



**edie.**  
SUSTAINABILITY  
LEADERS  
**Awards**  
**2018**

The Finalists 2018



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## MEET THE FINALISTS!

**Welcome to the finalists report for the 2018 Sustainability Leaders Awards. Organised by edie, these awards recognise excellence across the spectrum of sustainable business; from the best efficiency programmes through to product innovation, from stakeholder engagement and CSR initiatives to the people making it happen.**

Hundreds of entries were whittled down to 17 category shortlists, from global brands to SMEs, public sector organisations to innovative start-ups and established multi-nationals.

In this report you'll find the summaries of each finalist's entry - the people, products and initiatives that stood out from the crowd - listed category by category.

So, read through the best of the best of this year's submissions, a huge congratulations to all of this year's finalists and we can't wait to crown the 2018 winners on January 24th!

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# Carbon Management



## Costain Group

Costain has developed an integrated, automated carbon quantification & management tool which allows key data sets (Cost, Quantities, Time) to be infused with carbon data on interactive dashboards, making hot spot identification and management a simple process for multiple disciplines across infrastructure supply chains. This represents a step change in how industry thinks about and manages carbon impacts associated with infrastructure projects.



## Cross River Partnership

FREVUE (Freight Electric Vehicles in Urban Europe) successfully demonstrates to the freight industry, policy makers, and other stakeholders how the current generation of electric freight vehicles can address CO2 emissions and local air pollution from road freight transport. This was achieved by trialling, testing and comparing performance of 80 electric freight vehicles, ranging from small car-derived vans of 3.5t to 18t trucks. In addition to delivering clear air quality and health benefits in partner cities, the average CO2 emission reduction across the FREVUE demonstrators was 45%.



## London Metropolitan University

London Metropolitan University has been implementing a programme of carbon management over the last six years which has led to the University meeting and exceeding its carbon reduction target of 50% by 2020 four years early. In fact, it has reduced its carbon footprint by 66% since 2009. This was achieved by improving work processes, optimising existing systems, policy alignment, investing to save and engaging with stakeholders.



## NATS

In 2008 NATS was the first Air Navigation Service Provider (ANSP) to commit to reducing airspace CO2 emissions by 10% per flight by 2020 - equating to 2.5m tonnes of CO2 per annum. In 2014, NATS reached an interim target of 4% reduction in emissions, underpinning social and economic benefits, as well as operational impact and efficiencies. NATS continues to deliver comprehensive research programmes that help baseline performance, provide business case for change, identify opportunities for improvement, validate improvements and provide continuous reporting of performance.



## Interface

Fired by the success of its original Mission Zero pledge to become wholly sustainable by 2020, Interface launched Climate Take Back in 2016. The aim of this new mission is to take the company beyond eliminating its negative environmental impact, to reversing climate change and inspiring other organisations to do the same. The first initiative as a result of this commitment is 'Proof Positive' - a first-of-its-kind carbon negative prototype carpet tile manufactured in a way that reduces the amount of carbon dioxide in the atmosphere.



## Jacobs

In 2016, Coca-Cola Enterprises (CCE) merged with bottlers from Germany, Iberia and Iceland to become Coca-Cola European Partners (CCEP), the largest independent Coca-Cola bottler in the world, distributing products across 13 European countries to more than 300 million consumers. Jacobs has collaborated with Coca-Cola CCEP for several years, and in 2017 worked with them to quantify the carbon impacts of the new business to allow for standardised data reporting across the merged operations.



## Royal Mail Group

In 2011/12, due to a changed delivery model resulting from increasing parcel volumes, Royal Mail re-visited its targets, including a 20% reduction in carbon emissions by 2020 (baseline 2004/5). Challenges included changes in delivery methods, which meant it had to increase its vehicle fleet. However, the target has been reached early thanks in part to initiatives including an LED replacement programme, the introduction of energy monitoring (RTO) and the use of telemetry to influence driver behaviours.



## Tesco

Stores and distribution centres (DC) account for 85% of Tesco's direct carbon footprint. Tesco set climate-change goals to; halve emissions per sq ft in stores and DCs by 2020 and become a zero-carbon business by 2050. Since then it has reduced carbon emissions by 41% per sq ft after investing £700m. The Refrigeration Replacement Programme is driving results. By moving to R-448A, in 1,200 stores carbon emissions through direct emissions (leaks) will reduce by 40%.



