smart
architectural aluminium

Proud members of MADE IN BRITAIN

Responsible Sourcing 2024

from the UK's leading supplier of aluminium systems

We're working towards a smarter and more

SUSTAINABLE FUTURE

Over the past forty years, Smart has grown to become the UK's leading supplier of aluminium systems and bespoke aluminium extrusions, building a reputation for both the quality of its products and its product innovation, design and technical expertise.

Our products and systems are proven in a wide range of new-build and refurbishment projects throughout the UK, spanning the complete range of commercial, public sector and residential applications.

Based in Yatton, North Somerset, our purpose built premises house state-of-the-art extrusion, finishing, manufacturing, warehousing and distribution facilities. Our own fleet of lorries makes daily deliveries to a network of fabricators and installers across the UK. Employing around 600 people, we have an annual turnover in excess of £120 million.

✦

We're committed to be amongst the most sustainable and responsibly sourced aluminium profile companies in the UK

75%

OF ALUMINIUM

ever made is still in use today, 40% of which has already been recycled.

5%

OF THE TOTAL ENERGY USED

to produce aluminium is required to recycle it

Enabling employees to advance and

DEVELOPING POTENTIAL

We employ around 600 people at our Yatton site. Whilst most of our employees live within a 15-mile radius, we have a diverse and inclusive workforce, with colleagues hailing from across the UK, Europe and beyond.

Where possible, we seek to develop and promote employees within the business, with advancements to supervisory and management roles, the development of technical skills and apprenticeships.

Our team leaders are empowered to identify training needs and develop potential, enabling people to grow and develop organically without the pressure of 'management involvement'. When a training need is identified, if it is appropriate and practical, it is addressed by third party training, delivering certification for the trainee and aiding their continuing professional development.

Our people are the heart of our business, which over the last 40 years has grown to become the leading supplier of aluminium systems in the UK

We take extra precautions to protect OUR EMPLOYEES & LOCAL COMMUNITIES

We are aware that we operate in a business environment where the potential for business ethics to be violated or breached exists.

Whilst we are able to operate with a large degree of freedom, we are bound not only by our own ethics, but also by those of our parent company, Corialis.

On completion of their induction, each employee signs a group-wide code of conduct, in which they are expected to follow the established Whistleblowing Policy, should the need arise.

The risk associated with bribery and corruption is assessed by the business regularly, to ensure legal and ethical compliance.

Our workforce is around 600 people of which 90% live within a 10 mile radius of our facility

Local communities

As one of the largest local employers and the most active manufacturing facility in the area, we realise that our activities can have both positive and negative impacts on the local community.

We are proud to support local companies where possible and practical, including catering, consultancy, technical services, hotels and transport businesses.

The nature of our operation makes it difficult for us to host groups of local stakeholders, however through meetings and consultations, we have involved the community at each stage of our site development.

As with any relationship, there are times when parties disagree, and we treat any community complaint with the same degree of seriousness and level of importance as we would if it were from a customer or regulator.

OUR 360° APPROACH

We are fully committed to working towards a cleaner, more sustainable environment. From the procurement of raw materials to the delivery of finished goods we ensure every aspect of our activities is conducted in accordance with UK legislation and leading environmental practices.

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We aim to promote an understanding of environmental issues among our staff, customers, suppliers, and stakeholders, in relation to our business. Our common goal is to ensure we continually improve the environmental impact of all our activities.

Our pursuit in minimising our environmental impacts is integral to the success of our Environmental Management System. Smart has been an certified to ISO 14001 since 2011, and endeavours to show continual improvements and investments in product efficiency, waste capture, recycling, and sustainable power generation.

We capture and store up to **900,000 litres** of rainwater for re-use in production

We're continually improving our range of **renewable energy** sources

100%

RESPONSIBILITY SOURCED

We source of aluminium from the leading low carbon, responsible suppliers

We ensure our aluminium billet is RESPONSIBLY SOURCED

How and from whom a company purchases materials can impact the broader environment in many ways.

We recognise that to ensure product sustainability we must ensure 100% material traceability and ensure our suppliers uphold high environmental, social, and quality based standards. In 2016 we made the decision to pursue certification to BES 6001 to ensure and prove our products have been responsibly sourced, particularly bauxite.

