



Aquatic Control Engineering



**Innovation &
Sustainability**

Our Journey ▶

ACE's journey started by importing waterway maintenance equipment to the UK, in 1995.



In 2008, in association with the Environment Agency, ACE invented the first Fish Friendly Flap Valve.

2010 saw ACE deliver its first million pound project at St Germans Pumping Station.



Growing our portfolio further, ACE installed four new weedscreen cleaners at the UK's second largest land drainage pumping station.

In 2018, ACE were principal mechanical contractor for the pumping station, Bells & Mocketts. This project delivered the UK's largest enclosed Archimedean Screw Pumps.



ACE was awarded its first multi million pound project. Delivering six 4m³/s pumps at Keadby pumping station

In 1997 ACE introduced HDPE and Stainless Steel water flow control products to the UK. Already a proven technology in Holland, this revolutionised the UK Market.



Safe passage of fish and eels became ever more important. In 2010, working closely with the Rivers Trust and Environment Agency the eel pass was invented.

In 2013, Morpeth Flood Alleviation Scheme was ACE's first M&E turnkey project. This included five 3x3m penstocks, supply and install of the hydraulic's, HPU's and the control systems.



In 2016 ACE, once again, partner with Dutch experts. This time bringing innovative pump technology to the UK. The UK's first enclosed Archimedean Screw Pump is installed.

As principal contractor, ACE project managed, designed and installed four stop logs weighing over 20 tonnes.



Our Story

Aquatic Control Engineering Ltd (ACE) was formed in September 1995, by Chairmen Bas and Marjon van Nieuwenhuyzen. Armed with many years' experience their aim was to introduce the latest technology in water flow control innovations into the UK and Irish marketplace.



ACE pioneered the introduction of High-Density Polyethylene (HDPE) used in combination with stainless steel. A material combination which is lighter, resistant to corrosion and more robust than traditional technologies. Now proven and widely adopted, ACE has cemented its reputation as market innovator.

To this day Bas and Marjon are still very much involved, leading an ever-expanding team of experts. Always striving to deliver on our mantra; **Flood defence without compromising fish migration, fish migration without compromising flood defence.**



ACE have an experienced, highly qualified team, allowing us to work on projects ranging in size and complexity.

We adapt to industry requirements, and work with our customers to provide effective future proofed solutions.

We work closely with our clients and supply chain, to ensure we are always at the forefront of available technology and processes.



Our company values ensure a sustainable approach is taken; we pride ourselves on improving the environment we live in.

Our Capabilities

At ACE we pride ourselves on our unrivalled expertise. As the UK market leader we have a team of expert engineers on hand to deliver any project with over two decades worth of knowledge and experience.



A Team of Expert Engineers & Professionals

The team at ACE are experts in the water industry with extensive experience in designing, manufacturing, and installing even the most complex of projects.