## Virgin Atlantic Airways

As an airline, aircraft emissions account for 99% of Virgin Atlantic's scope 1 and 2 carbon footprint. Reducing aircraft emissions is therefore its number one environmental priority. The biggest impacts can be made through operating the most fuel-efficient fleet possible, so Virgin embarked on a multi-billion-dollar fleet renewal programme. When all new aircraft are in place in 2021 each aircraft will contribute approximately -30% carbon savings per trip compared to the aircraft they've replaced. Total CO2 emissions have reduced by 22% since 2007, and 8% in 2016 alone. (350,000t CO2).

# Consultancy of the Year

## AECOM

AECOM describes itself as 'built to deliver a better world', imagining and delivering innovative solutions, building infrastructure and cities that help communities flourish in a world constrained by land, resources and capital. AECOM helps clients value the natural capital our society and economy depends on; designs low carbon development and brings effective water stewardship and energy efficiency to its projects, and, recognising that climate breakdown will take its inevitable toll, AECOM designs for resilience.

## Barley Communications

Communicating environmental and sustainability messages in ways that engage and inspire people is critical to achieving much-needed behaviour change – which is exactly what Barley Communications does. Over the last year it has spread the word on the Square Mile Challenge to recycle coffee cups and the introduction of drinking fountains in Borough Market; it has inspired people to reduce food waste using Community Fridges and get baby clothes back into circulation through Gift a Bundle.

## Greengage

Greengage is a specialist sustainability consultancy. Working with clients to improve environmental, energy and sustainable credentials by: reducing energy consumption through advising them on energy efficiency; gaining 'Excellent' or 'Outstanding' BREEAM Certification; developing CSR strategies to ensure it aligns with policy and market sentiment; environmental legislation compliance guides and much more. Greengage is also an active member of the UKGBC.

## PwC

PwC has a sustainability team of circa 100 professionals in the UK, who provide a range of advice to clients - including total impact measurement, strategy advice covering aspects such as climate risk, urbanisation, circular economy, modern slavery and human rights, ESG reviews, particularly for the private equity market. It manages international development programmes, including running DFID's award-winning Climate Development Knowledge Network (CDKN), Girl's Education Challenge Fund and Impact Programme and has a market-leading sustainability assurance practice.

## Compliance365

Trading since 2010, Compliance365 provides a wide range of services to customers around three core areas: achieving compliance with mandatory energy legislation; delivering a "one stop shop" for identifying and implementing energy reduction methods, monitoring and reporting on savings achieved and providing independent consultancy and energy audit services. To date it has completed more than 40,000 surveys and consultancy projects nationwide.

## Given London

Given is a brand purpose consultancy. It helps businesses grow by doing good; creating long-term value for clients' brands, employees, customers and the world – what it believes is the next frontier of sustainability consultancy. Bringing together expertise in both sustainability and marketing disciplines to deliver brand purpose with substance, Given is set up to work closely with clients as partners across projects around the principle of co-creation - involving everyone who is invested in the success of a project in the development of new solutions.

## Syzygy Renewables

Approximately 20% of UK carbon emissions come from non-domestic buildings and Syzygy's mission is to change that. It identifies and delivers renewable energy solutions for shopping centres, offices and logistic buildings, aligning renewable energy with commercial realities, changing how landlord clients think about renewable energy by personalising the energy they use through self-generation. This year alone it has delivered both the UK's largest solar PV installation on a shopping centre and the largest landlord-funded installation on a logistics building.

## Utility Alliance

Utility Alliance was set up in February 2015 with a team of six staff, and now operates with a 250+ team from its Hartlepool HQ and will have an additional 200 staff working from a new office in Sheffield from early September. The business growth is rapid, and plans are in place to make further expansion across the UK within the next 12 months. Utility Alliance has earned recognition in various awards events within the North-East region, and is now ready to compete in a tough sector with some of the bigger, more well established, national names.

## Verco Advisory Services

Verco is an award winning, employee-owned business specialising in sustainability, resource management and software development. It has a 28-year track record providing an end-to-end service from corporate strategy to project implementation, delivering proven energy, cost and carbon savings. The Verco team is a blend of consultants, engineers and software developers dedicated to mitigating the impacts of climate change and shaping the future of the low carbon economy.



