

# Index

o SUMMER | o 2018

Newsletter of the  
Commissioning Specialists Association

PROFICIENT PROFESSIONAL COMMISSIONING



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*This Edition of Index is sponsored by:*

# Ashford



## NEW CSA CHAIRMAN MR. MARK TODD

*Ashford Environmental Services Ltd*

The biennial changeover of the CSA Chairman and Vice Chairman took place at the 28th Annual General Meeting. We welcome Mark Todd as CSA Chairman and Roy Tyler as Vice Chairman.



Vice Chairman  
– Roy Tyler Media Control

## LIFETIME CONTRIBUTION AWARD – MR. RON OUGHTON

The 28th CSA Annual General Meeting and Gala Awards took place on 14 June 2018 at the Mermaid Theatre, London. We had an excellent attendance of 200 and the very special award of Lifetime Contribution to Commissioning went to a very worthy winner, Mr. Ron Oughton more details on page 4.



**AGM & GALA  
AWARDS 2018**  
FULL DETAILS AND  
PICTURES of  
Finalists and  
Winners on PAGES  
2, 3, 4, 5 & 6



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

**ASSOCIATE:** Abbingley Ltd, Bedfordshire, Clean Air Technology Ltd, Kent , Green Star Central Air Conditioning LLC Bahrain

**INDIVIDUALS:** Anton Djatsuk, James O'Donoghue, James Craddock, Tony Davies, Ben Greenland, Robert Ryan, Danni Chandler, Mark Hayday, Lee Robertson, Thomas Magnier, Robert McNeice, Adam Cooper, Mohideen Khader, John Cordell, Vicente Prado Jr, Roven Liporarda, Paul Pineda, Sean Connor, Ahmed Ismail, Jipson Antony, David Henry, Keven Wood, Garreth Ward, Ben Fox, Nithin Asokan, Ghassan Al Alousi, Mithun Padmandhan, Sajeev Thankappan, Subhash Kumar, Aruin Ok, Ananthu Suresh, Jrold B Asiong



# CSA GALA AWARDS 2018

**The Commissioning Specialists Association** launched an industry-wide awards programme, configured to bring together the entire commissioning sector in a celebration of the companies, innovations and people that are achieving the highest professional standards and helping to drive this dynamic industry forward. The Winners were unveiled at the Gala Awards Ceremony on Friday 14th June 2018 at the Mermaid Theatre, London.

Entries were based on an achievement which took place or was completed during 2017/18 and the judging panel were looking for evidence of genuine excellence, both measurable and memorable. The Commissioning Specialists Association Awards 2018 has seen a very high standard of entries for its 2018 awards programme. The Awards were judged in May by the judging panel, which consisted of representatives from our sponsoring companies, the press and independent experts.

## SPONSORS

I would like to personally thank everyone who spent time in nominating students, engineers, products and projects for these awards and to everyone who sat on the judging panel and of course all our Sponsors.



**Mark Todd** – CSA Chairman

## The Finalists

### Project of the Year

*Sponsored by BSRIA Instrument Solutions*

- Bloomberg Headquarters  
– Ashford Environmental Services
- Worcester Hospital  
– End Systems Ltd
- Sunshine Coast University Hospital 9SCUH in Queensland, Australia  
– Engineering Commissioning Services
- Newcastle University Urban Sciences Building  
– N G Bailey

### Product Innovation of the Year

*Sponsored by Media Control*

- HORIZON-C  
– Distech Controls
- TA-MODULATOR with TA-SLIDER 160  
– IIMI Hydronic Engineering
- Verasys  
– Johnson Controls
- X-POT Side Stream Filtration & Dosing Unitd  
– Vexo International

### Commissioning Provider of the Year

*Sponsored by Modern Building Services*

- Banyards
- Ashford Environmental Services
- Cleartech Group
- Media Control Ltd
- HVAC Plant Proving

### Commissioning Management Award

*Sponsored by Andrew Reid & Partners*

- Mat Embleton – Ashford Environmental Services
- Matthew Coundon – Ashford Environmental Services
- Thomas Dunn – Banyards Consultants
- Stuart Kelly – End Systems Ltd
- Scott Zenko & John Cassidy  
– Engineering Commissioning Services
- Philip Hunt – Long & Partners Commissioning Consultancy
- Craig Powel – NG Bailey

