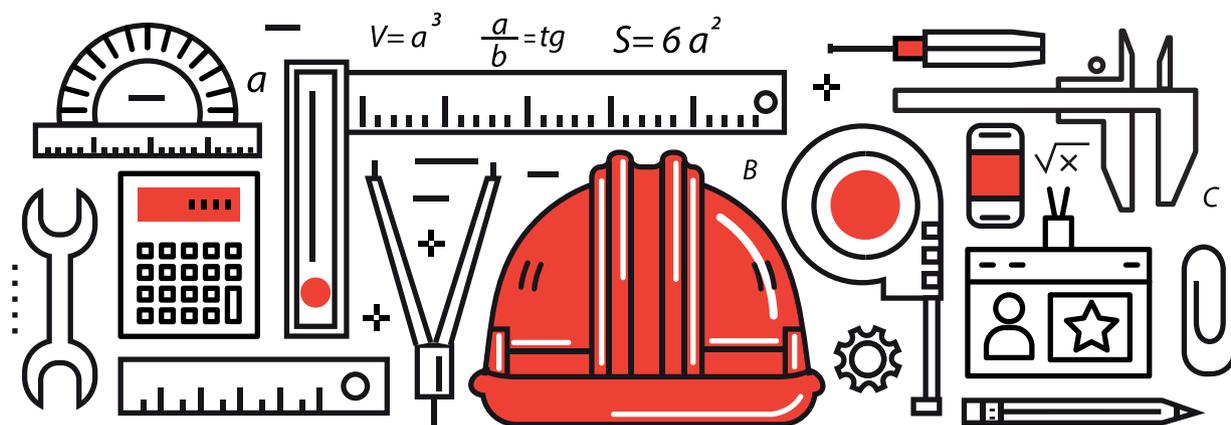




ACO. creating
the future of drainage



ACO ACADEMY

PROFESSIONAL DEVELOPMENT FOR ENGINEERS

HELPING CREATE KNOWLEDGE CHAMPIONS

Surface water management is one of the most dynamic sectors of the construction industry with new legislation, innovative products and ground-breaking materials constantly emerging.

ACO has recognised that knowledge transfer is fundamental in keeping up-to-date with the latest advancements in surface water management and has a unique training offer that can be accessed online, in-company or at the state-of-art training facility at ACO UK headquarters.

Embracing Professional Development on a day-to-day basis and creating the habit of spending a few minutes to record your learning makes undertaking Professional Development interesting and stimulating, keeping you ahead in your professional life.

ACO have a number of ways to help you engage with professional development, from case studies and white papers to webinars, event extracts and face-to-face in-company training.

IN COMPANY

ACO offer face-to-face professional development sessions. These are carefully designed to last up to 1 hour, so they can be undertaken across a lunch break.

A member of our team will contact you directly to discuss your requirements and will tailor the session to meet your needs.



WEBINARS

ACO have developed a series of webinars that will keep you up to date with surface water management trends, bringing you technical expertise as well as more specific product information. Whatever your involvement from specification to installation, there will be a webinar to meet your needs and further your learning.



ACO ACADEMY DAYS

ACO's training facility at our UK head office in Bedfordshire has a theatre-style facility that can hold up to 50 people for large groups and a number of breakout rooms for small groups. Professional Development training can be combined with more in-depth product training at the on-site learning zone.



SEMINARS

ACO is bringing the experts to you with our programme of regional events, sharing information from key influencers within the industry as well as more specific product information. ACO's seminar events will include brilliant opportunities to enhance existing knowledge as well as network and discuss thoughts and ideas with other delegates.



PROFESSIONAL DEVELOPMENT CYCLE

Professional development should be planned and prior to undertaking, you should know what outcomes and learnings you are expecting.

Once you have completed the professional development, it is important to record the outcomes and learnings either through your professional body or your own learning development plan.

Reflection is perhaps one of the most important stages of the professional development cycle, and a paragraph on what you learnt and how you might approach your role differently as a result will ensure you get the maximum out of professional development.

The final stage is to review your professional development plan for the year and ensure that you have a good split between personal technical knowledge/skills, job role technical knowledge/skills and personal soft skills.



PLANNED VERSUS UNPLANNED LEARNING

It is important to undertake both planned learning, where you plan to develop knowledge of skills in advance of the activity, and unplanned learning, which occurs when a learning activity is carried out without any prior thought or planning e.g. reading a journal or learning through colleague interaction. The optimal ratio of planned to unplanned learning is 1:2, so if you were required to record 30 hours of CPD in a year, you would undertake 10 hours of planned learning and 20 hours of unplanned learning.

ACO Professional Development focuses on planned learning, and this can be formally organised by your employer through in-company presentations and ACO Academy days or self-directed via our webinar series.