# CSR, Charity and Community Initiative



## Canary Wharf Group

Canary Wharf Group (CWG) has overseen development of the Canary Wharf Estate for more than 30 years, making deep social investment in the local community. CWG works hard to ensure its developments open the widest possible economic and social opportunity to people living in surrounding areas, supporting programmes and organisations which assist in the creation of opportunities for local people. This approach has become an embedded value and core to how the Group delivers its projects on, and now off, the estate.



## The Co-op

Community has been at the heart of Co-op since its inception in 1844, when 28 working class men from Rochdale founded the society to provide safe and fairly-priced food. Since then, it has continued to respond to issues that matter most to its communities, driving positive change in everything from women's rights to Fairtrade, modern slavery and loneliness. As a business based on building resilient communities, loneliness is a fundamental challenge and its 4.5m members. Whilst great progress has been made, Co-op is committed long-term to ensure a lasting change and has launched a campaign to tackle loneliness across all ages.



## O2 & NSPCC

O2 has teamed up with the UK's leading children's charity, the NSPCC, to develop a ground-breaking partnership designed to help parents understand their children's' online world and how to keep them safe within it. O2 has trained more than 6,000 employees in online child safety, with more than half working in retail stores. The partnership has engaged more than 15 million people, helped parents take more than two million actions to help keep their kids safe online, and engaged more than 11,000 parents in online safety workshops, delivering 25% awareness of the partnership among O2 customers.



## Optus

Australian telecommunications leader Optus has joined forces with charity partner ABCN to develop Pathways 2 Employment, a retail job readiness and employment programme for disadvantaged youths. The scheme provides job skills, insights into the retail world and interviewing advice, with opportunities for students to gain employment as a Christmas casual in Optus retail stores. Four of the six young people that secured casual roles have retained ongoing employment, a much higher than usual retention rate of Christmas casual staff.



## Haven Power

In September 2017, Haven Power achieved its fundraising target of £8,500 for local charity Eden-Rose Coppice Trust - three months ahead of schedule. Its involvement has raised staff engagement, and the latest internal survey showed that 90% of employees believe the company is socially responsible - a 32% increase on the previous score. To date, 180 Haven Power volunteers have devoted 1,400 hours to transforming a once-neglected wood in Ipswich into a welcoming space for disadvantaged people and those with a terminal illness.



## National Youth Agency and O2

The Environment Now scheme offers 50 young people aged 17-24 a grant of up to £10,000 to tackle environmental issues using digital solutions, creating their own start-up business. To date, 26 grants have been awarded to young people across the UK. The National Youth Agency has delivered face-to-face workshop sessions with 526 young people throughout the UK with 98 applications received so far. Every project has to deliver an 'inspiration event' to people younger than themselves, which raises awareness of environmental issues and entrepreneurship in the next generation.



## SGN and Plan Bee

Proud to Bee is a three-year joint initiative launched by green gas supplier SGN and educational services provider Plan Bee to introduce bee hives to local companies and schools. Through school sponsorship the project aims to educate young people about the plight of the honeybee, and inspire them to help restore the depleted population. The initiative also offers students the chance to join a school beekeeping club to learn how to look after the bees as well as teaching marketing and fundraising skills so students can sell their own branded honey.



## Tamar Energy Community and Tesco Stores

Community energy enterprise Tamar Energy Community (TEC) has worked with five host organisations, including Tesco stores, across the Tamar Valley in Devon and Cornwall, to install 320kw solar PV on their roofs. Onsite generation has enabled the host sites to become local generators for their own zero-carbon generation and/or to feed power into the local grid. Sourcing renewable energy from a community group not only helps Tesco with its carbon reduction targets, but has also added benefit in line with their value of "every little help makes a big difference".

# Employee Engagement and Behaviour Change



## Avery Dennison

Avery Dennison established 2025 sustainability goals with ambitious targets in eight areas where the company can make the greatest impact. To achieve these bold goals, the organisation is counting on its global workforce of over 25,000 to think bigger and reach higher. Employee activation was the aim, and the catalyst was Sustainable September. The 2016 unifying campaign theme, "Change begins with me", was designed as a rallying cry to help employees realise that sustainability depends on every individual. In 2017 the campaign theme is "together we can" moving from individual to collective action.



