
Digital Operations

Insightful and dynamic operational transformation.

Delivering transformation through innovation, to enhance the future of industry.

iti

A woman with glasses is shown in profile, looking towards the right. She is wearing a dark top. In the background, there are several computer monitors displaying various data visualizations, including bar charts, line graphs, and a funnel chart. The entire scene is overlaid with a blue gradient that transitions from a darker shade on the left to a lighter shade on the right.

ITI is a technology partner to UK national infrastructure. We advance safe, secure and sustainable operations through the innovative use of technology.

At the heart of ITI is a complete commitment to innovation and transformation. Our people are practical, insightful and dynamic with a personal approach.

We act responsibly, focusing on safety and security, working with integrity at all times to deliver excellence through collaboration, experience and know-how.

Our legacy in Digital Operations

Since 1972, we have developed and integrated innovative digital operations solutions that advance the management, security and function of facilities deemed critical to the UK's future. We're the trusted digital operations partner to operators across nuclear, oil and gas, renewables, transmission and distribution, and defence.

By enabling better use of data, and improved monitoring and analysis, we provide the opportunity to enhance operations over the complete lifecycle of national infrastructure assets. We help to establish trusted automation and data-driven operations that deliver long-lasting benefits, and challenge the norm to make a real difference.

We are an industry leader in the creation of new, high quality digital solutions that enable the world's most demanding clients to embrace and benefit from the 4th Industrial Revolution.



**Realising the
power of your data**

Choose innovation, experience and collaboration, to advance your future.

We understand the power of your data. We have the technology and experience to help you harness, interpret and act on the insights it can give you. Helping you to transform your future, by bringing higher returns in productivity and profit.

We work across a range of sectors with major owners, operators and contractors throughout the supply chain, building long-term relationships with all our clients. We possess a deep knowledge of national infrastructure, operating environments and regulation, and are committed to delivering excellence.

We upgrade customers' systems, to provide tangible improvements to their operations, improve safety, increase lifespan of assets, add new functionality, help increase production, and reduce operational expenditure.



We work with customers, government agencies and regulators to aggressively reduce carbon emissions and work towards carbon neutrality.

Our goal is to help you to improve efficiency at the right price, while supporting decarbonisation; ultimately helping your operations to remain competitive both now, and in the future.

Our people are all talented, qualified individuals driven to make a difference. They possess deep end-to-end experience of how your data can transform your future. They provide advice and thought leadership on ways to leverage your data to improve performance, enhance control, assure safe working, and respond to events and emergencies.



Why choose us?

We have a proven knowledge of what works and what is possible. With the commitment to understand your operations and the creativity to enact meaningful change.



We're responsible, collaborative and effective.

We have a proven track record in delivering significant ROI for major blue chip clients.

Solving complex problems and overcoming daunting challenges is our day job. With our support, you can meet tightening regulations and standards.

With a commitment to delivering excellence, we apply our knowledge of national infrastructure, operating environments and digital transformation. We have the authority, experience and creativity to help you understand what is possible, and achieve it.



We're agile, responsive and ready.

We will ensure that you avoid the pitfalls and take the necessary steps to success.

Our strategic geographical bases around the UK mean we can deliver transformative solutions efficiently and effectively. We're ready to deliver on a local level and national scale, and are proud of our capability to provide reliable and continuous services, and seamless industry-wide support.

When you choose us, you can reap the benefits of efficiency, performance and functionality that the latest technology delivers.





Our people are innovative, experienced and hard working.

They will help you transform your business, through a capability maturity model that will provide exponential benefits over time.

They know national infrastructure, and are committed to the hard work it takes to make it fit for the future. Our engineers combine experience with invention, and integrate transformative solutions in order to enhance the work you do.

