	GNANASEKARAN
MOHAMED REZK	CHRISTIANNE BINUA
CRAIG KNOWLES	LIAM DRAKE

Congratulations to everyone!





COMMISSIONING  
SPECIALISTS  
ASSOCIATION

Water  
Treatment

## Water Treatment DLC-A, B & C NOW LIVE!

The CSA are delighted to announce that all our Water Treatment Distance Learning Courses and exams are now live on the BESA Academy

## WT Grade 4 Exam – NOW LIVE!

### Benefits of Distance Learning

- Remote Learning
  - Accessible regardless of location
  - Access course material, all from your home or office
  - Study at your convenience
  - Tailored by Water Treatment professionals
  - Access to a CSA Water Treatment Tutor
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## CSA OFFICE NEWS

Welcome to another jam packed edition of Index! We are excited to announce that this years Gala Awards has moved venues again as this event continues to grow in size and this years will be bigger and better then ever with more categories added for water treatment which means more celebrations! Don't forget to get your entry ticked off on your to do list and book your tickets early to avoid disappointment. We also wanted to let you know that the CSA office is **no longer accepting card payments over the phone**. This decision has been made as the majority of you now pay using bank transfer, Sage pay or paypal.

### NEW LOGOS

The CSA marketing committee have been working hard to refresh all the current logos. New corporate and Associate logos will be sent to members for you to use on your own websites and emails and you will start to see these changes appear on certificates, cards and courses as we work through them.



**WELL DONE!**  
**To everyone who has passed their**  
**Distance Learning Courses so far!**  
**To find out more about our courses you can**  
**scan the QR codes:**



### NEW MEMBERS!

**Individuals:** Ahmed Almurghrbi, Shaik Saleem, Mohamed Ibramsha, Konstantinos Kleiasios, Matt Chillcott, Simon Onions, Jeff Pattinson, Abhishek Balajo, Roberto Cousillas, Chris Sissons, Eslam Ahmed, Tom Canning, Brad Taylor, Ollie Jenkins, Ahmed Aliyan, Joerone White, Tyreece Pickering, Vishnu Vasantharajah, Joe Logan, Simon Farmer, Weam Badawi, Fahad Said, Jack Sparks, Ben Bagshaw, Kodie Smith, Tommy Swetman, Sage Wang, Matt Bao, Marius Jechil, Mahmoud Gamal Ahmed, Abner Moras, Mani Gregory, Frankie Teasdale, John Roden Claunan, Zac Logan, Joseph Bailey, Daniel Wright, Nickloas Turrell, Paul O'brien, Sidzbashier Misah, Paul CVollins, Kye Davison, Josef Hrabe, Adnan Alhaj Otman, David Hubble, Samuel Brice, Liam Head, Adrian Burgess, Scott Foster, Ben Storm, Christopher Keane, James Little, Taher Mohammed, Mohamed Alfateh, Sathish Arumegam, Stewart Young, Jimson Damo, Sam Fuller, Charlie Bell, Jerrald Reyes.

**Corporate Members:** Integrated Commissioning Management Ltd, AGIS Group Ltd, MPF Test and Solution, Brockwater Limited, Birmingham Water Solutions Ltd.

**Individual Associates:** Jenil Patil.

**Associates:** IWTM UK LTD, eleXion Water Treatment Ltd.

**Joanne Rowe** – CSA Association Secretary



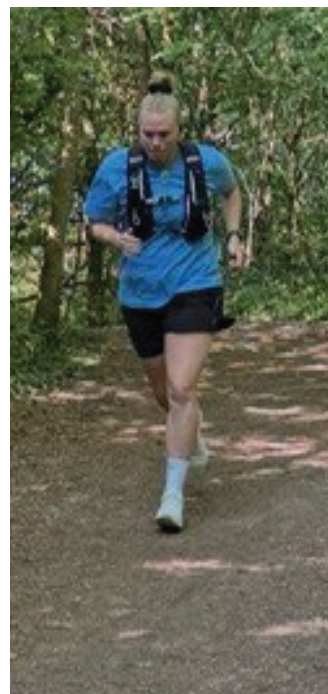
# SPONSORSHIP NEWS!



We also wanted to share that our very own Kate McIntyre is running the half marathon in June in aid of Frankie Penfold. When Frankie was just two weeks old, he didn't pass his hearing test. At first, his parents thought it was a minor hurdle, something that could be addressed with time. But as the months went on, they started to notice things every parent fears. Frankie wasn't meeting the milestones that come so naturally to other babies, he couldn't hold his head

up, roll over, crawl, or sit unaided. Then, just before his first birthday, they received a diagnosis that turned their world upside down.

Frankie has a rare and life-limiting condition called mitochondrial disease, SUCLA2 type, a type so uncommon it affects only one in four million people. Over the past few years, Frankie has faced numerous challenges, including his hips starting to dislocate. Despite countless hours of physiotherapy and the use of standing frames, the condition has progressed. Because Frankie is non-mobile, it's absolutely essential for him to spend time weight-bearing, not just to support his muscles, but to maintain his overall health, particularly his respiratory function.



## FRANKIE'S AMAZING ACHIEVEMENT



Recently, Frankie achieved something that left everyone in awe. He walked 4.6 km with the help of this remarkable piece of equipment called the Innowalk. For a boy who spends most of his time in a wheelchair, this was nothing short of a miracle. Being able to stand and move has done wonders for Frankie's health and has given him something we often take for granted the chance to be at eye level with his siblings and peers. Please take time to read Frankie's full story and support our Kate! If you wish to make a donation to Frankies go fund me page please click the link or contact Kate for more information on; [kate@csa.org.uk](mailto:kate@csa.org.uk).

[https://www.justgiving.com/crowdfunding/frankieinnowalk?utm\\_medium=CR&utm\\_source=CL](https://www.justgiving.com/crowdfunding/frankieinnowalk?utm_medium=CR&utm_source=CL)

**Joanne Rowe** – CSA Association Secretary



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## Commissioning Management Core Concepts - Update

**17<sup>th</sup> & 18<sup>th</sup> June 2025 – Last few spaces available**  
**8<sup>th</sup> & 9<sup>th</sup> July 2025 – Book now!**

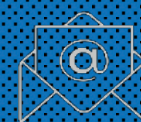
### Benefits of our CxM Core Concepts course:

- Course can be attended online via Teams
- In-person tour dates inc. Scotland, Midlands & London to be announced soon!
- In-house courses available as an option
- Fully up to date material
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- Tailored by Commissioning Managers with over 30 years experience
- Fantastic feedback since launch

• Enables a route to apply for your:



## Book your place now!



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