

CSA



Index

CSA SOCIAL MEDIA #CSAHORSHAM OR #COMMISSIONING

ANNOUNCEMENT

CSA are proud to announce Anthony Anderson as the new CSA Technical Manager.



This Edition is sponsored by:

VEXO®

NEW MEMBERS We would like to welcome the following new members to the Association

Corporate Members: Sollus Solutions Limited, Infinite management, Sted Limited Company

Associate Members: Frese Ltd, Thames valley Mechanical Ltd, CxAlloy.

Individual Members: Jake Eyre, Paul Molyneaux, Jonathan Murray, Sami Ahmed, Efan Jones, Charlie Dobson, Ajay Singh, Ben Logan, Alex Hussey, Daniel Stall, Les Oliver, Scott Brown, Jhose Valencia, Alexander Taft, David Grimes, Brandon Barnes, Luke Hildreth, Jac Mellor, Kyle Weatherley, Nathan Gavin, Emma Hanson-Coates, Omar Jarabah, Julius Sarmiento, Ahmed Abozaid, Shabir Mohamed, Pragadhisvaran Shanmughanthan, Aljon Mansos, Mustafa Saman, Huthaifa Khamayseh, Muhammed Aslam, Christianne Binua.

Individual Associates: Rion Hamilton, Isac Geaver, Jason Fisher, Shawkat Mhethawi.

INSPIRATIONAL WOMEN IN COMMISSIONING

The CSA is proud to announce that we have awarded our first two commissioning manager grades to two inspirational females in the commissioning industry. Charity Samar of Sygna and Emma Hanson Coates of Laing O'Rourke, learn more about their journeys.

CHARITY SAMAR

I started my career in commissioning about 9 years ago, shortly after graduating with a degree in electrical engineering. I became interested in commissioning because I became curious about the testing on the project site I was working on and eventually joined the testing and commissioning team as a test engineer. As a test engineer, I gained invaluable experience in hands-on testing of HV and LV systems in various generation and transmission plants. This experience taught me the importance of attention to detail and the value of a well-executed testing and commissioning process.



After honing my skills as a test engineer, I joined Sygna. 7 years ago as an assistant commissioning manager. This was an exciting opportunity for me to take on more responsibility and to apply my technical knowledge to a wider range of projects. Over the years, I have been fortunate enough to work on many challenging and rewarding projects and have been promoted to commissioning manager.

As you mentioned, the commissioning industry is still male dominated, but I believe that women have a lot to offer in this field. I am proud to be a female commissioning manager and hope that my experiences can inspire other women to pursue careers in commissioning and engineering.



INSPIRATIONAL WOMEN IN COMMISSIONING

EMMA HANSON-COATES

I joined the construction industry in 2015 as an adult mechanical apprentice with crown House technologies. I worked at HMP Berwyn, Dumfries & Galloway Royal infirmary and then on to Manchester Airport transformation programme. At DGRI I had the benefit of working alongside John Wilson on the commissioning team which gave me a real interest in the commissioning processes for major projects.



At Manchester Airport in 2018, I approached the CHT Regional commissioning Leader and enquired if there was an opportunity to join the commissioning management team as a trainee or assistant. I was tasked with the QR coding of all assets into the BIM model and CAFM system. After successfully completing this over the next 18 months I was asked to join the CHT Commissioning Management function in Feb 2020 and allocated to the St James Quarter project in Edinburgh. A £1bn mixed used development including Hotels, Residential, Entertainment and a Retail centre. I was tasked with the commissioning and handover of all the Client/Retail interface connections. Again, it gave me the opportunity to work with John Wilson and further my knowledge of Commissioning and the processes to be managed.

In September 2021 I took on my first lead role as project Commissioning Manager at Orchard Hill Vocational College, Hillingdon. An £18m state-of-the-art space for education. This gave me a chance to put all my previous learning and experience into practice and plan, programme, cost, manage and deliver all the commissioning activities on project.

