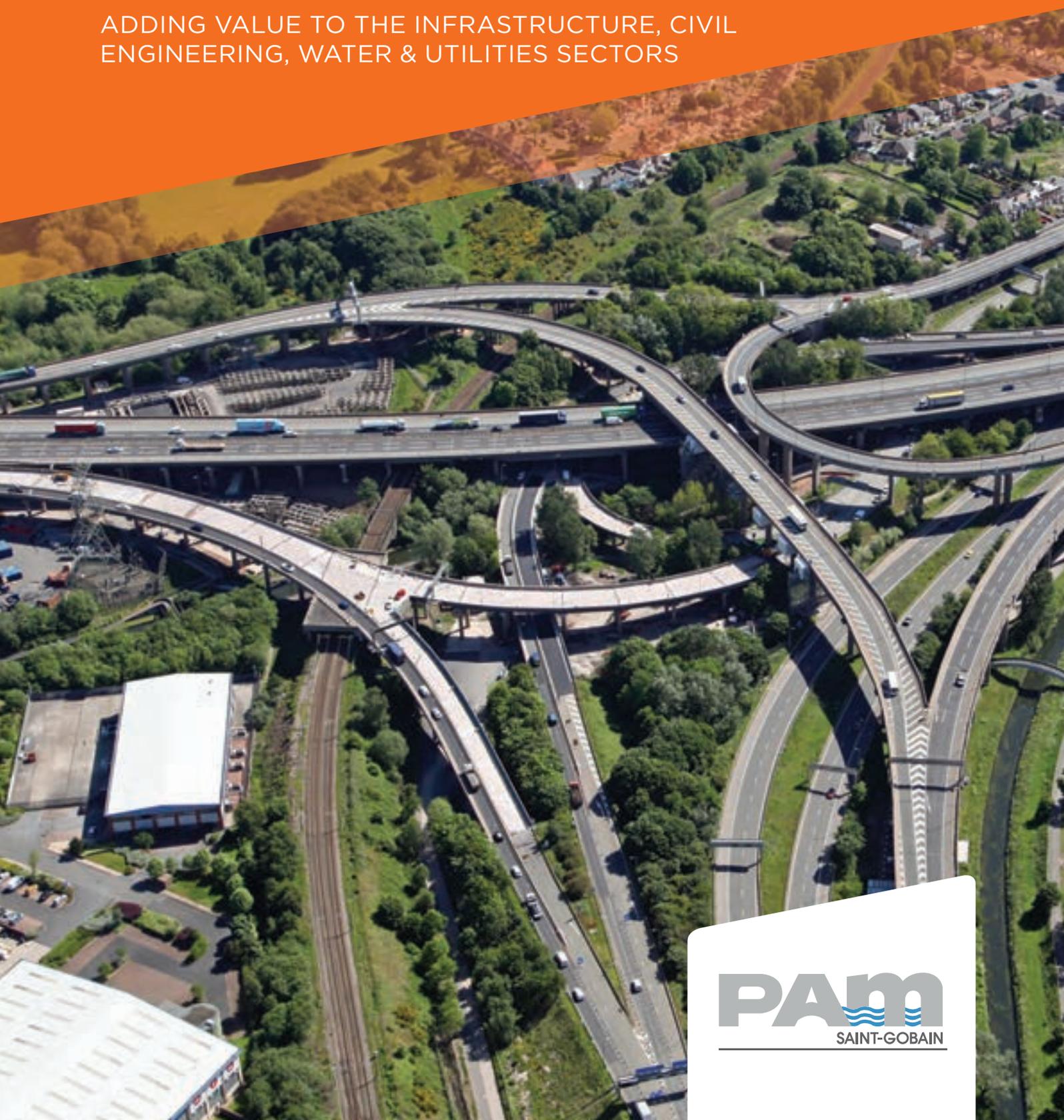


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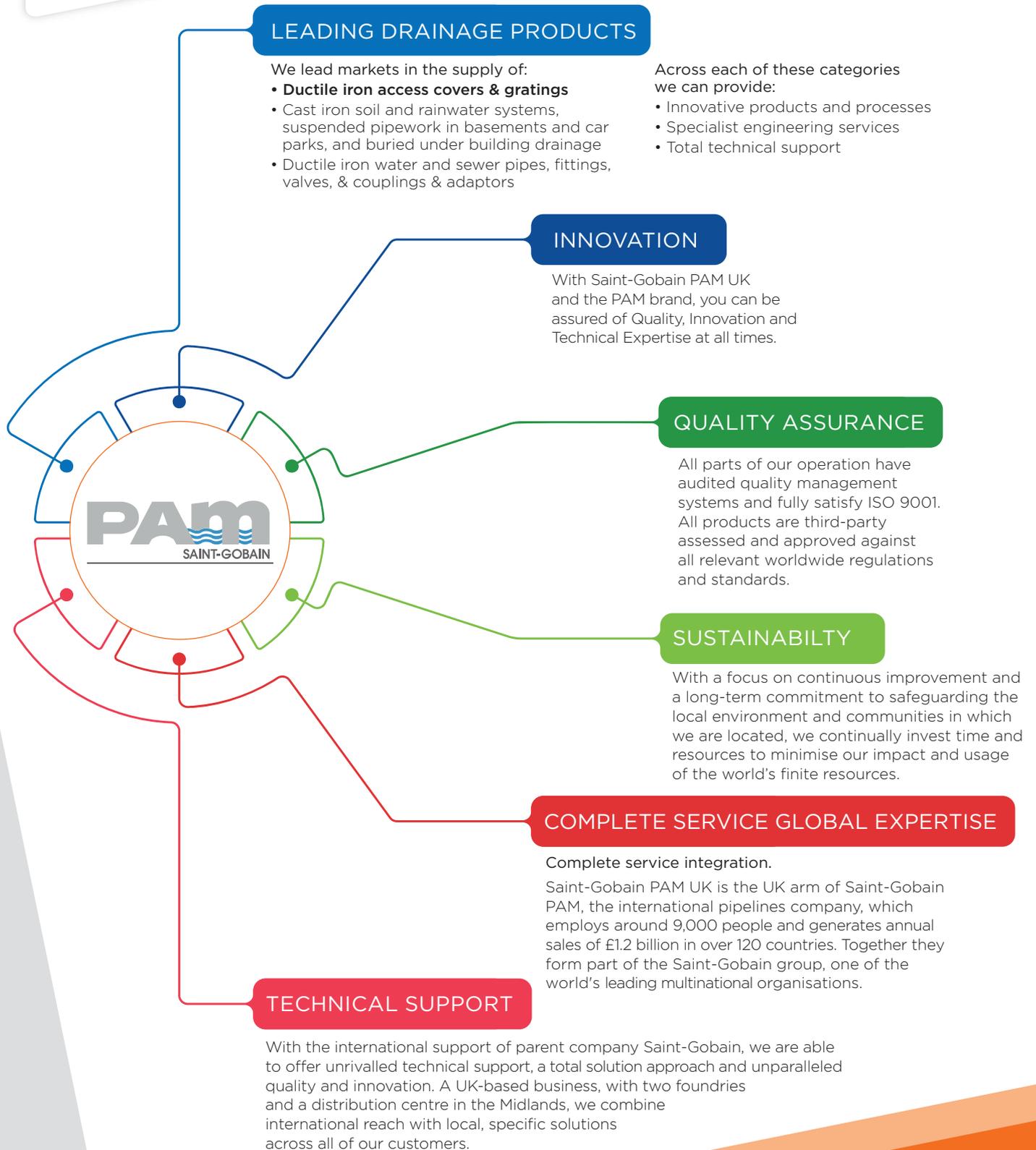
Innovative Ductile Iron Access Cover and Grating Solutions

ADDING VALUE TO THE INFRASTRUCTURE, CIVIL
ENGINEERING, WATER & UTILITIES SECTORS



PAM
SAINT-GOBAIN

With access to worldwide technical expertise and an extensive portfolio of products, Saint-Gobain PAM UK is able to combine the benefits of being part of a global organisation with the ability to develop solutions to satisfy local requirements.