We require much more than affordability from our suppliers; standardised management systems must be in place to identify and reduce their quality, environmental and health and safety risks. As a direct result of this, a key supplier reports that their production sits below the industry average for energy consumption per kilogram of aluminium produced at 13.9kWh per kg; with 70% of their total production related energy consumption coming from renewable sources.

We are pleased to report in 2024, despite complications in global raw material supply chains, 100% of our constituent aluminium was sourced from suppliers that hold certification to: ISO 9001:2015 Quality Management, ISO 14,001:2015 Environmental Management and ISO 45,001:2018 Occupational Health & Safety Management

bsi. ISO 9001 Quality Management

bsi. ISO 14001 Environmental Management

bsi. OHSAS 18001 Occupational Health and Safety Management

Why aluminium's lifecycle makes it

THE 'GREENEST' METAL ON EARTH

Aluminium is commonly referred to as the ultimate building material. It is durable, light-weight, resistant to both corrosion and pollutants giving aluminium products a life cycle measured in decades rather than years. It is 100% recyclable, loosing none of its material qualities in the recycling process. Large reserves of bauxite ore and the quality of the recycled aluminium offer a building material that is not only sustainable but also effectively inexhaustible.

Economical Recycling

Recycling aluminium takes just 5% of the total energy that was used to produce it from it's raw material

Bauxite Extraction

Alumina Refining

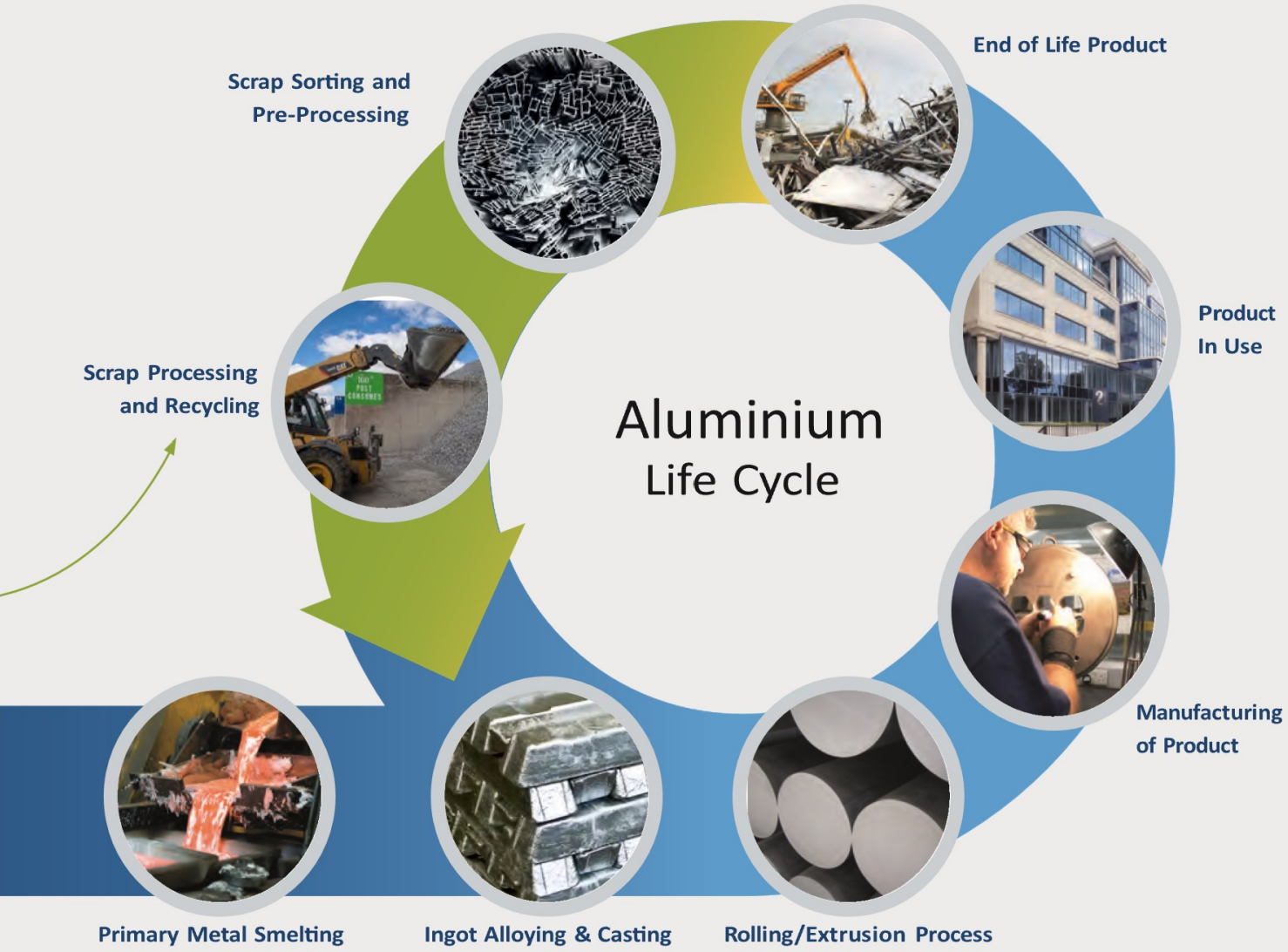
The lifecycle of aluminium, and aluminium profiles is widely known and understood. With aluminium products recycled worldwide, it is believed that 75% of aluminium produced in the 1880's is still in use today.