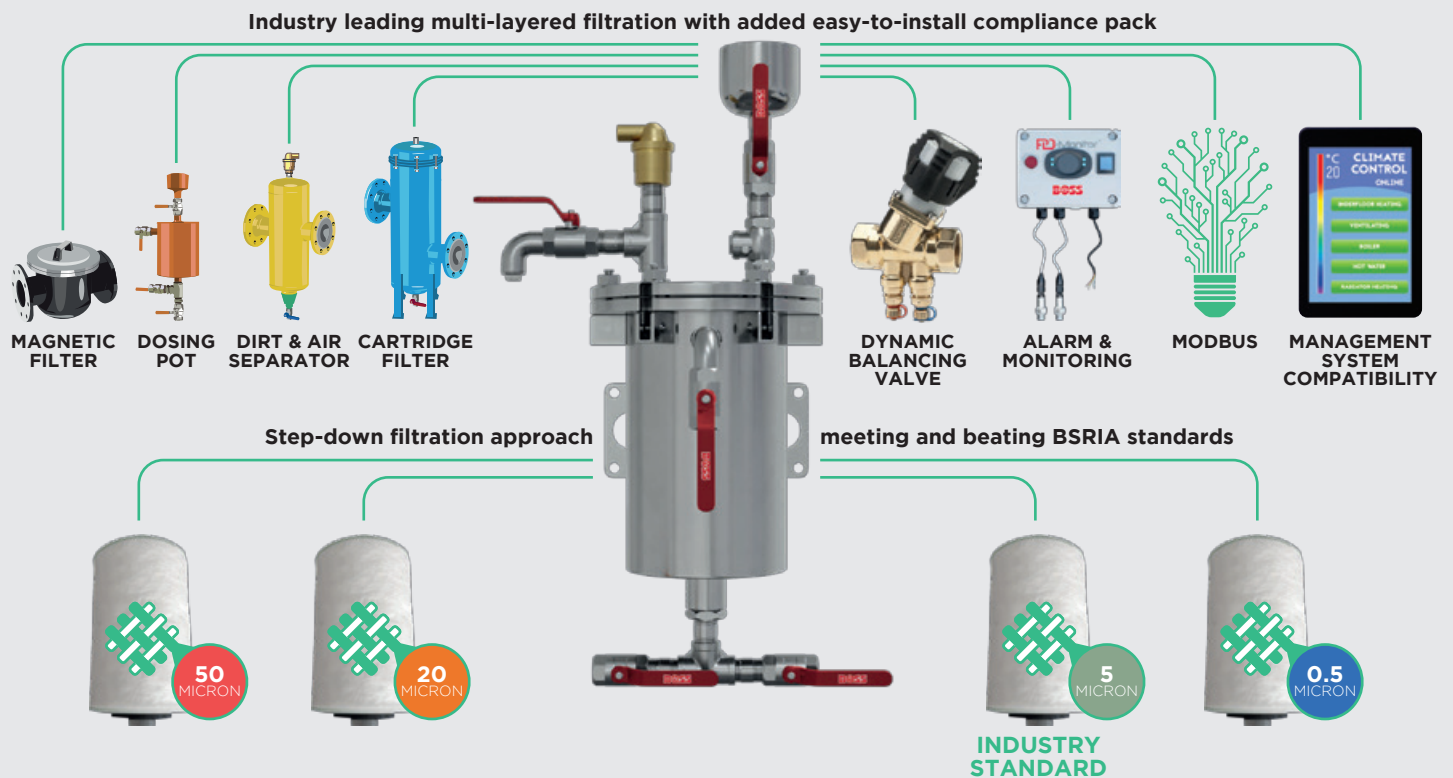
After a brief stint helping with the delivery of the MA05 Data centre for Equinix in Manchester I am now leading the Commissioning Management team at the new Shepperton studios development. A £400m project consisting of 4 office blocks, 14 Sound Stages and 5 workshops which will be on completion the second largest film studio complex in the world.