The Saint-Gobain PAM range of ductile iron access covers and gratings is the first choice solution for clients within the Infrastructure, Water and Utilities sectors. With the aim of contributing to the reduction of whole life costs, the PAM range offers enhanced performance in key areas such as durability, safety and security.

Durability

The specification and installation of assets that offer predictable performance are vital if the costs and disruption caused by streetworks are to be avoided. Through our involvement in a Nottingham University-led research programme, we have gained a valuable insight into how ironwork interacts with the surrounding road construction. By combining critical elements in the design, engineering and manufacture of our products, we can ensure and enhance long-term performance.

Safety

The development of a comprehensive range of hinged access covers and gully grates helps minimise the risk of injury through static lifting of ironwork. Studies have demonstrated that by using hinged solutions, the required lifting effort is reduced by 50%.



Security

The provision of flexible anti-theft solutions act as a deterrent against theft, unauthorised access or vandalism and can be tailored to individual requirements.

PAM Ductile Iron Access Cover and Grating Ranges

Saint-Gobain PAM UK manufactures over 300 products to suit a wide variety of applications and uses. Produced at our foundry in Melton Mowbray, all our access covers and gratings are third-party accredited and kitemarked to ensure full compliance with all European, British and industry standards.

Access Covers

Our access covers are the preferred choice of utilities, telecoms and highways sectors. We manufacture a comprehensive range for both carriageway and pedestrian areas that are engineered to meet the needs of all stakeholders, with particular emphasis on durability, operator and road user safety, ease of use and security. Available in over 60 different clear opening sizes and in load classifications from F900 to B125, there is a solution for many applications.



Gully Gratings



Growth in traffic speed and density coupled with ever-changing climatic conditions is placing greater emphasis of the need to install high-performance, problem-free drainage solutions. We combine in-depth market knowledge with enhanced features that aid in the reduction of future maintenance and improved water clearing capacity. Ranges are available from F900 to B125 load classifications and in a wide choice of clear openings and waterway areas to cope with even the highest volumes of surface water run-off for all road types.



Kerb Drainage

Complementing our gully gratings, our kerb drainage range offers increased choice for both urban and rural installations. Offering ease of access, security and the ability to be placed within the kerb line, all our kerb drainage products provide an alternative to traditional gully construction.



Surface Boxes



Designed to offer fast and easy access to below-ground services, all of our surface boxes are compliant with BS5834 surface boxes, guards and underground chambers for the purposes of utilities. The Warrior range has long been the solution of choice within the utilities sector, providing over 20 years of trouble-free performance with in excess of 1 million installed in the UK so far.

Channel Gratings

Suitable for linear drainage systems, our channel gratings are available in E600 to C250 load classifications and in various widths. Each has bearer bars available to aid installation when using in conjunction with concrete channels formed on-site.



Proud of our UK Manufacturing Heritage

Saint-Gobain PAM UK at its foundry near Melton Mowbray in Leicestershire remains at the forefront of the design and manufacturing of high-performance ductile iron access cover and grating solutions for the Infrastructure, Civil Engineering, Water & Utilities Sectors.



SYSTEM, PRODUCT AND SUSTAINABILITY ACCREDITATION

BS EN ISO 9001	Quality management systems kitemark licence number FM12908
BS EN ISO 14001	Environmental management systems kitemark licence number EMS83973
OHAS 18001	Health & Safety Management Systems kitemark licence number OHS 570684
CEMARS	Certified Emissions Measurement And Reduction Scheme Certificate number 2016053J

CEMARS certification demonstrates the Company's commitment to measuring, managing and reducing greenhouse gas emissions in a robust and credible way.

BES6001	Responsible sourcing of construction materials kitemark licence number BES613621
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Product Certification	EN124 Access Covers and gratings kitemark licence number KM30794
	BS5834 Pt 2 Specification for small surface boxes kitemark licence number KM07199
	BS5843 Pt 3 Specification for large surface boxes kitemark licence number KM14164



FM12908



EMS83973



Our Commitment to Sustainability

In the manufacture of our products, Saint-Gobain PAM UK is a major recycler of ferrous scrap and wherever possible sources other raw materials that are themselves the waste or by-products of other industrial processes. By doing this we minimise our impact on the environment and usage of the world's finite resources. Products manufactured at Holwell contain 98% recycled materials and are themselves 100% recyclable.