We consider the lifecycle of our products from the design room drawing board, through to production and beyond.

Identifying, for example, the risks that chromates hold in powder coating; the impact of energy demand in extrusion and the transportation of our products across the UK.

Detailed and thorough environmental product declarations, footprint calculations and lifecycle studies have been carried out by various aluminium sector trade bodies, action groups, and industry councils - as well as on our own specific examples. Our objective is to improve the impact of our product across its lifecycle.

During the painting process, our advanced technology allows us to capture 98% of the excess powder from the booth. This powder can then be reused or recycled.



Resource Use

We are committed to reducing the environmental impact of our products. Aluminium billet and polyamide insulating profiles encompass the make-up of our constituent materials. As per request we offer a 60um powder coat to ensure long life.

Through the design of our systems and their related profiles, we seek to minimise the amount of material used, whilst retaining the strength and durability of the finished products. We are pleased to report that in 2021, 24.2% of our incoming billet was recycled. Our vertical powder coating lines are designed to capture and reuse 98% of excess powder. We optimise our resource use

in cutting of material during fabrication and tailoring project specific designs to meet specific performance requirements. Our customers receive software tools and training concomitant to product sale, enabling them to assess minimum profile criteria based on wind load/specification

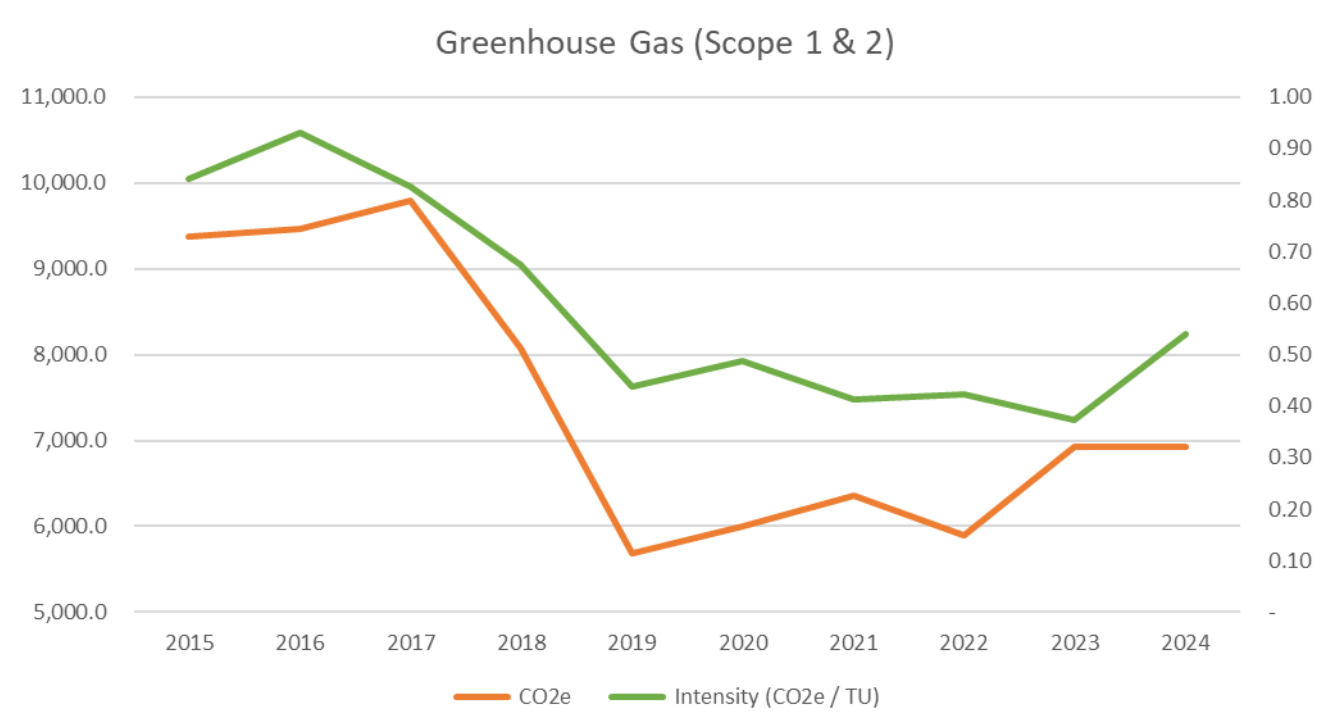
We also recognise that our products have an impact on resource use at the end of their lives. Primarily, we systematically ensure our product have a long-life span by producing reparable and upgradeable products. Our products reach the end of their life with a typical recycle rate of 95% and require no dedicated retrieval scheme due to negligible hazardous material and aluminium being widely recycled