LAING O'ROURKE

COMPLIANCE COMPLETED



BSRIA Best Practice Water Quality Retrofit Solution for Closed Systems



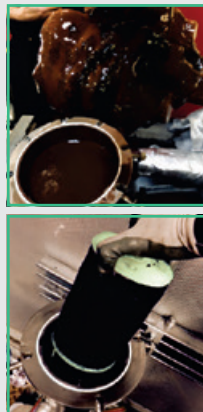
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CHAIRMAN'S SAY

Hi CSA Members, some exceptional updates for you in our new revised look “CSA Index” for Spring 2023, we hope you will all enjoy the fresh new look!

As lighter nights start and hopefully with the warmer weather just around the corner, 2023 and beyond is looking very exciting for the CSA and our industry!

Over the past 33 years and thanks to the various volunteers of the CSA committees we have developed the CSA's offerings that are without doubt the best in the world, which has positioned ourselves to offer anyone who utilises the CSA, the guarantee of a professional service, backed up by the CSA training frameworks resulting in qualified and experienced field personnel.

Taking the above into account the CSA has recognised that we need to build on the past 33 years work, further developing our Distance Learning Courses (DLC's), Exams, Compendium and online presence with the latest commissioning news and industry guidance.

This I'm pleased to announce will be accomplished by the appointment of our new CSA Technical Manager Tony Anderson who has joined the CSA this month, so a very big welcome to Tony who has been apart of the CSA committees as a volunteer for many years. Tony has always inputted into the CSA 110%, developing the ITCM course, reviewing countless Grade 5 thesis's & CIBSE Code M re-write, so this was a very easy appointment to make and we are excited for what the future holds for the CSA with Tony onboard.

Some of the projects Tony will be working on include: Grade 1 to 4 exams online, DLC's online, Compendium updates, Advanced CxM course & Future seminars to name but a few!

Next update, SKILLcard! We are pleased to announce that our skills partnership application to align our CSA grades to an equivalent NVQ has been approved, this is fantastic news for our industry and a sigh of relief as this has been a hot topic over the past year with lots of hard work accomplished, we still have the final admin side of things to be agreed with SKILL-card, but in general if our members have the correct CSA grading they will be able to submit their CSA graded exam/pass certificate when applying for the correct grade SKILLcard, as soon as this is finally agreed with SKILLcard we will email all members with the mandatory process.

And onto our next update, Pre-commission Cleaning (PCC)! The CSA has identified that the water treatment industry is lacking a training framework similar to the CSA's for commissioning engineers, this along with the requirements set out by government (CSCS) to prove competency as we have just done with SKILLcard leaves a gap that needed to be addressed, so moving forward the CSA has established a PCC steering group who have been tasked with creating a training framework that will include: Distance Learning Courses, exams, job descriptions and training & career development guidance, once complet-ed we will move through a process with SKILLcard so that these are industry recognised and count towards applying for a SKILLcard, meaning we still have water treatment engineers on site post the December 2024 deadline for no further industry accredited SKILL card's!

As can be seen by the above, lots happening in the association all for the good of our industry, as soon as we have further updates we will notify all members. Hope you all have a great spring and summer.

Neil Burdess – Associate Head of Commissioning Banyards



CSA OFFICE NEWS

Hi everyone and welcome to our new look Index magazine.

The next grade 4 exam is taking place on May 20th May 2023. There is still time to add your name to the list, we currently have 29 delegates confirmed for the exam.

We are still finding that we do not have correct contact email addresses for some members. This affects you receiving all the latest CSA news and also means that you are not receiving your invoices from accounts. Please ensure you keep us up to date if you move, change your email or phone number.

Also, due to high demand we have added an extra 2 ITCM online courses. Bringing the total to 10. There are again only a few spaces left for these you can find the spaces available on the flyer on page 11.

GALA AWARDS THURSDAY 5 OCTOBER

Have you submitted your entries? It's never too early to start!

Submit your entries or book your table at our dedicated awards website:

www.csa-awards.co.uk

DLC'S

Well done to all of those who passed their DLC's:

DLC A: ADAM HARRIS, WILLIAM CLARK, ROSS CAMERON, PETER ROWE, KRIS BREDDY, FRASER COUTTS, MATTHEW METCALFE, JOE HINTON.