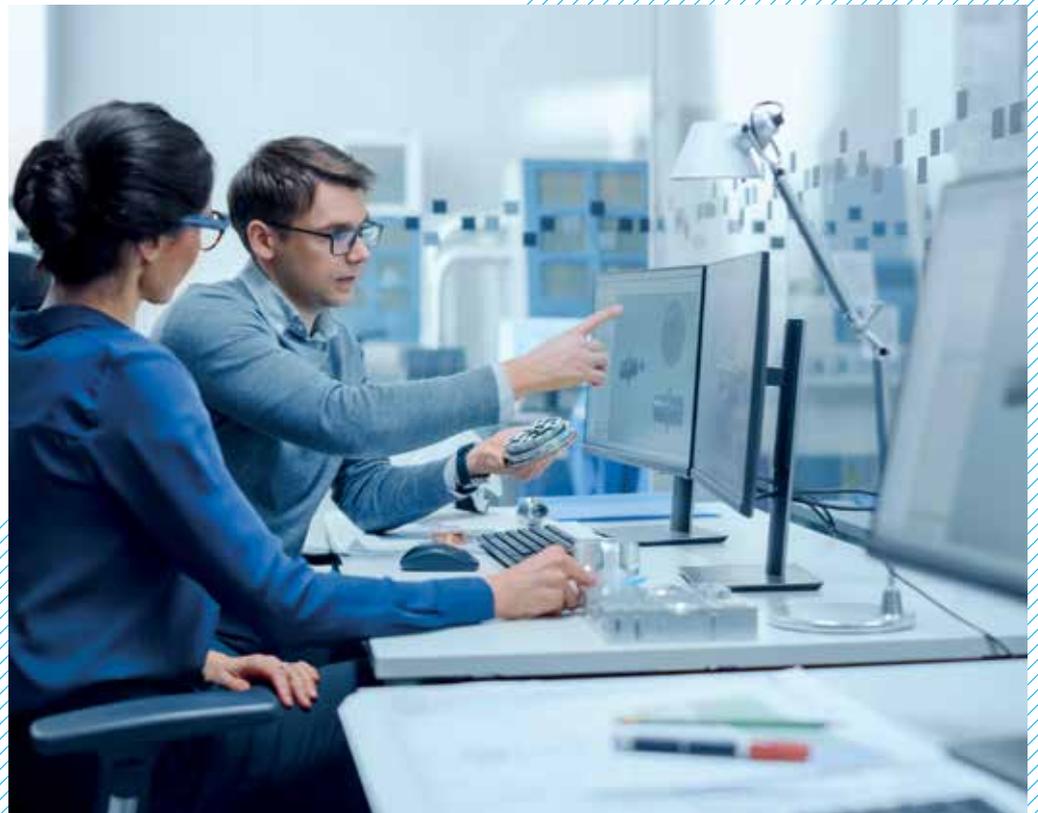
They go to great lengths to fully understand your process and operational requirements, to provide systems that protect your interests, and deliver the information that you need, as you need it - with the commitment to delivering on budget, and on time.

Our people will collaborate with your teams, combining the vital details at the heart of your operations with the bigger picture, delivering joined-up-solutions with joined-up-thinking; so that when you embark on the next step in your digital transformation journey, you can be assured that the result will have a true impact on your operations.

They are the sharp minds, and safe hands.

Our people are industry-leading, skilled and highly accredited. They have extensive, proven experience of designing and implementing secure, reliable and scalable digital operations solutions.

They are trusted to build and deliver data-driven, transformative solutions to highly complex operational challenges and have the drive to continuously exceed customer expectations.



Your data, can transform your future.



Evolving technology has opened up a world of opportunity to transform industry, reduce costs, improve operations and increase productivity, whilst enabling the transition to a carbon-neutral world.

For those organisations looking to innovate and get ahead of the competition, the most beneficial place to start, is with their data.

Having the right systems and processes in place to make best use of your data can help you to operate with greater intelligence. Bringing higher returns in productivity and profit.

The opportunities for organisational growth, operational efficiency and financial returns are very real, but only if you get it right. You need an experienced partner, with a proven knowledge of what works, and what is possible. Our people have the patience to understand your operations, and the creativity to develop the solutions that will be the most effective for your industry, assets and project.