## Hilton

'Bikes are Back' was Hilton's environmental campaign to engage team members in the reduction of energy and water consumption and waste. Hotels were measured on their performance against targets and each team member at the best performing hotels were awarded bicycles. The efforts of hotels across EMEA helped achieve an energy consumption reduction of 3.5% and a water consumption reduction of 4% against the previous year. Due to the success of the campaign it continues to be a key part of Hilton's engagement strategy.



## Freedom Group

In 2016, the company launched a behavioural change programme designed to drive continuous improvement across all impacts. This programme is delivered in partnership with a specialist company Setters and includes a detailed environmental campaign to deliver measurable improvements across carbon and waste. The campaign helped reduce CO2 by 6.7%, improve on-site waste segregation by 10% and increase in landfill diversion by 2%.



## Landsec and UK Green Building Council

'Sustainability Matters' is a company-wide training programme designed to increase employee awareness and knowledge. With committed funds of £120K and co-developed with UK Green Building Council, the three levels of learning aim to provide a good understanding of how to embed sustainability across the investment, planning, design, construction and operations of buildings. Since launching in February 2016, a total of 1507 learning hours, 564 employees trained and an overall increase in knowledge of 42% has been recorded.



## London Metropolitan University

London Metropolitan University implemented a fun programme of events that got people talking about Green London Met. Activities covered waste, water, biodiversity, food and energy. Events were easy to participate in and linked to courses wherever possible. The NUS's Green Impact scheme formed the structure of events to encourage both staff and students to become more environmentally aware. Events ranged from growing strawberries and tending to bees to designing windows. The aim of was to empower staff and students to make further change and create good habits.



## Swansea University

Swansea University developed and implemented an employee engagement and behaviour change programme called SWell, which stands for Sustainability and Wellbeing, with delivery partner Green Rewards. Swell incentivises positive behaviours such as travelling sustainably, recycling, volunteering and using campus sports facilities. After a successful pilot in summer 2016, SWell went University-wide for all 2,800 employees from October 2016. 40% of staff are signed up with 45,000 positive actions logged to-date.



## University of London

Reduce the Juice is a UK-wide sustainability engagement programme delivered in student accommodation and focusing on three areas: reducing energy consumption, saving water, and increasing recycling. Students compete in three themed, month-long sprints (energy, water and recycling sprint). In 2016-2017 academic year they worked with 20 residential halls in five Universities, recruited 80 Sustainability Engagement and Action Leaders and saving more than 518 tonnes of CO2e.



## Pukka Herbs and Do Nation

Pukka Herbs teamed up with Do Nation to run a year-long competition to encourage Pukka people to make small, sustainable changes to their everyday lives at work and home (for example, cycling to work, boiling only the water you need, eating less meat, or switching to renewable energy). Teams competed to make pledges via the Do Nation website, and over the year saved more than a million cups of tea worth of carbon. Key to the success of the campaign was linking it to the company bonus scheme plus a healthy dose of fun and celebration.



## Unite Students and the NUS

The Green Impact scheme, accredited by the National Union of Students, is a toolkit of sustainability actions that are simple, clear and easy to implement. Employees are encouraged to team up and enter the scheme at the start of the academic year; they then have until the end of the year to complete as many actions as possible. As part of this programme 117 passionate student volunteers were recruited to work alongside them and to give feedback at the end of the year.



## Virgin Atlantic Airways

In 2016, Virgin Atlantic published the results of an evidence-based study where it engaged airline Captains in fuel and carbon saving initiatives, and saved 6,828 tonnes of fuel, 21,507 tonnes of CO2, and a very welcome £3,309,489 for the business (about £1 million at current fuel prices). Working collaboratively with academics, the company developed a process that increased Captains' awareness of the measures they could take to improve on fuel efficiency (traditionally presented through training and on-board manuals). Data from more than 40,000 flights showed that raising awareness among pilots is enough to drive significant changes in fuel-saving behaviours.

# Energy Management



## Anglian Water Services

Anglian Water Services (AWS) is one of the largest energy users in the East of England pulling 700 GWh from the grid every year. AWS has achieved a step change in energy efficiency and asset management with the Energy Efficiency Monitoring System (EEMS) launch in 2016. Optimising performance and energy consumption using sub-meters and bespoke analytical tools the EEMS delivers impressive energy and carbon savings (8,000 tonnes CO<sub>2</sub>e).