DLC B: PETER MATHEW, OLIVER TREVETT, MATTHEW JOHNSTON, ALAN CRAWFORD, JACOB MCCULLY, CHRIS JONES, JOSEPH REDMOND.

DLC C: JOSHUA CHARLTON.

GRADE 5 THESIS

Well done to all those who passed their Grade 5 Thesis:

James Morton
Jae Arr Martin
Mohamed Ziad
George Nelson

AGM THURSDAY 5 OCTOBER

The CSA annual general meeting will take place on Thursday 5th October 2023 at 3pm in the Great Harry Room, Guoman Tower Hotel, St Katherines Docks, London E1W 1LD.

All are welcome!.



G C C **CHAIRMAN'S SAY**

Q1 2023 has been another period of forward momentum, with many new CSA applicants for various grades including confirmed seats for the online ITCM course, some of whom are heading down the CM3 path. Good luck to all those applicants.

Internally has been a busy period, with continual dialogue with our colleagues in the UK to finalise the new onboarding mechanism that will take any ambiguity out of applicant reviews. This will see huge additional benefit, both terms of freeing time of our committee members to concentrate in other are-as, but also make it more compatible for both Mechanical and Electrical applicants, which has historically been a stumbling block.

To compliment the above, there are also trials ongoing to introduce an online applicant screening process dependent upon their applied grade. New applicants will find the process simpler and can be done from a desktop, rather than time consuming paper trail. More news on this to follow.

Our committee are all very busy with their day jobs, and with a few changes of circumstances within our team, we are seeking new committee members to join our team. Should anyone that meets the criteria set out by the CSA be interested, please submit the required form:

https://www.csa.org.uk/Commissioning_Specialists_Association/file/PDF/GCC_NOMINATION_FORM.pdf online and our Chairman, Lee Hewitt will be happy to discuss further.



VICE CHAIRMAN'S SAY

TONY ANDERSON

Whats New?

We have been operating on multiple fronts with one of the major items focusing our DLC's and Grade 4 examinations more accessible to everyone.

Distance Learning Course Exams – Moving Exams Online

One of the most asked questions when we have had candidates on our DLC's and Grade 4's is when will they get their results back! So far in 2023 we:

- Have created a fully digital Grade 1 test
- Have been busy working behind the scenes with BESA to get this online and will be trailing out Grade 1 later this year
- Are working hard in the background with BESA and will share dates and confirmation as soon as we can

Once we roll out Grade 1, we will then continue sequentially with Grade 2 and Grade 3.

If it isn't broken why change from the current set-up?

Those in-between companies or at smaller companies often struggle to get their examinations invigilated at a timing that suits both. The workload on examiners can be huge! Manually marking these throughout the year can build during peak times & when examiners are on vacation. This new way will provide students with instant feedback and make the process smoother and faster for everyone involved. Student will know when leaving the test centre, the end of the test and pass/fail status and their %!

Grade 4 Exams – Moving Exams Online

We are currently working on the challenge of upgrading our current manual test bank of questions to digital. This has 3 stages main stages:

- Is creating question bank for Technical Exam
- Is creating question bank for Theoretical Exam (along with the intricacies of how this can be performed)
- Migrating both Technical and Theoretical onto the testing platform

As with the DLC's we are working alongside BESA on this and will share progress updates on potential dates and confirmation as soon as we can.

If it isn't broken why change from the current set-up?

Currently Grade 4 Exams are restricted to twice per year (May and October). This creates a limitation on numbers and also huge spike in Examiners workload (so much so our examiners

TONY ANDERSON

CONTINUED...

change their holidays to suit these dates) Manually marking these throughout the year can build during peak times & when examiners are on vacation. This new way will provide students with instant feedback and make the process smoother and faster for everyone involved. Student will know at the end of the test and pass/fail status and your percentage!

Re-booking exam for students that have failed on one or both exams should also be possible quickly and efficiently.

Vice Chairmans Thoughts

Sometimes you get caught up in the improvements that are happening without fully appreciating the efforts and thoughts that made these changes possible. I would like to take 2 minutes to say thanks to those that have enhanced the CSA now and in the past!