With our long term support, our solutions can help you to achieve meaningful improvements to your operations:

- Identify and reduce inefficiencies
- Save time
- Lower costs
- Optimise the use of all resources
- Increase productivity
- Predict future output and deadlines
- Discover room for improvement
- Enable planned preventative maintenance
- Minimise downtime
- Align with changing regulations
- Uncover insights to help reduce future CAPEX
- Empower more employees to use digital tools
- Create margins over the competition
- Transfer the benefits to your customers

Digital Transformation

Commit to Capability Maturity, and enhance your future.

The goal of digital transformation is to turn your data into meaningful change. If you're considering embarking on a digital intelligence transformation programme, you should have a reason for it. This could be financial, operational or safety-related; but any investment in digitalisation should be geared toward specific improvements.

We'll work with you, focusing on one strategic problem or set of problems at the beginning, delivering initial results and building from there. This is what is known as a capability maturity model, and it underpins our approach to helping our clients transform their operations. Most of our customers see ROI within a few months, all of them within a year.

A digital transformation strategy is a journey, not a destination. Successful evolution comes from a solid foundation. We'll help you implement the correct building blocks of a solid but flexible digital platform to support your developing infrastructure.

Our way of working, and the solutions we deliver, will ensure that you reap the immediate benefits, and capture long-term value.



Transforming your future, together.

It can be a daunting challenge establishing what you have, what you need and what you are able to achieve. To find those answers, and then coordinate all your teams, systems and processes to ensure that the plan becomes reality, you need a partner who understands your operations.

Our years of experience mean that we've evolved along with the technology, so we know what it takes to help your business continue to prosper.

We will work with you as part of your team, supporting you to develop your systems to bring about change that will deliver results for your business.

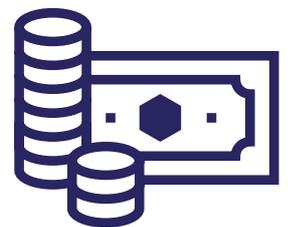
Our clients reap the benefits of our expertise in consolidating, optimising and visualising their data. It enables them to increase their digital intelligence and enables them to turn raw information into tangible results. To take action on the analysis, streamlining the way they work. Achieving better results, with minimised downtime and improved production.



Minimised Downtime
Spot equipment issues
before failures occur



Improved Productivity
Make optimal use of
all resources



Greater cash flow
Dramatically reduce
operational expenditure
through process
efficiencies

Real-time Information Systems

We set the pace in intelligent industry.

We're an award winning supplier of real-time information systems, with a proven track record of designing and implementing performance-enhancing solutions for major energy companies and national infrastructure.

Optimise your operations, with informed, immediate actions.

Our systems monitor client operations, and deliver accurate information in real-time. They also enable analysis and optimisation of industrial processes, delivering demonstrable return on investment through proven reduction in OPEX.

Our industry-leading engineers will create visualisations of your real time data that are instantly meaningful to your operators, so that you can act faster and with greater confidence to improve operational efficiency, safety and performance.

Our platform of choice for real-time information is the OSIsoft PI System. Its highly scalable, open data infrastructure, when configured using our skills and experience, can transform your operational data into actionable knowledge, and enhance your future.



The OSIsoft PI System®

The OSIsoft PI System® is the world's leading operational, event and real-time data management infrastructure. It has the ability to reliably store, structure and model large quantities of business-critical, historical process data, from multiple sources.

The PI system is highly scalable. Allowing experienced integration engineers to turn your operational data into actionable intelligence, and business transformation. We have a long-standing working relationship with OSIsoft, as a worldwide systems integration partner.

We have over 25 years of experience with the PI System. In that time it has emerged as the world's leading operational, event and real-time data management infrastructure, and has established itself as the de-facto standard for reliable business-critical databases, capable of storing large quantities of historical process data.



We were the first Premier Partner of OSIsoft in the UK, and have the largest number of accredited PI System Engineers. This expertise enables us to provide:

- Business and technical consultancy in the design of real-time process management systems
- PI System configuration
- Interfacing of external systems to the PI System
- Development of PI Vision displays and reports
- Development of layered applications
- 24/7/365 support, service and maintenance

Whether you're already using the PI System and want to find out what else you can do with it, or whether you're looking to implement a new system, our expert engineers are here to help.