PROFESSIONAL DEVELOPMENT HOURS

In order to assist you in recording your professional development, ACO Academy has developed a Professional Development (PD) log and time icons that will show how the resources that ACO provides can contribute towards your ongoing professional development.



TYPES OF CPD

A great deal of today’s professional development is self-managed and supported by employers and professional bodies. It can be as simple as reading an article, attending an event or a webinar; all of this counts as Professional Development.

TRAINING

Includes soft skills and technical courses, e-learning, distance learning, webinar training sessions, bidding and tendering, in-company courses, etc.

WORK EXPERIENCE

Includes learning new skills and knowledge through job shadowing, coaching, managing others, secondment, research, project work, etc.

ACADEMIC STUDY

Includes formal study programmes such as Masters degree (e.g. MEng, MSc), PhD/Doctorate, Bachelors degree (e.g. BEng, BSc), HND, HNC, City and Guilds, NVQ, ONC, OND, etc.

EVENTS AND SEMINARS

Includes conferences, networking events, technical visits, exhibitions, seminars, lectures, etc.

ACO Academy – Professional Development

www.aco.co.uk/professional_development

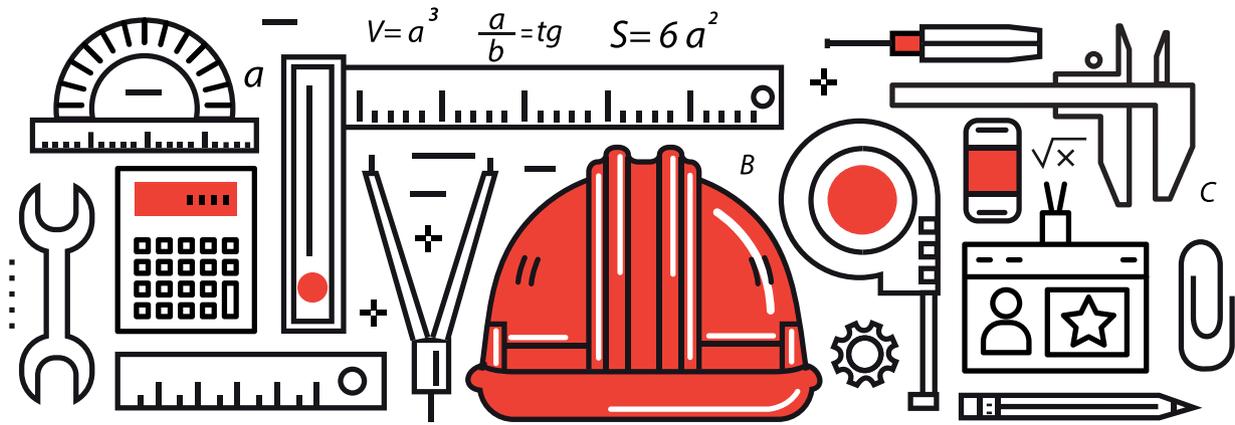
SELF STUDY

Includes reading books, journals and articles, research through internet searches and digital information sources, online technical communities and discussion forums.

ACO case studies and videos

www.aco.co.uk/case-studies www.aco.co.uk/videos





PROFESSIONAL DEVELOPMENT FOR ENGINEERS

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In today's ever-changing construction industry, it has never been more important to ensure you are up to date with current industry trends and new innovations.

ACO recognises that in a diverse discipline such as engineering, this can be a daunting task and has developed a series of Professional Development courses that can be accessed in a number of ways, ensuring you can access professional development when and where you need it.

As a chartered engineer you are required to undertake continuing professional development to develop your career and encourage lifelong learning. Depending on your professional body or employer, this can be between 20 and 30 hours CPD per year. This could, for example, be split between personal technical knowledge and skills, job role technical knowledge and skills, and personal soft skills.

For more information on **In Company Professional Development** and **ACO Academy Days**, please telephone **01462 810254** or email **ukprofessionaldevelopment@aco.co.uk**, or to book a webinar, please visit **www.aco.co.uk/aco-cpd**