Low Carbon Footprint

ACE look to carbon management in a number of areas across the business



Green Spaces



In House Efforts



Eco Solutions



Intelligent Design



Smart Materials



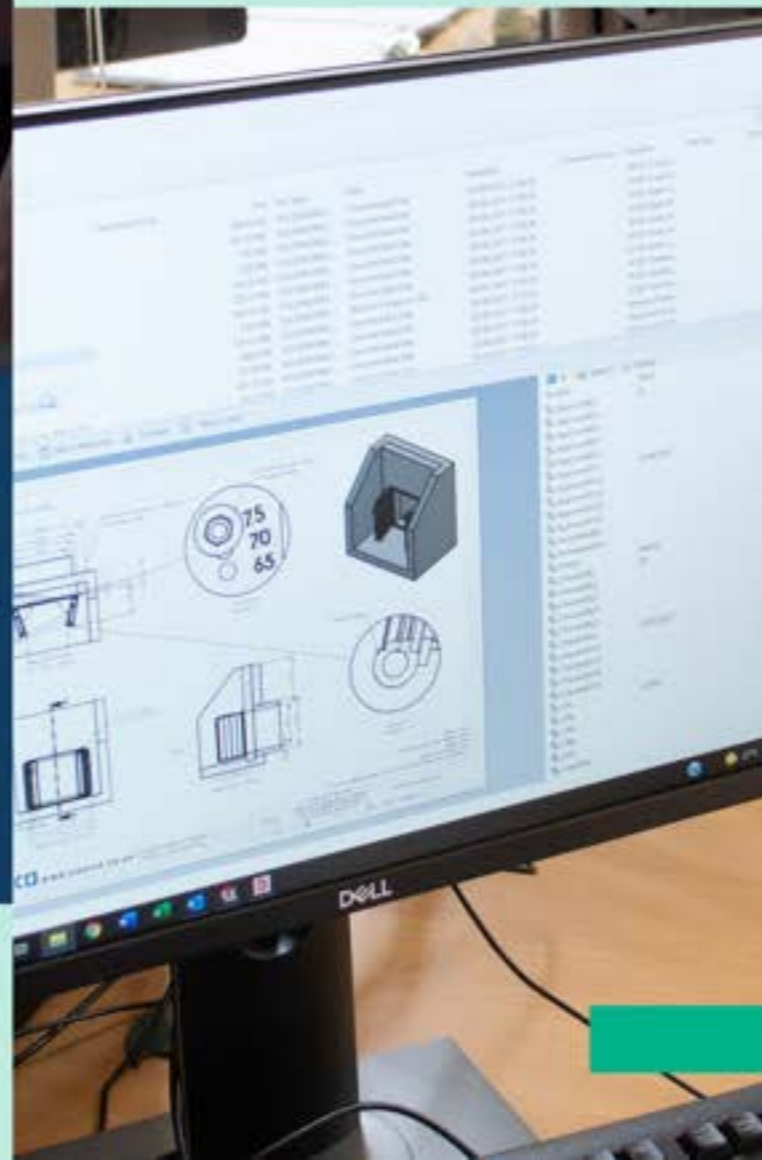
Supply Chain



Travel



Recycle



Knowledge Centre

For over 25 years, ACE have been delivering the finest quality products and services to the UK market.

Many of our team have been with us from the start and have been integral in the introduction of new technologies and methods of working to the industry. It is this knowledge and experience that has enabled ACE to grow to become the UK market leader that it is today.

Our Approach

At ACE we approach our projects in a way that best suits our clients. Through early engagement, design flexibility, innovative and forward thinking, you can rely on us and our specialist network.



Early Supplier Engagement

ACE have close links with many of our customers, with multiple relationships continuing for over ten years, ACE regularly demonstrate the importance of early involvement.

ACE work with numerous design consultants and end clients, directly liaising with designers, operators, managers, and specialists to ensure a good balance of features within our solution. Working with you during the first stages of your enquiry, will ensure that all parties understand the requirements of the project, suggesting improvements where appropriate, tailoring the package to suit your needs along the way.

Our Network of Industry Experts



INNOVATION

We promote forward thinking and improvement in all areas

Design Flexibility

Although ACE have a large range of standard equipment, we regularly develop new designs for our customer specifications; whether they are small tweaks to make installation simpler or to provide a fully bespoke solution to meet your needs. The materials we use are very flexible, allowing them to be manipulated to any shape or size, to add strength, fit existing structures, or purely for improved appearance.

ACE and our suppliers use the latest 3D CAD technology such as Solidworks, Autocad and Sketchup to visualise designs, check fit and produce accurate bills of materials and to model forces, which guarantees strength without excessive material. The use of 3D modelling also makes our designs very easy to communicate with our customers, giving an accurate impression of the proposed finished solution.

Our experienced team carry out detailed surveys, and will assist you with product selection, always offering the most practical solution in terms of operation, logistics of installation, maintenance, and value.

Our Offering

ACE have collaborated with our customers whilst growing our dedicated team, to provide tailored packages both large and small. We offer a friendly, personal and professional service, with the added capability to carry out turnkey projects.

AQUIKO

Over the years ACE's reputation and expertise has grown to being a Market leader in water flow control products. ACE have developed our own brand of water flow control products; AQUIKO.