Our Chairman, Neil Burdess

Neil's dedication, guidance and drive have been the main reasons why we have the DLC's and BESA provision up and running and the this will soon transition from a thought to a reality in 2023! Brilliant work and guidance from Neil.

Our Office Staff

With the unrivalled support from Jo and Kate the CSA are making incredible improvements and changes from increased social media coverage, to improvements on our Index, to dealing with all committee members, members of the association. Excellent work as always Jo and Kate, thanks!

The GCC

Last but definitely not least is Lee Hewitt who is continually echoing the progress we have here in the UK in the Middle East along with his vision for having a local awards ceremony. Superb work Lee and to every active committee member!

Finally, it should be noted that without our dedicated committee members we would be unable to bring about these changes. I would like to **thank each and every member we have** for volunteering their time to improving our industry! I'm privileged to work in a dedicated and professional team.

If you are a current member of the CSA and would like to make active contributions to our committees, please drop Jo or Kate an email on office@csa.org.uk.

INTRODUCTION TO COMMISSIONING MANAGEMENT

2-DAY TRAINING COURSE

This world-leading training course about the commissioning process and its management is based on Commissioning Code M: Management, which was recently published by the Chartered Institution of Building Services Engineers (CIBSE) and the Commissioning Specialists' Association (CSA).

People from both the client-side and project delivery-side of the built environment attend this highly interactive course, which provides delegates with ready-to-go tools that can improve both construction project delivery and building performance. This is evidenced by this type of feedback from companies whose people have attended the course:

Commissioning Code M has been an absolute game changer, we've adopted the whole documentation structure into our organisation.

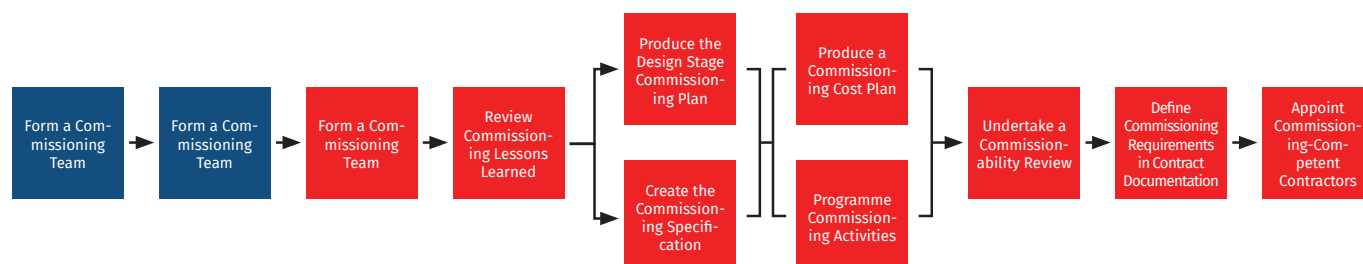
The feedback from everyone has been excellent. A superbly delivered course on an extremely important topic.

On successful completion of the course, each delegate will be awarded a CSA Introduction to Commissioning Management certificate. Grade 5 CSA members, who have the relevant path of development, would then also be able to apply for their Grade 6 accreditation. This agenda for this 2-day course is illustrated below:

Day One

1. Project delivery in the 21st century built environment
2. Commissioning: what is it and why it is important
3. Commissioning on a construction project
4. Management of commissioning
5. Commissioning during the pre-design stage