PROFESSIONAL DEVELOPMENT COURSES	WEBINAR	IN COMPANY
<p>PRACTICAL AND SUSTAINABLE SURFACE WATER MANAGEMENT Focus on the future of surface water management, SuDS and how we find a balance in our designs. Showcasing how keeping water flow at or near the surface can convey flow to SuDS solutions.</p>	✓	✓
<p>EFFECTIVE SURFACE WATER MANAGEMENT Focus on the application of suitable systems when dealing with the collection, cleaning, holding and releasing of surface water.</p>	✓	✓
<p>STAGES IN SuDS IMPLEMENTATION FROM PRE-PLANNING TO ADOPTION AND MAINTENANCE An insight into the legislations, recommendations and considerations for implementing a SuDS solution into a project from pre-planning through to maintenance options for the life of the project.</p>	✓	✓
<p>VALUE ENGINEERING A detailed look at schemes that have maximised value engineering and how to recognise opportunities, and harness earnings for future projects.</p>	✓	✓
<p>STORMBRIXX A product centric presentation on ACO's Geocellular stormwater management system and its application across all construction environments and as part of an integrated SuDS scheme.</p>	✓	✓
<p>QuAD CHANNEL DESIGN, ACO IN MICRODRAINAGE Showcasing the ease of designing the channels using ACO's QuAD software and additionally in a MicroDrainage network model to produce an integrated analysis.</p>	NOT AVAILABLE	✓
<p>HIGHWAYS SURFACE WATER MANAGEMENT Focus on compliance with Highways England requirements and solutions which overcome problems encountered in urban and rural highway schemes.</p>	✓	✓
<p>QuAD CHANNEL DESIGN The presentation demonstrates the simplicity of designing the channels using ACO's QuAD software. Taking you through a step-by-step guide on using the software.</p>	✓	✓



SPEAKER BIOGRAPHIES

Throughout the world, ACO-branded drainage and surface water management systems are recognised for their innovative design, high-quality manufacture, environmental excellence and industry-leading performance as a manufacturer of Channel Drainage.

ACO Technologies plc was founded over 30 years ago in the United Kingdom and the company has grown quickly on a reputation for design innovation and excellent customer service. There are now two core divisions, ACO Water Management and ACO Building Drainage that serve every sector of the construction industry, providing solutions for applications as diverse as rail, highways, airports, landscaping, retail, distribution centres and environmentally-sensitive projects.

It is this level of expertise and experience that our business development team bring to professional development presentations so you can be assured of quality and knowledge.

Professional Development delivered by the right people, gives engineers the opportunity to step away from their day-to-day responsibilities to learn more about market changes, new products and improved approaches so that their projects achieve the best results.





PETER BEMBRIDGE

With 45 years' industry experience, the last 18 at ACO Water Management, Peter has a wealth of industry expertise. His knowledge and experience, particularly in highways drainage, is unparalleled within the organisation, and as a member of the CIHT he keeps up to date with relevant trends as well as sharing his knowledge with fellow professionals through his presentations. His professional interests extend to commercial developments large and small and the drainage solutions that are important as we change land use. Previously a county rugby player and athlete, he has more recently turned his competitive edge to improving his golf handicap.

ACO Professional Development areas: Effective Surface Water Management, Urban Surface Design, Managing Highways Surface Water, StormBrixx, Surface Water System Design and QuAD Channel Design.



ADAM CANE

Educated as a Civil Engineer BSc (Hons), Adam began his career working as a highways and bridge engineer for a local council, giving him hands-on experience. In his four years at ACO, he has enjoyed a highly technical role supporting engineers on high-level projects. He now uses that knowledge supporting engineers on schemes and providing professional development presentations. In his spare time Adam works to promote, construct and educate on the subject of Renewable Energy and Sustainability and enjoys attending festivals and exercising.

ACO Professional Development areas: Effective Surface Water Management, Practical and Sustainable Surface Water Management, Urban Surface Design, Managing Highways Surface Water, StormBrixx, Value Engineering, Surface Water System Design and QuAD Channel Design.



DAVE DUNN

Dave spent 7 years in the Mechanical Engineer industry before moving into the construction industry, Dave joined ACO as Regional Specification Manager for the North East from an engineering consultancy. He has a HNC in Mechanical Engineering, and has a keen interest on Linear Drainage and Stormwater Management. Away from work Dave is heavily involved in his local football club which he is chairman of as well as playing, he follows his beloved Barnsley football club, enjoys jogging and spending time with his dog Dexter.

ACO Professional Development areas: Effective Surface Water Management, Urban Surface Design, StormBrixx and QuAD Channel Design.





PETER HAMILTON

With 21 years in the construction industry, the last 8 of those with ACO. As Regional Sales Manager for Scotland and Ireland, Peter understands the unique requirements for each of our ranges from Civils & Infrastructure applications such as highways to Building Drainage applications including grease management. Peter spends his spare time keeping active and enjoys cycling and going to the gym as well as taking his 2 dogs for long walks in the countryside.

ACO Professional Development areas: Effective Surface Water Management, Urban Surface Design, Managing Highways Surface Water, StormBrixx.



ANDY LEAH

With 18 years' experience in the construction industry and previously 15 years in Mechanical Engineering, Andy has worked at ACO for the past 5 years. He has a HNC in Mechanical Engineering and has a particular interest in highways drainage and SuDS. At weekends you would find Andy in the mountains of the UK, walking, climbing or skiing and he volunteers as an instructor at a local outdoor activities charity.

ACO Professional Development areas: Effective Surface Water Management, Managing Highways Surface Water and Value Engineering.