It is this success that has driven the development of the AQUIKO product range, tailoring the new designs to suit the UK market. Years of ACE supplying and installing these products in the UK has enabled us to see lots of improvements for the HDPE and stainless-steel product. Through AQUIKO we can ensure these improvements in our products continue to innovate further.



Turnkey Solutions Provider

With two decades of experience in the Water industry, ACE have built up a strong supply chain of experts and wide-ranging knowledge in a variety of sectors. ACE now regularly manage multi-discipline projects, using both in house personnel and specialist contractors. ACE support our customers in CDM compliance, full packages including civil, mechanical, electrical, and hydraulic elements, design liaison and consultancy and quick response solutions. We tailor packages to suit your level of expertise and budget, allowing us to purely supply the mechanical equipment, or provide additional services, such as survey's (including underwater), installation, automation and control, inspection, and maintenance.

Installation Services

ACE has an in-house Operations team to provide additional peace of mind and specialist Installation services. Our installation is carried out by experienced and fully qualified site engineers, enabling the operation to be professionally executed.

As a minimum, our site engineers hold CSCS Safety cards and are trained in Confined Spaces Working. The Health and Safety skill set includes PASMA scaffold erection, IPAF Operator, Emergency First Aid at Work and Abrasive Wheels training to name a few. Our site supervisors have SSSTS/ SMSTS training supported by our own in-house NEBOSH and IOSH managers. ACE is also experienced at working in water and at height and can include the use of floating pontoons or workboats within our installation packages.



Project Managers

ACE has a team of highly trained and experienced project managers. Our project managers understand our clients' needs and regularly deliver multi-million pound projects to CDM regulations and specific iso accreditations.

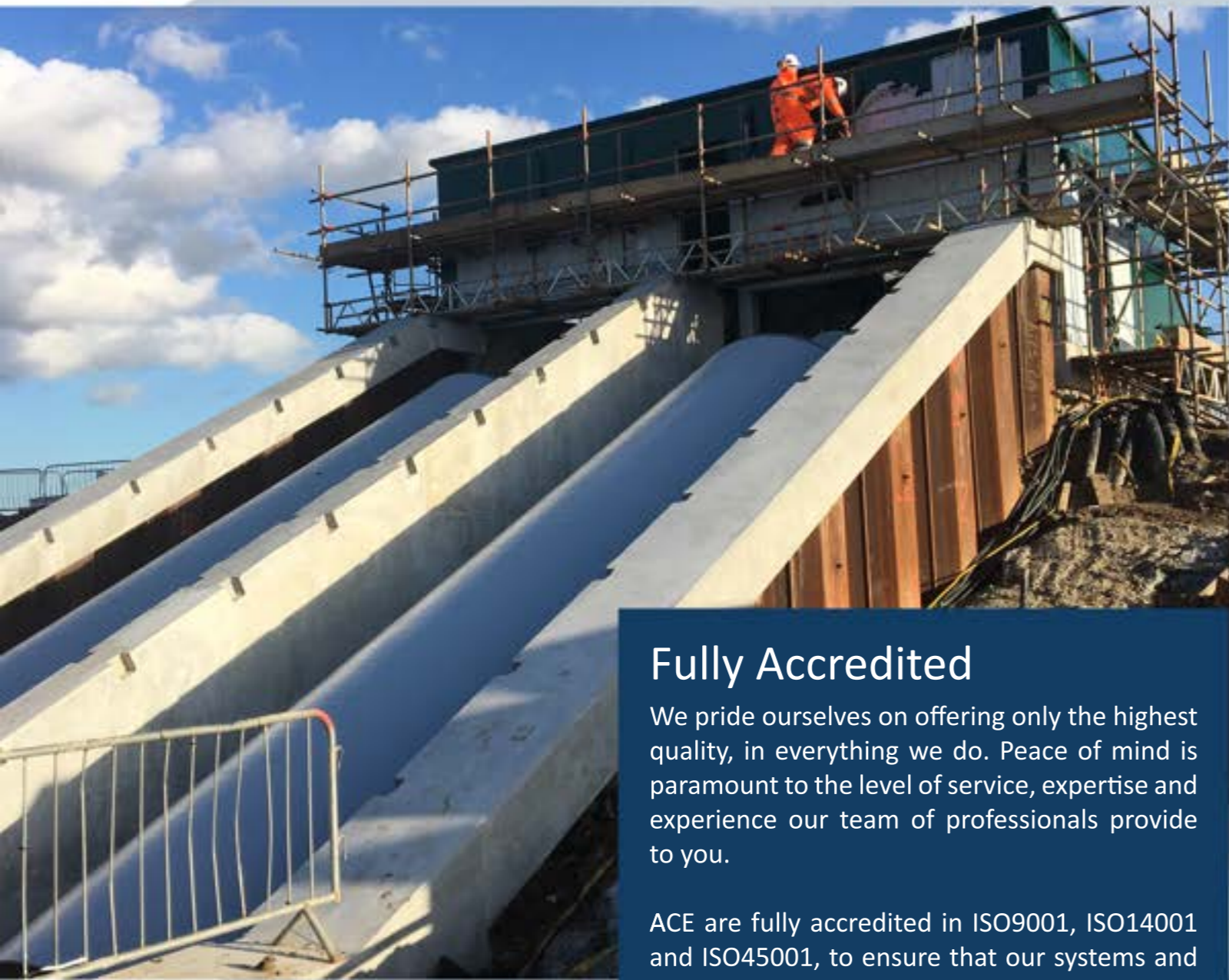
We believe in a collaborative approach with our customers and provide tailored packages both large and small. We offer a friendly, personal service and have the capability to carry out turnkey projects. This includes bespoke design, installation using our full-time site team, ancillary products and services such as control systems for automation. and full CDM co-ordination.