Our journey towards reducing GREENHOUSE GAS EMISSIONS

Aluminium extrusion is characteristically an energy intensive operation. At Smart we recognise this and aim to reduce greenhouse gas (GHG) emissions in line with national commitments to the Paris Agreement and the Climate Change Act.

We have collected and collated greenhouse gas emission data annually since 2012. Our GHG emissions are produced from the combustion of natural gas and diesel on our site, from our transport activities (including our delivery fleet, company vehicles and employee travel) and the electricity we purchase from the national grid.

We aim to continually reduce our GHG emissions. Following significant capital investment in 2016, we gained our own independent grid supply, removing reliance on diesel generators and thus the inherent inefficiency of burning fossil fuels. In addition, we have planning permission to install two wind turbines on our site, which will potentially generate more than 15% of our extrusion's electricity supply. Our carpark supports employees who have electric vehicles by having accessible charging points



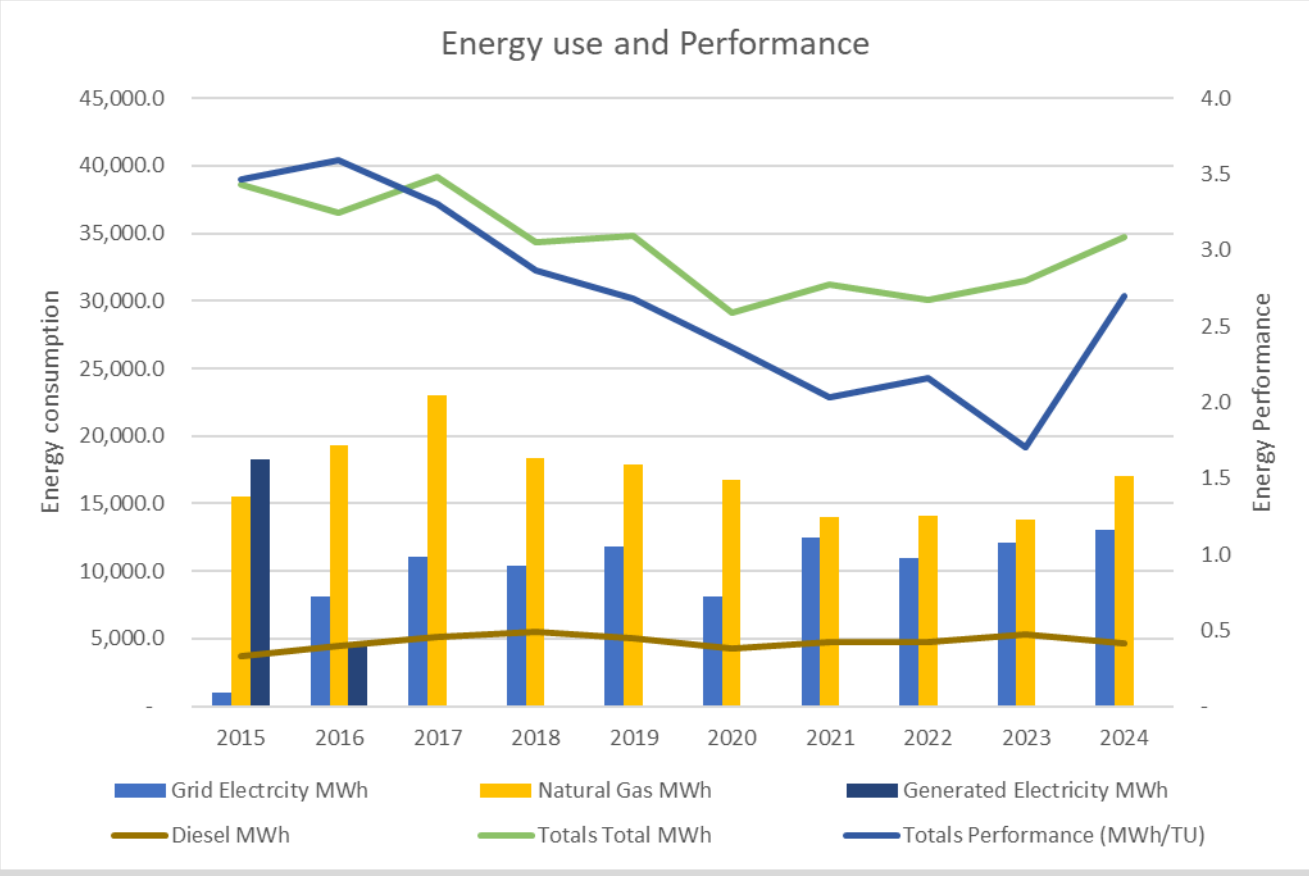
Making the right choices in sustainable

ENERGY USE & MANAGEMENT

Energy management is a crucial element of our management of capacity, cost, emissions and future development. We have had ISO 50001 certification since 2015 which models our energy management system for continual improvement.

Heat recovery on our presses, ovens and powder coating lines is used in subsequent processes

We are now able to use data to better understand and make decisions about our energy usage and to take appropriate actions to continually improve energy management based on reviews of the system. Since 2015 we have put in place a number of projects and plans to reduce our electricity, gas and diesel consumption, improving our energy performance with respect to our overall output.