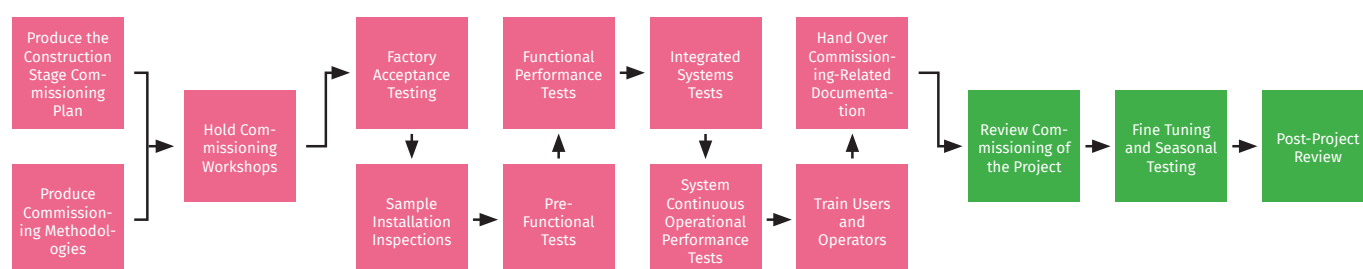
6. Commissioning during the design stage



Day Two

1. Commissioning during the on-site stage

2. Commissioning during the in-use stage



In-Person Course Dates 2023

Tuesday 21st & Wednesday 22nd March - Mill Hill House, Oxford (2 SPACES LEFT)

Monday 19th & Tuesday 20th June - Mill Hill House, Oxford (7 SPACES LEFT)

Tuesday 12th & Wednesday 13th September - Mill Hill House, Oxford (11 SPACES LEFT)

Tuesday 7th & Wednesday 8th November - Mill Hill House, Oxford (12 SPACES LEFT)

Online Course Dates 2023

Wednesday 25th & Thursday 26th January - (FULLY BOOKED)

Wednesday 24th & Thursday 25th May - (FULLY BOOKED)

Tuesday 11th & Wednesday 12th July - (4 SPACES LEFT)

Wednesday 23rd & Thursday 24th August (FULLY BOOKED)

Wednesday 25th & Thursday 26th October (6 SPACES LEFT)

Wednesday 29th & Thursday 30th October (FULLY BOOKED)

Course Pricing

This unique 2-day course is priced at £650.00 + VAT for CSA Members and £750.00 +VAT for non-members.

For further information and to express interest in attending this course, please contact Kate McIntyre or Joanne Rowe at the CSA office on:

+44 (0)1403 754 133 or by email at office@csa.org.uk.

Tony Anderson – CSA Technical Manager

CSA GALA AWARDS

SPONSOR SPOTLIGHT

VEXO International (UK) is a business in which its success and growth is built on innovation, simplicity and education. This is achieved by creating user friendly and robust solutions to tackle the challenges of poor water quality, by application of water treatment products formulated for the HVAC industry. Our wide range of patented and award-winning products are providing benefits to building owners throughout the world. A strong passion for reducing the impact of climate change has inspired the Spring 2021 launch of the VEXO S-BMS innovation. An out-of-the box, live, interactive range of Smart-BMS control panels, each featuring IoT LoRaWAN wireless network, 'X-POT LIVE' water quality notification and 'N-RG HUB' energy monitoring to suit a wide range of buildings and budgets.



Ashford

Ashford Environmental is the UK's leading building services commissioning and water treatment specialist, providing an integrated service to commerce and industry. Incorporated in 1997, Ashford has over 25-years' experience in the combined role, a proven track record and gained a reputation for getting the job done. Finding the best solutions to the challenges of the modern built environment, Ashford has the will, the wherewithal and the resources to deliver. "Our aim is to continually improve our service and performance, to do things better, more safely, more efficiently and more economically whilst always being mindful of finite resources and our environment." Roger J Carlin – Managing Director

BSRIA Instrument Solutions is a leading supplier of specialist test and measurement instruments to the building services industry. Similar to the CSA, BSRIA Instrument Solutions was first established in 1990 and is now celebrating more than 30 years of serving the industry. It has built its reputation by providing the most reliable and advanced equipment from leading manufacturers supporting it with a high level of customer service and technical support to meet with its clients requirements and expectations.



HDR Inc. is a leading, independent employee owned company, specialising in engineering, architecture, environmental and construction services. While we are most well-known for adding beauty and structure to communities through high-performance buildings and smart infrastructure; we provide much more. We create an unshakable foundation for progress as our multidisciplinary teams also include scientists, economists, analysts and artists.