Environmental Accreditation



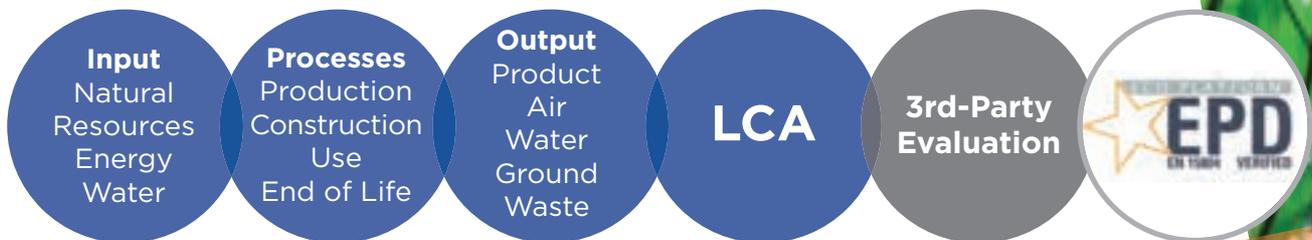
Saint-Gobain PAM UK has a long-term commitment to safeguard the future of our local environment and to this end is audited and/or kitemarked in accordance with several stringent national and international environmental standards and initiatives.

We Understand our Products' Full Life Cycle

We utilise the data obtained from the life-cycle analysis to identify areas where we can continuously improve, and adopting eco-innovation and eco-design principles allows us to focus our activity on mitigating our impact on the environment.

Protecting the environment means understanding and improving our activity across a product or system's life cycle.

The introduction of the Life Cycle Assessment (LCA) helps Saint-Gobain PAM UK to deliver this.



Infrastructure Carbon Review

Saint-Gobain PAM UK has joined other major industry leaders and government ministers to sign up to the Infrastructure Carbon Review (ICR). The aim of the joint initiative is to reduce carbon in infrastructure, which could save as much as 24 million tonnes of carbon and £1.46 billion a year in the UK by 2050.

As an ICR signatory, Saint-Gobain PAM UK has committed to reduce its carbon emissions by half by 2025, alongside a stated aim of engaging with its employees, suppliers and customers to inspire a one planet future.

Services and Capabilities

Saint-Gobain PAM UK has invested in a comprehensive range of support tools and in-house capabilities to aid in the appropriate product specification, identification, selection and installation.

These include:

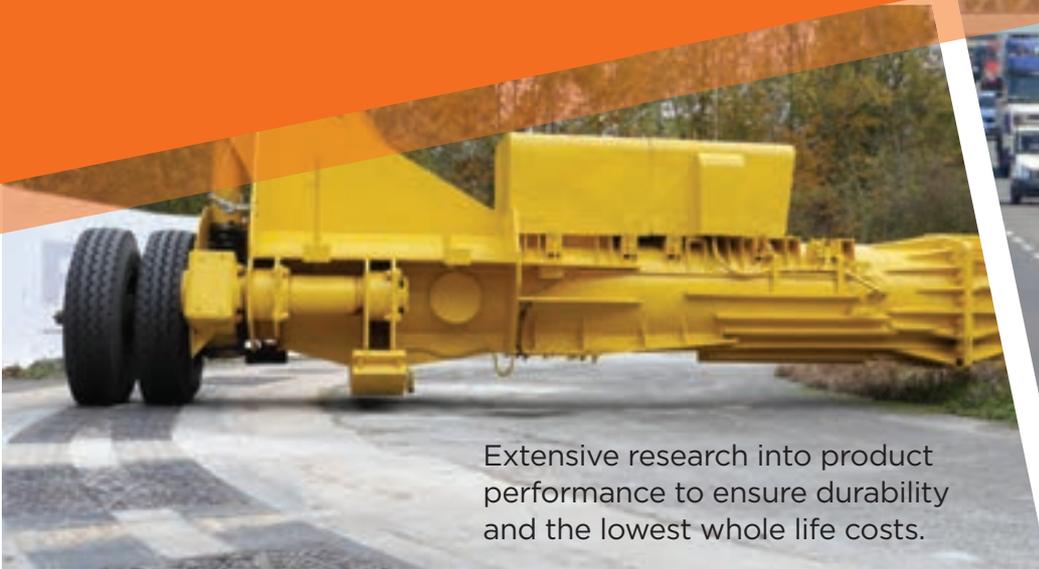


The largest choice of badging options either standard or bespoke to aid asset identification. Example above.



The development of a series of training aids and CPD presentations focusing on key elements such as standards and specification.

Innovative solutions to help promote right first time installation methods, reducing costs and saving time.



Extensive research into product performance to ensure durability and the lowest whole life costs.

The development of a wide range of products that include anti-theft and anti-vandalism features to protect valuable assets, ranging from simple but effective locking options through to LPCB third-party certified security solutions.



You also have the added confidence that all of our products and services are fully supported by our Technical Team, who are able to offer advice and guidance on-site, by phone or email on installation guidance, product operation or any other technical query.



For further information relating to any of our extensive product range or services please visit www.saint-gobain-pam.co.uk or contact us on **01159 305 000**

CASE STUDIES

Creating Value Through Collaboration

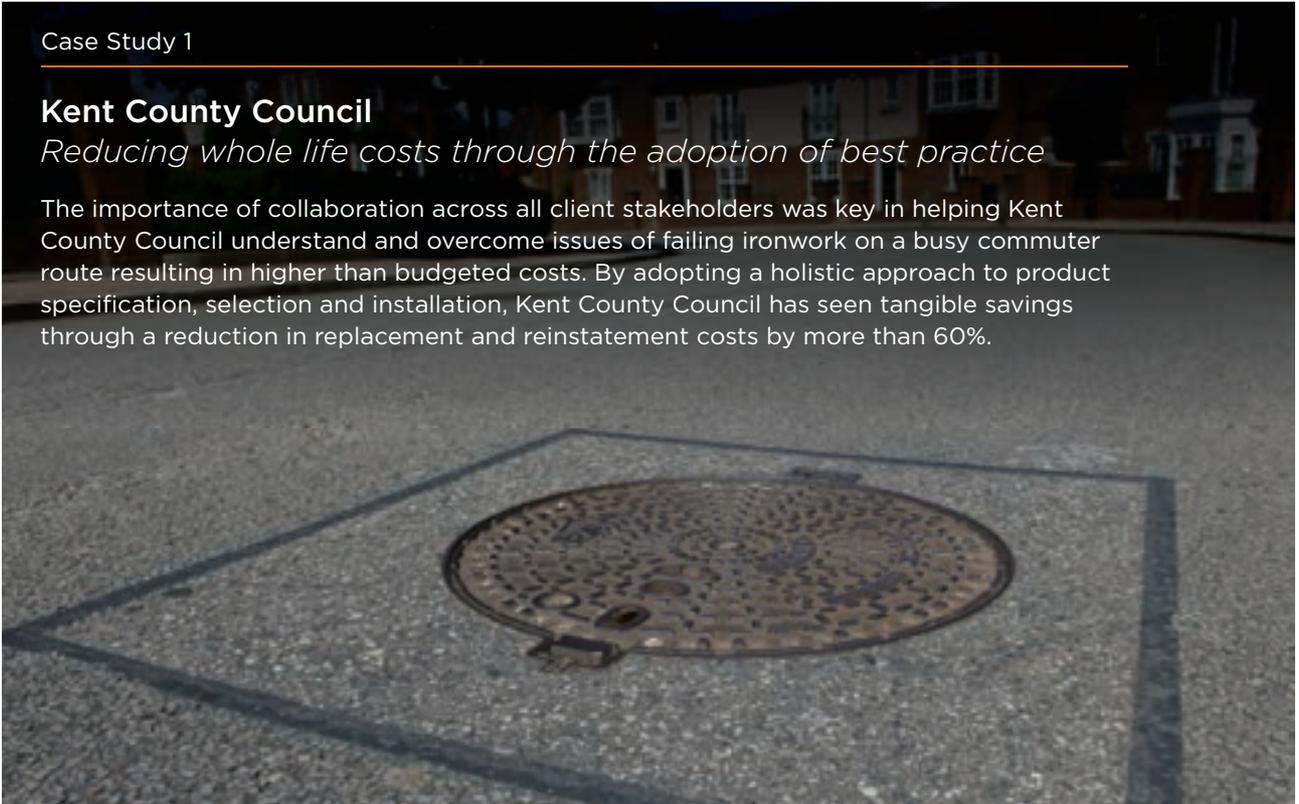
We routinely collaborate across industry sectors, which leads to the development of solutions and best practice that when combined deliver tangible value for our customers. We define the needs of the sector and its stakeholders and jointly create solutions based on the customer's desired outcomes.