Using the latest technologies we have

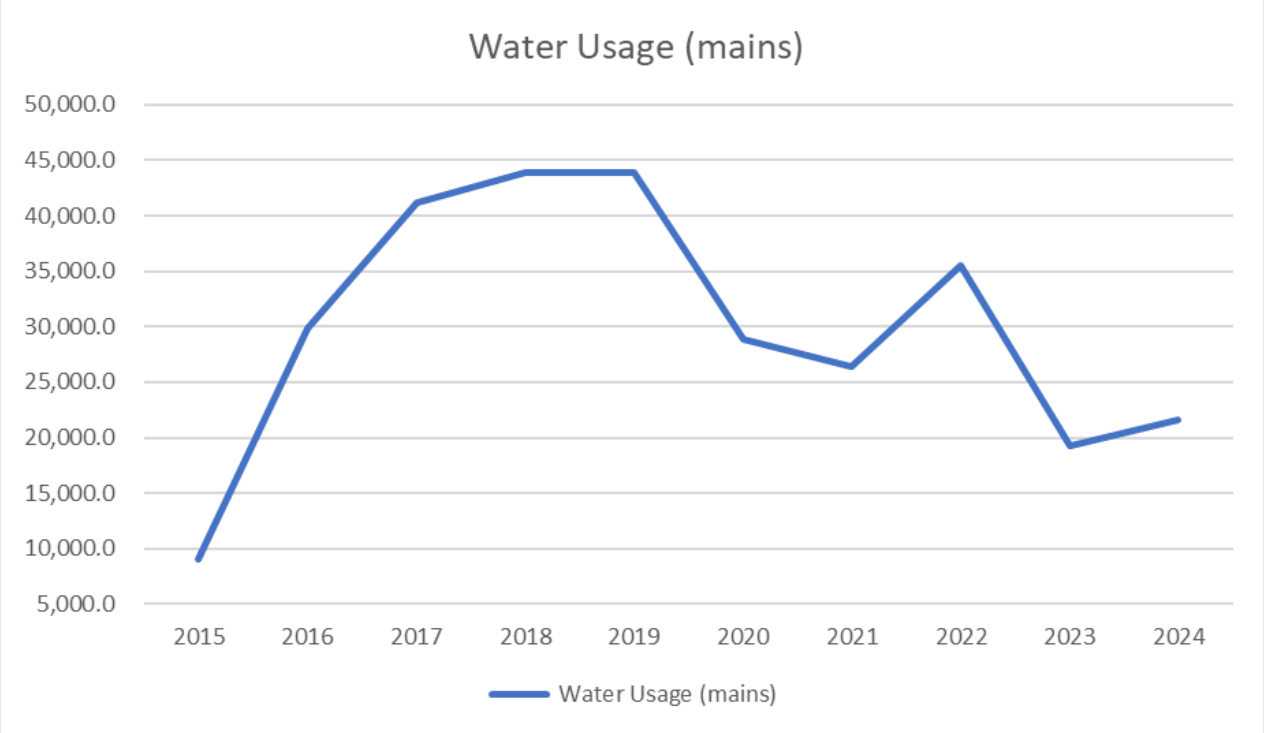
IMPROVED WATER ABSTRACTION

Since 2011 we have invested in abatement strategies to minimize our water usage and have continually improved our efficiency.

Our rainwater harvesting (3,000,000lt capacity) and filtration systems enable substantial reductions in our mains water demand. Recycling and reusing the ionized water in our powder coating lines' pre-treatment processes has helped reduce our demand on