Modern Building Services (MBS) is the leading independent journal for the UK building services sector, reaching designers, contractors, installers, and end-users. Our circulation of 23,726 (ABC) is the largest in our industry. MBStv, a unique online channel that takes a look at our industry from a different angle, brings news and views to our 152,000 website visitors each year. As a long-time supporter of the CSA, MBS understands the importance of commissioning for establishing and operating efficient and effective buildings.



Commissioning Management forms a critical part of a fully integrated approach to successful delivery of a project. Media Control Management aim to work alongside your own project team to deliver a fully operational building on time with minimum defects. They help to produce better buildings that are operationally ready at handover and functioning in accordance with user expectations. This is achieved by planning, programming and sequencing all the mechanical commissioning activities at each stage of the construction.

RED is a global company of specialist building services and ICT engineers, providing technical expertise to deliver market leading building services and ICT infrastructure engineering solutions. We believe in a hands-on approach to Commissioning Management with many of our team having commenced their careers via trade apprenticeships. Our Commissioning Management service is tailored to suit the nature and needs of your project so you receive a fully functional facility, our mission is to help global clients accelerate their sustainable transformation with outcomes such as zero carbon leading to a genuinely sustainable future.



TECHNICAL SECTION

Does the increased use of “Automatic balancing valves” spell the end of the need for Commissioning Engineers?

‘Self-balancing valves’ and ‘automatic balancing valves’ means that there is no need for a commissioning engineer. Right? Tony Anderson, vice-chairman of the Commissioning Specialists’ Association’s believes that the commissioning engineer’s role is more important than ever.

Commissioning a system that contains ‘automated valves’ should be quick and pain free for the commissioning engineer, according to most of the sales literature. However, as most commissioning engineers know this is rarely the case. Over the last 20 years ‘automated valves’ have become the front runners in the commissioning valve market. CFRs, DPCVs, PICVs and EPICV/EPIVs (see the explanation panel on this page) are a just a few types available, each having their own sophisticated characteristics that can offer huge benefits in hydraulic applications.

When installed with variable-flow pumps with a suitable variable-flow strategy, ‘automated valves’ can maximise flow efficiency, greatly reduce operational costs and offer enormous energy savings to end users, in comparison with a traditional fixed-flow system, over the operational life-span of the system.

From the off, it’s worth noting the terms ‘automated’ and ‘self-balancing’ are brochure-type slogans that largely refer to how the valves operate and control water flow after they have been set-up and commissioned. As a specialised component, one of the key challenges with automated valves is getting the system to a commissioned state to allow the valves to perform at the design intent.

Designers should use caution when assigning the pumping strategy around automated valves to ensure that the entire system selected is maintainable and lends itself to be flushed sufficiently. I have witnessed

on several projects ‘temporary’ by-pass loops being installed retrospectively around the automated valve or component, as the energy-efficient design model did not allow for suitable flushing and back-flushing of all system components. This was a lengthy and costly addition to each project. In each instance it was of no coincidence that the commissioning team was not appointed until hydraulic installations were at advanced installation level.

Specialist care is required when performing the pre-commissioning cleaning of systems that contain automated valves. It is possible that each automated valve has a specific flushing mode or dedicated flushing bypass installed; however, this is rarely found to be the case on-site. CFRs of the removable-cartridge type, for example, will have to have been bypassed or have their cartridges fully removed in order to achieve flushing velocities; the BSRIA standard flushing velocity or design +10% will not be achievable with the cartridge in place. Careful handling must be undertaken if removing and storing these cartridges to ensure these are not damaged and that they are correctly identified and re-installed in their original location and orientation. Most types of DPCVs must also completely isolated during the initial flushing exercise.

Alterations made to the system for flushing activities need to be recorded, and the system needs to be re-instated to ‘full flow’ condition before commissioning activities can commence. Proving the system has been reinstated and that control valves and flow cartridges are re-installed back to their original positions is a pivotal verification step on these types of systems.