### Investment in Training Award

*Sponsored by Johnson Controls*

- Ashford Environmental Services Ltd
- Airtech Premier Ltd
- End Systems Ltd
- Marflow Hydronics

### Student of the Year

*Sponsored by Vexo International (UK)*

- Adam Gambardella – Beech Technical Services
- Adam Harris – End Systems Ltd
- James Daly – Hitecsa UK
- Carl Mason – HVAC & Refrigeration Engineering
- Volodymyr Franyuk – Kebble Environmental Services

### Engineer of the Year

*Sponsored by Ashford Environmental Services Ltd*

- Darren Ley – Banyard Consultants
- Chris Thomason – End Systems Ltd
- Robert Eadie – HKA Global
- Joe McCulloch – EnviroCom

# The Award Winners

Category	Winner
1. Project of the Year Sponsored by BSRIA Instrument Solutions	NG Bailey for Newcastle University's Urban Sciences Building
2. Product Innovation of the Year Sponsored by Media Control	Vexo International (UK) for its X-POT Stream Filtration & Dosing Units
3. Commissioning Provider of the Year Sponsored by Modern Building Services	Ashford Environmental Services Ltd
4. Commissioning Management Award Sponsored by Andrew Reid & Partners	Thomas Dunn of Banyard Consultants
5. Investment in Training Award Sponsored by Johnson Controls	Andrew Reid & Partners for its GATES Scheme
6. Student of the Year Sponsored by Vexo International (UK)	Lee Lingham of Media Control
7. Engineer of the Year Sponsored by Ashford Environmental Services Ltd	Chris Thomason of End Systems Ltd
8. Lifetime Contribution Sponsored by CSA	Ron Oughton CSA Honorary Member & Technical Sub-Committee



# RON OUGHTON RECEIVES “LIFETIME CONTRIBUTION AWARD” AT THE CSA 2018 GALA AWARDS

The final award of the evening was given to the individual who has made a significant and consistent contribution to the building services sector. The individual will have demonstrated a strong commitment to supporting the commissioning industry, by helping to raise awareness of the importance of the function. They will also have supported the CSA in its efforts to raise standards in training and performance for our industry.



This year we had the privilege of presenting the Lifetime Contribution Award to someone who was one of the "Founding Fathers" of the CSA back in 1989 when the inaugural meeting was held in central London to launch the Association. He was one of the presenters who had the courage to stand up and promote commissioning and the job of the commissioning engineer. At the time he was the Superintendent Engineer for the London Region of the Property Services Agency. He went on to conclude his full-time occupation with FC Foreman and Partners as their Chief Mechanical Engineer.

On the formation of the CSA Technical Sub-Committee, our worthy recipient became an active member, and a contributor to all the articles that were subsequently published, including the Technical Memorandum and the CSA's contribution to the CIBSE Commissioning Codes, which have become nationally and internationally recognised. In addition, he has also contributed to the grading of the CSA exam questions that a good number of us have had to answer. His linguistic prowess and his editorial skills have been welcomed by all the present and past members of the Technical Sub Committee. His knowledge and expertise in the design of HVAC systems, and particularly the commissioning element, is second to none and his experience has been willingly passed on; as he is a natural communicator.

Although now retired from the Technical Committee, he has always been passionate about 'all things commissioning' and was always one of the first members to comment on any of the subject matter being laid before the Committee.

We will all miss his input (and detailed drawings) and wish him well in the future.

It was with great pleasure to present the Lifetime Contribution Award to Ron Oughton! Unfortunately Ron was unable to attend this evening so his ex-colleague and good friend John Coppin collected the award and certificate on his behalf.

## CSA HONORARY MEMBERSHIP PRESENTED TO PETER DAVEY

Prior to entering the HVAC Industry in 1972, Peter was in the Armed Forces as a member of "Engineering Recovery". His time was spent not essentially recovering heavy vehicles but blowing up immobilised Tanks and armoured carriers.