Case Study 1

Kent County Council

Reducing whole life costs through the adoption of best practice

The importance of collaboration across all client stakeholders was key in helping Kent County Council understand and overcome issues of failing ironwork on a busy commuter route resulting in higher than budgeted costs. By adopting a holistic approach to product specification, selection and installation, Kent County Council has seen tangible savings through a reduction in replacement and reinstatement costs by more than 60%.



Case Study 2

MWay Communications Ltd

*Contributing to Highways
England's efficiency targets*

Developments in off-site solutions such as the Integrated Access Chamber Cover slab have allowed the M60 and M3 Smart Motorway Projects to make significant improvements to every aspect of the works by applying LEAN techniques to the traditional construction process. Benefits include saving approximately 9,600 manual handling activities, 6,000 miles of plant movements, 4,800m of timber shuttering and 6,400 man hours.



Case Study 3

Surrey County Council

Improving road safety by reducing the risk of flooding

Combining shared expertise and an innovative approach to design has resulted in the development of a solution to prevent flooding. The large capacity “super gully” provides a system that, once installed, is able to cope with high surface water flow and have a much greater silt capacity than traditional gully construction. These features will enable improved water dispersal, eliminating flooding and reducing accidents throughout the year.



Case Study 4

Transport for London

Improving cyclist and pedestrian safety

Working with Transport for London, Saint-Gobain PAM UK has developed a new cycle-friendly drainage grating to improve cycle and pedestrian safety. It features a grid mesh design that is safer for cyclists, but still ensures that surface water is efficiently drained through its large waterway area. Ivan Bennet, Senior Industrial Product Designer for Transport for London, stated “A number of modern road bikes have very narrow wheels and a risk assessment identified a possible hazard where wheels could get stuck in drainage gratings. Saint-Gobain PAM UK worked with us to develop a solution which is now being installed.”



Saint-Gobain PAM UK is continuing to engage stakeholders from across various industry sectors: these case studies are just a few examples of how we have added value. If you would like to understand more about how this approach can benefit your organisation, please get in contact.



Please visit our website:

www.saint-gobain-pam.co.uk
to download electronic versions
or to request hard copies of any
of our brochures.

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The information given in this literature is, to the best of our knowledge, correct at the time of going to print. However, Saint-Gobain PAM UK is constantly looking at ways of improving its products and services and therefore reserves the right to change, without prior notice, any of the data contained in this publication. Any orders placed will be subject to our Standard Conditions of Sale, available on request.

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Products and services available from Saint-Gobain PAM UK:



Timesaver Specifiers Manual

Cast iron above and below ground drainage systems Kitemarked approved to BS 416 part 2 and BS 437.



Ensign & Eezi-Fit Cast Iron Drainage

Cast iron above and below ground drainage systems Kitemarked approved to BS EN877.



VortX Floor Drainage

A new generation of roof and floor drainage products designed in accordance with BS EN 1253.



VortX Steel Channels

A range of stainless steel floor gullies and channels for commercial and public buildings.



Access Covers and Gratings

UK-manufactured high-performing and innovative ductile iron access covers and grating solutions.



Water and Sewer

Ductile iron pipes & fittings for portable water and sewerage applications.

Local Distributor