Our Values

ACE believe in working towards a joint vision, to meet your requirements that is driven by our core values. We pride ourselves on our accreditations and our environmental awareness with our inspires values at the heart of our organisation.

Our Accreditations

ACE always strives for the highest standards across every area of the business. Each year we invest time and resources into auditing key areas of our business to ensure that these standards are being upheld. This has led to us being awarded several key accreditations. ACE are certified with the following accreditations:



Fully Accredited

We pride ourselves on offering only the highest quality, in everything we do. Peace of mind is paramount to the level of service, expertise and experience our team of professionals provide to you.

ACE are fully accredited in ISO9001, ISO14001 and ISO45001, to ensure that our systems and processes guarantee products and services are the highest quality, 100% safe and sustainable. ACE go the extra mile where the quality of service is concerned, with in-house IOSH, NEBOSH and IEMA managers, and a continual training programme to ensure our personnel remain up to date on quality, safety and environmental legislation.

Our site personnel are trained at a minimum with CSCS/CPCS safety certification, Emergency First Aid at work and Confined Space Entry.



ACE work to a set of values - INSPIRES. The word itself sums up our company ethos.

- I** Innovation - Promote forward thinking and improvement
- N** Nature - Do no harm, and to promote conservation
- S** Safety - Work safely, protecting people and their environment
- P** Passion - Work with enthusiasm, going the extra mile
- I** Integrity - Stick to our promises, even when challenging
- R** Respect - Show respect to people and places
- E** Empowerment - Allow open exchange of ideas, give ownership
- S** Sustainability - Maintain a balance that ensures continual environmental, practical and financial strength

Our Vision

ACE believe in a future of delivering truly sustainable water management solutions. Sustainability is about providing a balanced social, environmental and economic solution to a problem.



Why We Do What We Do

ACE has always been at the forefront of innovation, supplying the water industry with high quality solutions. We have always focussed on sourcing materials with a low carbon footprint. Most notably, we were the first to introduce water flow control products manufactured out of HDPE and stainless steel to the UK industry, where traditionally, cast iron was used.

Implementing new innovations brings down the TOTEX costs, especially when comparing the extended durability of the products and the low maintenance requirements inherently linked to our material choices and design.