Peter joined commissioning company D & C, initially as a "Trouble Shooter", before getting hands on experience in Air & Water balancing. He then had a short spell at the Nat' West Tower before joining Ellis Mechanical Services for a period of 4 years. He then re-joined D & C and worked in the Middle East on the Dubai Aluminium Smelter Plant before being lured by CARRIER AIR CONDITIONING to work in Nigeria where he spent 6 years gaining experience in High Voltage electrical systems and Refrigeration.

In 1986 he was appointed as Commissioning Manager for HADEN YOUNG before joining Crown House Technologies in 2011 until his "OFFICIAL" retirement in 2015. During this time Peter has been a contributor to the CIBSE & BSRIA commissioning technical publications.



Peter was one of the attendees at the CSA inaugural meeting in 1990 and joined the Technical Sub-Committee in 1995, since then he has been a major contributor to the TM's & GN's the committee have produced.



# 28th CSA AGM



The 28th AGM was held at the Mermaid Theatre before the Gala Awards evening. Once again we welcomed many of our members and we really appreciate the fantastic attendance of those who had travelled from far afield to be with us and support us during this AGM.

**Andrew Watkin** opened the meeting and this AGM marks the official hand over from himself who has chaired the Association for the last three years, to the new CSA Chairman Mark Todd of Ashford Environmental Services Ltd and the new CSA Vice Chairman Roy Tyler of Media Control. During these last three years, the Association has seen a period of unprecedented growth with record numbers of members and an income/surplus which has never been higher. Commissioning Management Training Course – continues to grow with courses being held in the UK and in the GCC – Middle East. As such we have welcomed on board more Commissioning Management companies and Consultants to our membership. The CSA is still keen to grow the CSA presence and voice in the North. We encourage our Northern members to get in touch and help to move this Committee forward. The GCC Chapter, Middle East – has been a great success and continues to grow and we would like to extend our thanks to Andrew Lawlor and his team for making it such a success. Andrew's two-year tenure has also come to an end and the AGM marks the official handover of the GCC Chairmanship to Tony Anderson.



**Keith Barker**—Chairman of the Marketing Sub-Committee reported that this last year has been a period of reflection for the Committee. While our media partner Touchwave Media have continued their efforts to generate copy in the services industry press, with a fair degree of success, we have reviewed our focus. We have thus designed a set of 'articles' that present views of various aspects of commissioning, but also ask some pointed questions and give Members free reign to respond. By the

time you read this report those 'articles' will have been circulated to Corporate Members and we will have commenced follow-up contacts to try and ensure that we get as large a sample of views as possible. We then intend to widen our scope to include other Association Members. Just in case you think that we are perhaps contemplating our own navels too much, the articles have been formulated, in conjunction with Touchwave, so that we can subsequently disseminate them to various media outlets to promote the CSA Member's viewpoints. For the future, we aim to maintain an increased level of contact with Members so as to more accurately reflect the views of the commissioning industry. We will also look to create a database of publications, websites and other media channels containing references to the CSA and commissioning. This information can then be passed on to you Members so that you can use it in your own marketing efforts.

**Chris Davey** Chairman of the Technical Sub-Committee reported that the good work of the (TSC) has continued by reviewing and updating all of the (TM's) and (GN's) that are available via the CSA website and are free to all CSA Members. The TSC have maintained focus in insuring that all the GN's and TM's are uniform and that the information within the document is correct and up to date. The target is to complete the review by Christmas 2018 and then to set about writing and compiling new TM's. Seasonal commissioning and IST testing are subjects that require consideration and the target for these drafts is New Year 2019. Neil Gibson is the newest member of the TSC and most especially on behalf of all our committee members past and present we would like to thank Ron Oughton who has been a stalwart of the committee for a number of years and has at 84 decided to step down and retire from the TSC. His contribution to this committee, the CSA and the Building Services Industry has been immeasurable.



**David Antonio** Chairman of the Training Sub-Committee DA thanked all the members of the CSA Training Sub-Committee who have provided invaluable resources and time creating and keeping the CSA moving forward. Introduction to Commissioning Management 2 day training course has been a huge success with 6 courses already taken place in the UK and UAE. A total of 139 Distance Learning Courses have gone out since the last AGM. Paul Brown, even though semi-retired from the Training Committee is still writing and marking all the Grade 4 Exams and also the DLC test papers which we owe a big thank you.