The importance of pre-commissioning cleaning again highlights the benefits of engaging a specialist commissioning engineer’s perspective at the design stage as they can offer advice on the installation, chemical cleaning, commissioning and maintenance requirements of these valves

TECHNICAL SECTION

CONTINUED...

and the system as a whole. Small changes, additions or alterations at design stage can make significant operational and maintenance savings in the long term.

So, what advantages do 'automated valves' offer to the commissioning of a system?

A traditional proportional-balancing exercise on a fixed-flow system over a large circuit could mean revisiting and adjusting individual commissioning valves two or three times. The second and third times are the fine-tuning exercise, as excess flow from around the circuit can change the flow characteristics within a leg that has already been proportionally balanced.

On an 'automated circuit' with automated valves on multiple branches, after a branch has been balanced there is no need for a second or third fine-tuning exercise.

On a balanced branch with an automated valve set-up, the CFR, for example, would operate by limiting the maximum flow to this branch. Alternatively, a DPCV would counteract excessive pressure fluctuations by maintaining a constant pressure in the branch, regardless of what happens in the rest of the circuit.

So, the real benefit to the commissioning of a system with automated valves comes after this initial balance and set-up phase as such valves can save a great deal of time by eliminating the need for fine tuning.

Conversely, the commissioning engineer has to invest time in setting up the valve up in the first instance and then perform a varying-flow proving exercise. This involves the engineer being able to demonstrate that when different parts of the hydraulic circuit have been isolated design flowrates in other parts of the circuit are maintained. This step proves that the variable-flow strategy works across the entire system.

Nowadays, buildings can contain numerous automated valves or combinations of different types of automated valves installed in various parts of the same system. The criticality for the commissioning engineer therefore shifts to understanding how the various valves are intended to interact and operate as a complete system, not simply how each valve operates individually.

The clearest path to successfully commissioning and maintaining these systems is making sure the knowledge of how each hydraulic system is intended to be chemically cleaned, operated and maintained is shared between designer, installer, commissioning engineer and future maintenance teams.

With designers continually striving to produce the most energy-efficient solution to heating and cooling needs, the complexity of variable-flow models is forever increasing. As automated valves form an integral part of how each of these intricate design models operate, a specialist commissioning engineer should **'automatically'** be selected at the earliest opportunity to help transform them into a fully functioning reality on-site.

AUTOMATED COMMISSIONING VALVES EXPLAINED



PICV: Pressure-independent control valves act as a differential-pressure control valve, a regulating valve and a 2-port control valve — all in one. This example is from Pettinaroli UK Ltd.



**CELEBRATE YOUR ACHIEVEMENTS
CELEBRATE YOUR TEAM
CELEBRATE YOUR BUSINESS
CELEBRATE WITH US**

Recognising and Rewarding Commissioning Excellence

Following the huge success of past CSA Awards Ceremonies, 2023 will again see the sector come together in celebrating the wonderful achievements of commissioning businesses, large and small, on 5th October at The Tower Hotel, St Katherine's Way, London.

If you or your company have something to shout about, these awards provide the perfect platform to get your accomplishments noticed. Check out the categories opposite and see which ones you will be entering! Entry is easy, completely free of charge and you can submit as many nominations as you like. Just visit www.csa-awards.co.uk to complete an online entry form... and if selected as a Finalist, enjoy some fantastic publicity as we count down to the Gala Awards Ceremony.

CATEGORIES

- PROJECT OF THE YEAR
- PRODUCT/SERVICE INNOVATION OF THE YEAR
- COMMISSIONING PROVIDER OF THE YEAR
- COMMISSIONING MANAGER OF THE YEAR
- INVESTMENT IN TRAINING AWARD
- STUDENT OF THE YEAR
- COMMISSIONING ENGINEER OF THE YEAR
- LIFETIME CONTRIBUTION AWARD

EVENT CALENDAR

NOMINATIONS OPEN - 16th January 2023

NOMINATIONS CLOSE - 14th July 2023

JUDGING SESSION - Late August 2023

FINALISTS ANNOUNCED - 6th September 2023

WINNERS ANNOUNCED - 5th October 2023



www.csa-awards.co.uk

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