We deliver the TOTEX solution

At ACE we protect properties and water supplies whilst maintaining value for public services. We do this by delivering products and solutions that look at the whole life cost - TOTEX cost. All our projects are delivered by using the highest quality, reliable assets. Ensuring complete peace of mind for our clients.

We work together with our partners, customers, and stakeholders to ensure sustainable outcomes from our asset delivery. Working collaboratively ensures that all parties understand the requirements of the project, improvements can be suggested where appropriate and the package can be tailored along the way to best suit you and the environment.



We will achieve this through our INSPIRES Core Values

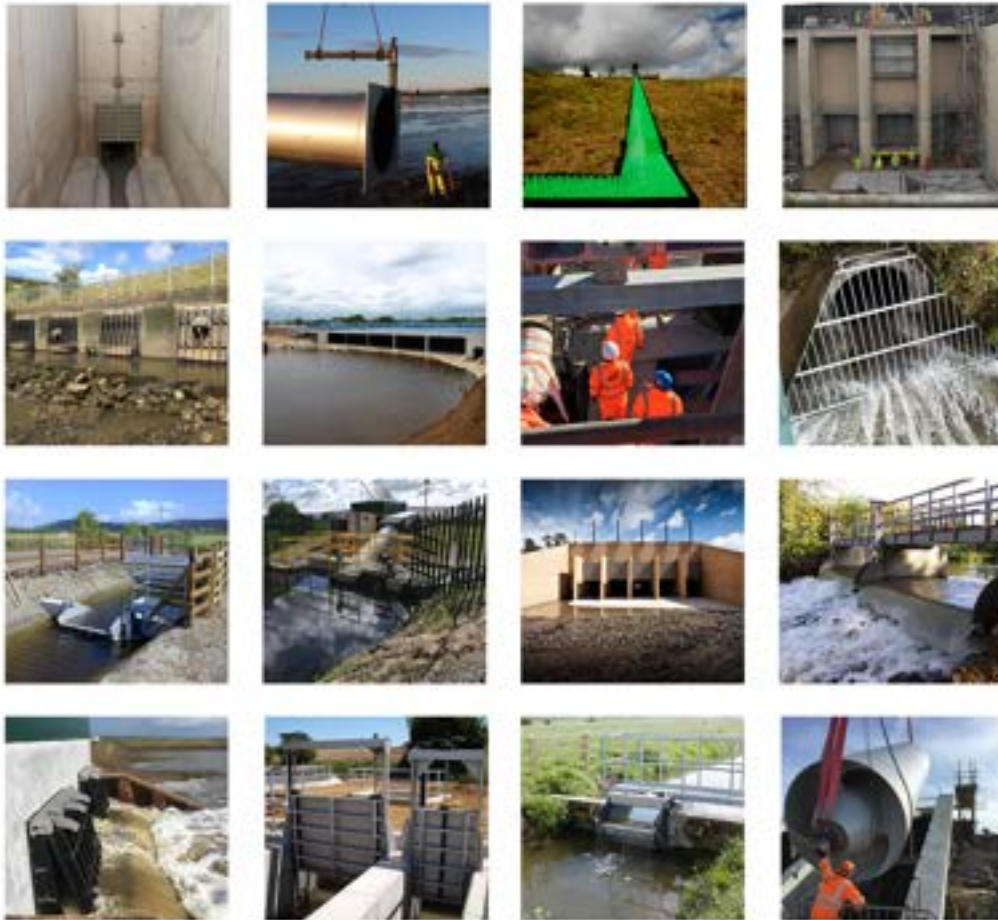
Environmentally Aware Products

ACE supply products which reduce the environmental impact.

We provide solutions using our product portfolio requiring minimal maintenance. Our solutions also offer maximum longevity, with low ongoing costs we guarantee smart, solutions within the water industry.

Quality project management is a key success at ACE. It's this specialist knowledge and our experience of the sector that ensures a right first-time approach. Using the decades of experience we have, incorporating our environmental principles and business values, we always deliver the right solution to our clients.





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