2018 Behind the Scenes - 2 new DLC modules are being finalised for introduction in 2018.  
DLC B – Introduction to Psychrometrics (2) DLC C Psychrometrics in detail.  
New Variable Volume Water Systems has now been implemented into DLC B as the 12th Module.  
Tony Anderson is also currently working on a new 2 day "commissioning Project Management" course for those that perform an advanced commissioning management role on a daily basis.



# Jules' News



*I would like to personally thank all our Sponsors, Award Judges and Attendees of both AGM and Gala Awards Evening, we are all so grateful for your continued support and it is you that makes it such a successful day and evening—I have had nothing but really positive feedback from attendees which makes all the hard work that goes into organising an event such as this so worth while.*

*A street magician and guest speaker followed the awards ceremony which ended the event with lots of fun and laughs. See below:*



**GUEST SPEAKER – JOHN MARTIN**



**STREET MAGICIAN – NIO**



## GRADE 4 EXAM RESULTS — SATURDAY 12 MAY 2018

**Congratulations to those listed who passed the Grade 4 Technical & Theory Exam:**

- |                 |                |
|-----------------|----------------|
| Jack Nixon      | Andy Pellicci  |
| Will Finch      | Ovi Tarau      |
| Bradley Bonnick | Nicolas Shires |
| Andy Dobson     | Musole Kazhila |
| Marcus Barbe    | Ahmed Qadir    |
| Tom Binbashi    | Sean Connor    |

The next Grade 4 Exam will be held on Saturday 13 October 2018. If you wish to take this exam, please e-mail to confirm—[office@csa.org.uk](mailto:office@csa.org.uk)— You will then receive a copy of the Mock Grade 4 Exam paper.

## Distance Learning Courses – A, B & C

**Well Done to all those listed below who have recently passed the DLC tests:**

- |       |  |
|-------|--|
| DLC A | Craig White, Keiran Paton, Blake Farrell, Steven Gomm, Ionut Clothau, Steven McFadyen, Harry Jeffrey, Ben McLoughlin, Tom Hyde |
| DLC B | John Harrison, Joshua Allen, Ross Donnelly   |
| DLC C | Lewis Helme  |

# Chairman's Say

Let's cut to the chase; the CSA needs to be at the forefront of the industry, the reference point for all things commissioning and I will manage this process diligently with consultation from the best and brightest in our field in order that we have the strongest, most competent organisation so far. These developments will not stop on roll out; they will continue to be assessed and modified to maintain the integrity of our foundation and allow for further changes in order to keep up with the evolving industry.

The CSA awards in June was the fanfare moment of our year, being a total sell out success. The move to London from the shires has been instrumental in the success of this year's ceremony; its central location is easier for people to get to, more vibrant a place to celebrate our achievements, and more prestigious than ever. Thanks goes to Andrew Castle for organising the event. He and his team worked hard to deliver a smashing do, which I'm sure you can agree was most enjoyable. Prior to the awards, I'd like to thank those who came to the AGM, it being the highest turn out ever. I am truly encouraged that our members are fully behind the organisation and ready to bring their energy and ideas to our table.

Tackling the updating of CIBSE codes is my primary task. It's the foundation of our practice and needs to be overhauled to bring it up to date, to encompass all aspects of the industry today. The Technical Sub-Committee will handle this and design a reference point that is clear, concise, and inclusive of modern regulations.

The CSA has a massive opportunity right now to be THE advisory body on commissioning and the single point of contact for everyone in the industry, from entry level engineers to veterans in the field in all departments. Crystallising what we can do for our members so that everyone knows who to go to for the help they require and precisely what advice and support will be available will promote confidence in our strength as the guides and guardians of commissioning in its entirety.

Promoting training courses has always been incredibly important and I believe that delivery of succinct, straight forward, challenging material is imperative. Each level is an excellent test of experience and knowledge and a true achievement in the progression of our engineers' careers and with the new Grade 7, which is under development, we aim to offer our people the opportunity to reach the highest stratum. The more members who follow this path, the greater the CSA and industry at large will be.