OSIsoft PI System Audits

What impact can our OSIsoft PI System Audits have on your operations?

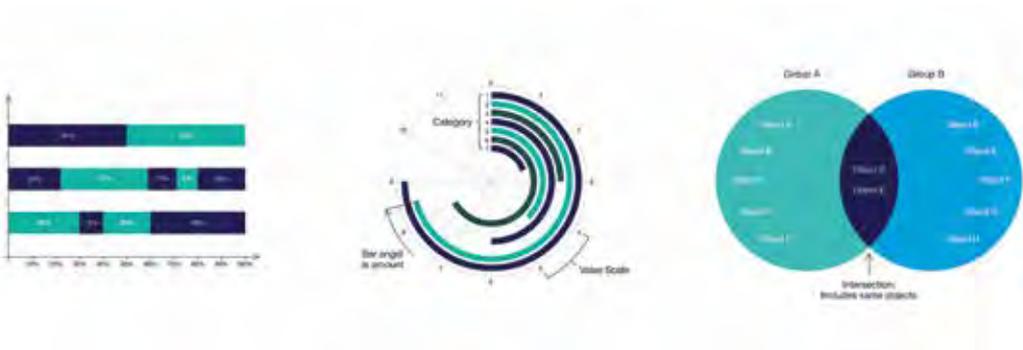
We can give you an accurate insight into the health and functionality of your system. If there are any issues, we'll identify them, and provide you with recommendations for improvement. Our audits can help you to save time and money, through enabling more efficient operations.

How accurate is the output from your PI System?

If you have issues anywhere in the processing of your data, then your operations could be missing important insights or working with inaccurate information. The difference between high and low quality information could add up to significant production, and therefore financial, losses.

Are you maximising the functionality of your system?

- Unnecessarily complicated systems make maintenance and upgrades riskier and more costly. Missed opportunities might mean security or legal compliance oversights.
- Unnecessary data storage and unused licenses cost money. Unused functionality means you could be missing out on valuable optimisation of your operations, when you're already paying for it.



Our audits consist of a strategic review of your PI System, covering:

- PI System Sizing & Performance Monitoring
- Key Interface Configuration
- PI System Security (Architecture, PI Firewalls, PI Trusts, Identities, Users, Groups, and Mappings)
- PI System Errors and Warnings
- Analysis of current backup procedures
- Tag configurations, Classes, Types, Naming Conventions, Best Practices
- Analysis of Compression settings
- Identification of tags that are consuming licensed resources unnecessarily.

We'll deliver more than an audit.

For each PI System audit, you will receive a 30-40 page report, complete with prioritised recommendations and improvements, presented by our PI System experts to your key users and stakeholders so that you can fully understand the findings.

We're committed to enhancing your future.

Once we've helped you implement the most significant improvements to your systems, we don't just walk away. We will continue to support you, working with your teams to undertake ongoing monitoring and continuous improvements, providing you with improved efficiency and reduced OPEX.

OSIsoft PI System Training

The vast capabilities of the PI System provide huge opportunity, meaning that the more knowledge your users have of the system, the more possibilities you can realise. If your users aren't fully aware of the capabilities of your PI System, you risk losing valuable insights, and missing opportunities to enhance production and your bottom line.

Transformative Training.

We can deliver the right training to ensure that your users have the skills required to use the system effectively in order to transform usage, and achieve the outcomes you need.

We support many different users across the energy and infrastructure markets, so we also understand your needs, your system, and how it can be used to best meet your needs.

Our team of engineers are experienced in delivering focused training on all aspects of the OSIsoft PI System. Whether you need a basic user course, or a specific package tailored to your own system configuration and your particular operational and strategic needs, we can provide a training course to suit you.

Our courses can be conducted in-house or remotely, depending on your needs and budget and we offer group sessions as well as one-to-one training, ensuring your users get all the information they need in order to confidently operate your PI System optimally.



We advance safe, secure and sustainable national infrastructure through the innovative use of technology.

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