EOGHAN LISTON

Eoghan has been the Business Development Manager for ACO in Ireland for the last 3 years and represents ACO with Engineers Ireland as a Corporate Partner. He has had extensive product training over 11 years and has a passion for ACO drainage solutions from highways to sustainable drainage. As well as the full ACO Water Management portfolio, Eoghan works with architects, consultants and contractors on ACO's full range of Building Drainage solutions. Sport is the focus of Eoghan's free time with anything water based being first on the list, but also enjoying cycling, rugby and keeping fit.

ACO Professional Development areas: Effective Surface Water Management, Practical and Sustainable Surface Water Management, Urban Surface Design, Managing Highways Surface Water, StormBrixx, Value Engineering and Surface Water System Design.



ADAM MCKINNON

Adam has worked for ACO for the last 9 years as our Business Development Manager in Scotland and is an expert in the differing legislation and requirements for this area of the UK. Educated in the building and construction arena and with 43 years' experience, he is trained in SuDS for roads, specification and contractor sales and framework agreements. He has a particular interest in SuDS and spends his free time fly fishing in the beautiful Scottish landscape.

ACO Professional Development areas: Effective Surface Water Management, Practical and Sustainable Surface Water Management, Managing Highways Surface Water and StormBrixx.



GARY MORTON

Gary has worked at ACO for over 26 years and has nearly 33 years' industry experience. He attended UCLan studying Construction Management and Building, is a member of CIHT and previous CIOB and RICS member. Gary specialises in transportation covering rail, light rail, airports and highways as well as SuDs, and ACO bespoke products. In his time at ACO he has held many roles including Commercial Manager for ACO Technic and promoting the use of BIM within the ACO Group. He has varied hobbies such as climbing, caving, canoeing, cycling, and clay pigeon shooting. Gary also enjoys technical scuba diving and wreck diving in the UK and all over the world.



KEITH OLDHAM

Keith is a qualified Chartered Civil Engineer and Chartered Water & Environmental Manager and has a BSc in Civil Engineering. He is also a full corporate member of the ICE and CIWEM. With 40 years in the industry he has spent the last 7 as ACO's National Technical Consultant. His knowledge is extensive and in depth and he has a particular interest in urban catchment drainage, network modelling, the environment and SuDS. Outside work he is a keen Northampton and England rugby fan and enjoys the freedom of flying.

ACO Professional Development areas: Practical and Sustainable Surface Water Management, StormBrixx, Surface Water System Design, QuAD Channel Design and QuAD Channel Design and ACO in MicroDrainage.





MARTIN SMITH

With 23 years working for ACO in the South West and Wales, Martin has a long-established career in the construction industry, having started his career as a bricklayer and moving on to construction site work. After many years in the industry, Martin has an excellent spread of knowledge, with particular interests in highways, wildlife, sport and specialist products. In his spare time he is a keen motorcycle enthusiast, attending and following events around the UK. He also raises money for charity with an emphasis on cancer and child hospice care.

ACO Professional Development areas: Effective Surface Water Management, Practical and Sustainable Surface Water Management, Urban Surface Design, Managing Highways Surface Water, StormBrixx and Value Engineering.



DR DAVID SMOKER

As Technical Director at ACO for the last 6 years, David has utilised his many years of experience in the water industry and his PhD knowledge in polymer technology to fuel his passion for SuDS. He works with other experts within the industry to maximise the usage of SuDS to manage the issues that the UK faces in surface water management. David is leading the development of Integrated Water Management and European standards for the industry, making him a sought-after industry advisor. His spare time is filled at home with walking the family dog and abroad on wildlife and safari vacations.

ACO Professional Development areas: Effective Surface Water Management, Practical and Sustainable Surface Water Management, Urban Surface Design.



JON WILLIAMSON

Jon started his interest in the construction industry from his early education with an HND and OND in Building Construction and Technology, following it with a Chartered Builders Professional Qualification. He has worked in Business Development at ACO for the last 4 years of his 39 years in the industry, and has a particular interest in sustainable drainage systems and highways drainage. Outside the office, he can be found pursuing his musical interests in the electric guitar and rock music.

ACO Professional Development areas: Effective Surface Water Management, Practical and Sustainable Surface Water Management and StormBrixx.





TERRY WILKINSON

As a Highways Application Engineer for ACO, Terry has focused his career on the highways industry, both in his 3 years at ACO and prior to this, as a consultant and contractor in the industry. He is a member of the CIHT and ICE and is working towards his chartered engineer status with CPD at the heart of this journey. Unsurprisingly, his professional interests are focused on highways drainage solutions; however, he has a broader understanding of applications for other areas such as housing, commercial and distribution developments. Outside work he spends time with his young family and enjoys all types of music and plays the drums and harmonica.

ACO Professional Development areas: Effective Surface Water Management, Practical and Sustainable Surface Water Management, Managing Highways Surface Water.



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