Our resources in the GCC and northern British sectors is currently under represented and the potential therein should be harnessed. With regard to the northern contingent, it will be essential to provide more structure and support so that their committee can make the decisions required as pertaining to their specific needs. This committee started out very well and I shall ensure that it is developed and given the voice it needs in order that our members in that region are entirely equal to the parent committee in the south so that once we have agreed and signed off any new ideas, they are in a strong position to implement them. This also goes for the Middle East division, and links to their part of our organisation must be streamlined so that they may expedite communications and decisions despite the distance.

In conclusion, I absolutely believe in the power of this organisation and in my tenure as Chairman, I shall bring our members the kind of association that they need and deserve. I am proud of the CSA and each man and woman who make up our esteemed organisation, and together we will continue to be a powerhouse of resources for the membership. Commissioning is a core part of the construction industry and frequently misinterpreted in terms of what we do. Clarification and promotion of our role will help clients and those within the commissioning sphere feel confident in our work. I welcome suggestions from all to bring my attention to issues that need resolution or highlighting; for example I need women in commissioning to talk to me about how to improve their experience of the work they do, what needs to change and how to execute these changes. The issue of maintaining good mental health among our people is also a topic which needs addressing in the stressful economic times, as productivity is often put ahead of workers' health, so experiences of this on the job would be very useful so that we can tackle this sensitively and specifically.



Finally, thanks must go to Andy Watkin for being an excellent Chairman for the last three years. Roy Tyler is our new Vice Chairman and we welcome him to his new post. And the CSA could not exist without the tireless work and fantastic input from our bed-rock team who support us with efficiency, expertise, and humour; Julie, Jo, and Tracey. Roger Carlin and Tony Kennedy have given me the opportunity to forge the career which has led me to this point. Thank you both, so much.



# Ashford Environmental Services Limited Commissioning Provider of the Year 2018

Ashford completed a very busy first six months of 2018 by winning the Commissioning Provider of the Year Award at the prestigious CSA Gala Awards Dinner in London. Voted finalists in three other categories; "Project of the Year", "Investment in training" and "Commissioning Management Award" Ashford won Commissioning Provider for the third time in four years.

The last six months has seen Ashford relocate its City office to brand new premises in Bow Lane EC4 and the Bermondsey depot to a bespoke warehouse premises in Dartford. Coinciding with this, a number of mega projects commenced in the City of London and Cambridge which are due to run well into next year.

Established in 1997, Ashford provides a full commissioning service from design audit, through construction inspection, supervision and commissioning management, to pre-commission cleaning, pre-commissioning, pre-test and balancing checks, commissioning and performance testing. Our aftercare service includes monitoring of water quality, legionella control, environmental, general maintenance, post occupancy evaluation and continuous commissioning.

If you want a fresh pro-active approach backed up by a wealth of experience and a management philosophy of continuous improvement in service and performance, then contact us now. One of our directors will be happy to meet with you to discuss how Ashford can enhance the service that you provide.

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- Bio-wash processes
- Microbiological & chemical analysis
- Site survey & risk assessment
- Chlorination/disinfection to BS6700 & HSE ACOP L8
- L8 compliance & survey
- Closed system water quality monitoring & maintenance
- Boiler & cooling tower maintenance/cleaning/refurbishment
- Cooling tower decommissioning
- Supply/maintenance of water softeners
- Supply of dosing pots, air/dirt separators, sample coolers
- Tank cleaning/replacement/refurbishment
- Hevasure remote monitoring/control of dosing plant
- Corrosion rigs & coupon racks

## Commissioning Services

- Commissionability appraisal
- Systems validation
- Commissioning advisory service
- Commissioning management & supervision
- Commissioning testing & balancing
- Commissioning documentation
- Pre-commissioning checks & fault finding
- Plant functional analysis
- Environmental monitoring
- Plant operation, plant inspection & testing (site or works)



Bloomberg



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52 Lime Street



22 Bishopsgate

## General Services

- LEV compliance assessment
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- Installation co-ordination
- Quality assurance techniques
- Site surveys & construction supervision
- "Clerk of Works" function



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# Ashford





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# CSA INTRODUCTION TO COMMISSIONING MANAGEMENT 2-DAY COURSE

With an already established and renowned portfolio of training courses, the CSA has constructed the 'Introduction to Commissioning Management' course to give real life insight and guidance to the Commissioning Management Process. This 2-day course is split into 8 sessions, providing exercises to assess and guide Delegates through specific activities. Each session contains:

- the source material
- detailed guidance through the process
- an interactive session "exercise" to end each session

On successful completion of all 8 sessions each delegate will be awarded a CSA Introduction to Commissioning Management certificate and CSA members who are a Grade 5 and have the relevant path of development experience would then be able to apply for their Grade 6.