local water resources. In utilising best available technologies we have significantly improved our water use efficiency.

As part of our expansion programme, we have installed a state-of-the-art vertical powder coating lines, which have a lower water consumption rate than our horizontal line.

We collected and used more than 3.1 million gallons of rainwater in our production process during 2024



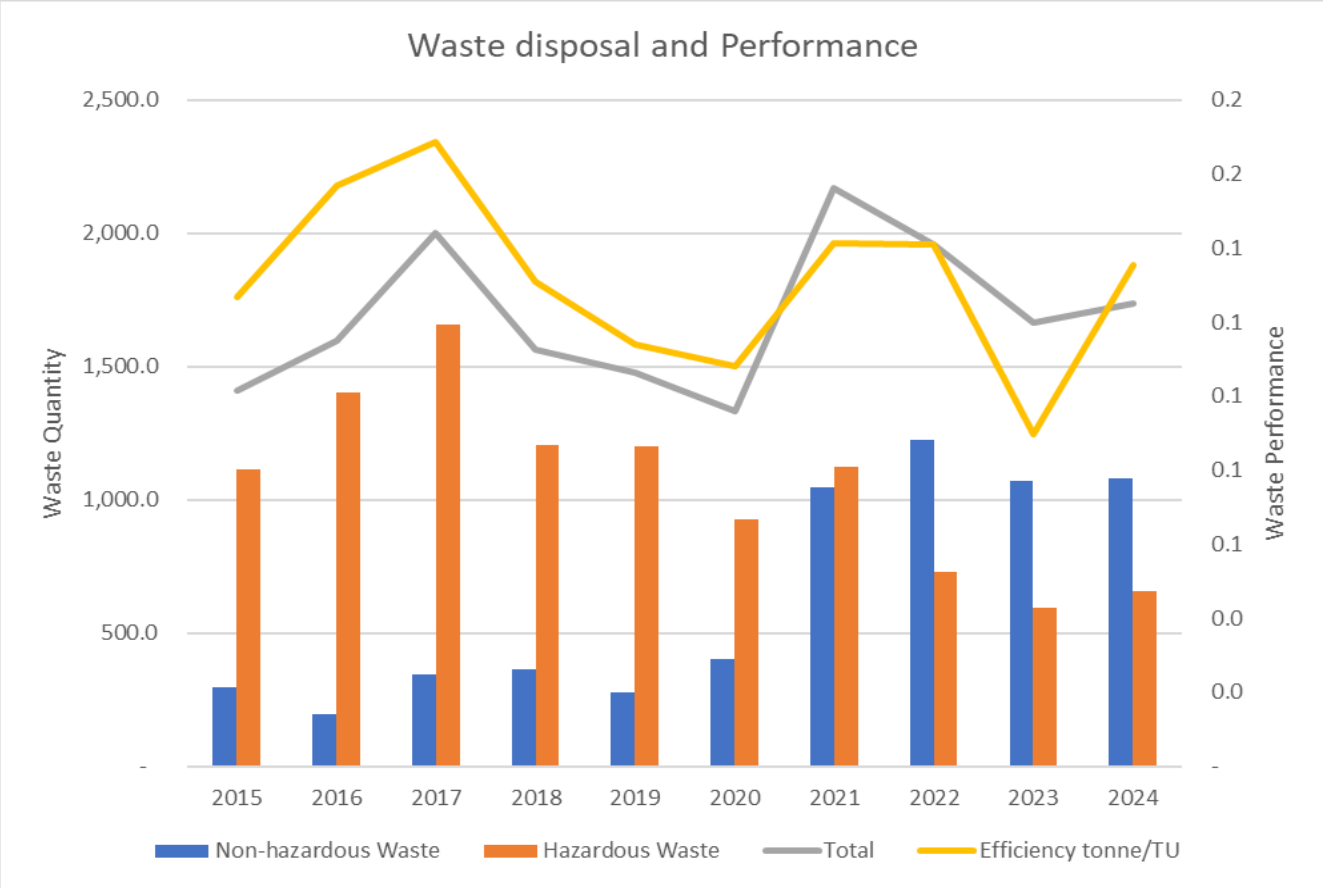
We fully adhere to the legal requirements of