## An Overview of the Training Course

### Day One

- Project delivery in the 21st Century built environment
- Commissioning: what is it and why it is important?
- The commissioning process for a construction project
- Management of the Commissioning process
- The commissioning management specialist
- Getting started on the project
  - Forming a commissioning team
  - Producing a commissioning plan
  - Commissioning team administration
- Commissioning-focused design reviews
- Programming commissioning activities

### Day Two

- Factory acceptance tests
- Preparation for site-based commissioning works
  - Pre-start commissioning workshops
  - Production of pre-start documentation
- Monitoring and controlling commissioning works on site
  - Tracking Commissioning activities
  - Verifying and documenting commissioning works
- Project handover and close-out
  - Producing a final project commissioning report
  - Initial occupation support

### Course Location

In keeping with its other training programmes, this course will be conducted at the CSA offices in Horsham, West Sussex.

### Course Dates

(Course dates 2018 — 18/19 July 2018 and 9/10 October 2018)

### Course Pricing

This unique 2-day course is priced at £600.00 + VAT for CSA Members and £700.00 +VAT for non-members.

*For further information and to express interest in attending this important training course, please contact Julie Parker or Joanne Rowe at the CSA on +44 (0)1403 754 133 or by email at [office@csa.org.uk](mailto:office@csa.org.uk).*

**CARDIAC RISK IN THE YOUNG** was the chosen charity at the CSA Gala Awards and we raised £1,700. We played "heads n Tails" whereby Jack Mills of Media Control won the prize of £100 and a bottle of Bubbly. Jack very kindly gave his prize money back to the charity which was extremely generous of him.



**Andrew Watkin**  
Airtech Premier Ltd

# NEW TECHNICAL MEMORANDA (TM12) – PSYCHROMETRY FOR COMMISSIONING ENGINEERS FREE TO CSA MEMBERS



The object of this TM is to provide general guidance on psychrometry and the use of the psychrometric chart for commissioning specialists.

The extent of the guidance offered is limited to a simplified outline of the psychrometry of typical processes used in air conditioning and environmental systems, together with the means of representing or tracing the particular process on a psychrometric chart and interpreting the changes in the various properties of air.

Visit:

[www.csa.org.uk/Commissioning\\_Specialists\\_Association/file/technical-memorandums.php](http://www.csa.org.uk/Commissioning_Specialists_Association/file/technical-memorandums.php)

New TM's available to download.



## IN MEMORY OF ALAN THORN

**It is with great sadness that we report the death of Alan Thorn.**

Alan had a long and distinguished career devoting the final 10 years of this to BSRIA.

He started working for BSRIA Instrument Solutions in 2008 and was a well-known, well-liked and respected member of the sales team, being popular with staff and customers alike.

Prior to joining BSRIA, Alan operated his own business as AT Instrumentation Ltd (ATIL), and was a distributor for the Alnor/TSI range, amongst other products.

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Website: [www.airflowmeasurements.com](http://www.airflowmeasurements.com)

# pureflow

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Web: [www.pureflowltd.co.uk](http://www.pureflowltd.co.uk)

At Pureflow we pride ourselves on working as one team, with support provided at every level. All operatives are technically trained via our memberships to the Commissioning Specialists' Association and BSRIA, as well as on safety matters via our CHAS accreditation, all of which ensures that the knowledge and service provided is absolutely the best there is to offer on the market.

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# Ashford

## Environmental Services Limited Commissioning Provider of the Year 2018

Ashford is proud to announce that it has been voted Commissioning Provider of the year for the third time in four years. 2018 has now been added to the 2015 and 2016 awards. Ashford also won the Innovation in Commissioning Award in 2016 for its MDP® (minimal discharge process) a dynamic cleaning method which vastly reduces consumption of water and chemical compared to traditional cleaning methods.

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