WASTE PREVENTION & MANAGEMENT

In adhering to Waste Regulations we deploy a control hierarchy to our waste management. As a large manufacturing company, we generate waste in various forms. As part of our commitment to prevent pollution and fully adhere to legal requirements, we ensure correct separation and storage of waste until collection.

We integrate waste minimisation into our processes to reduce our waste burden. In the extrusion process around 15% of the aluminium extruded will not be fit for intended use, we collect this for re-melting and receive reformed billet in return. Our powder coating lines use chromate free powder to minimise hazardous waste and reuse up to 95% of excess powder. Disposable packaging from suppliers is reused onsite for material storage, whilst our profiles are delivered in reusable stillages.

Furthermore, by ensuring that nothing we add to our profiles impedes recycling, when an installed system reaches the end of its useful life, it can easily be recovered and sent for re-melting. We promote post -consumer reuse by creating products that allow glazing and installed hard wear replaceability, whilst maintaining unit efficiency and contemporary aesthetics.



We're actively reducing our carbon footprint

TRANSPORTATION CHANGES & IMPACT

We operate our own delivery fleet of rigid vehicles, with wagon and drag, and detachable load boxes, supplemented by efficient national haulage companies to reduce vehicle movements to and from our site.

Expanding our capacity since 2016 via national haulage networks and warehousing hubs around the UK we enable our vehicles to pick up material without having to return to Yatton. Whilst this may have led to a lower MPG rates, we have increased output by 20%, with only a 5% increase in mileage.

In order to mitigate all the potential impacts of our transport activities, we continue to invest in our fleet. By leasing and upgrading our vehicles regularly, we can meet emission and safety requirements. We also ensure each vehicle is maintained by it's manufacturer , to reduce the risk of breakdowns and leaks.

Furthermore, we have installed 360° camera systems on our fleet, giving drivers greater visibility when manoeuvring in tight spaces, as well as telematics to assess driving styles.

We continue to monitor and investigate alterative fuels and technologies to enhance the performance of our fleet and minimise it's impact

A safe and secure way to manufacture

ECO-TOXICITY RATING

Chemicals within the UK must be classified under the retained EU regulation; Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) legislation

UK REACH addresses the production and use of chemical substances, and their potential impacts on both human health and the environment. At the time of writing no products manufactured by Smart Systems Ltd are above the UK REACH threshold. Although a number of chemicals used within our processes utilise UK REACH registered substances, none are classified as Substances of Very High Concern (SVHC) under article 57 of the legislation. Chemicals used regularly in our processes are Sodium Hydroxide: Registration Number 01-211945-7892, Powder Paints: No known SVHC or SVHC candidates, Hydrochloric Acid: 231-595-7, and Ferric Chloride: 231-729-4.

Our vision for the future

We continue to set the standard as the most **modern and efficient plant in the UK**

Using **effective management sys-** we aim to reduce our environmental impact

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