## Brau Union Österreich

Around 40% of the heating requirement at Brau Union Österreich's "Green Brewery Göss" was already covered by the waste heat from the neighbouring Mayr-Melnhof sawmill and 90% of the waste heat generated by the brewing process is used to heat up water. However, October 2015, saw it open the world's first beer grain fermentation plant. Processing spent grains saves more than 1,200 tons of CO<sub>2</sub> every year. The energy is used to generate steam and any excess volumes are converted into electric current. Plus, the resulting residue can be used as a high-quality fertiliser making the plant the first large-scale brewery in the world to be CO<sub>2</sub> neutral.



## Arup

In collaboration with Regent Street Management Direct, Arup developed an innovative data-driven approach to managing the performance of The Crown Estate's Regent Street portfolio. The aim was to minimise the performance gap between commissioning and operation and ensure that all assets achieved their full potential, in terms of energy efficiency as well as occupant comfort. The approach has been implemented across 200,000sqft of commercial space and opportunities totalling 607,000 kgCO<sub>2</sub> per annum have been identified, which will equate to savings of approximately £120,000.



## EMCOR UK

EMCOR UK was tasked with developing and delivering an Energy Plan for its client United Utilities (UU) to help meet its energy reduction targets of 60% by 2035. EMCOR created a bespoke strategy focusing on demand reduction as a function of building management, underpinned by energy monitoring data and continual innovation around asset optimisation. Despite historic investments in low hanging fruits/quick wins, savings achieved from this approach have exceeded £276k.



## Gatwick Airport and DHL Supply Chain

In what it claims is a world first, DHL has introduced a biomass combustion system at Gatwick Airport. This system has exceeded targets in year one and continues to reduce Gatwick's environmental impact to support the anticipated increase in passenger numbers projected in Gatwick's 'Decade of Change' strategy. The solution, which is replicable globally, not only creates green energy for the airport but it reduces traffic congestion - and because food waste is incinerated on site, it improves bio-security. In addition, the material recycling line sorts the airport's recyclates, resulting in more recyclable material being removed from general waste.



## Ignite Energy and Pets at Home

Over the past two years, Ignite Energy and Pets at Home have developed and implemented a demand reduction solution made up of two key elements: LED lighting upgrades and control systems to manage in-store assets and optimise savings installed across Pets at Home's entire estate of more than 440 stores. It has resulted in impressive financial savings - with a payback period of less than three years, enormous reductions in carbon emissions and a portfolio of upgraded modern stores that require less manual control and maintenance.



## Whitbread and E.ON UK

Whitbread PLC has developed a holistic energy reduction strategy concentrating on three components: big data driven insight; spending to save (energy efficiency capital investment programme) and managing what it uses (operational review, consistency and efficiency). Selecting E.ON as its data management partner to support the former, Whitbread combined multiple data sources into E.ON's data management system to create a comprehensive view of the data and from that created an intervention approach based on building energy management systems and energy efficiency initiatives.



## Hilton

LightStay is Hilton's proprietary corporate responsibility management platform that provides one place for all 5,000+ hotels to track their CR-related efforts, including energy reduction strategies. One of the key focuses is tracking energy consumption and the related impacts. Data is used to help hotels understand their ongoing performance through graphs, alerts and property-level benchmarking. LightStay also serves as an internal engagement tool, and collates information for use in external reporting. It is a key part of Hilton's environmental efforts and has helped achieve energy reductions of 17% since 2009.



## Tesco

Despite having invested £700m in energy efficiency and renewable generation since 2007, a more focused strategy that integrates energy into business as usual processes, has driven a significant step change in the impact of energy consumption as a result. New post-Paris targets are science based and commit to a 35% reduction against a 2015 baseline by 2020, a 60% reduction by 2025 and a 100% reduction by 2050. Improvements have already cut electricity bills by £200m per year and savings are still being driven, with a 5.09% reduction to week 29 of 2017/18 compared with the previous year.



# Energy Institute Energy Manager of the Year



## Ioannis Moraitopoulos

As a senior energy manager at Engie (Urban Energy) Ioannis is responsible for large district energy schemes, such as the Olympic Park in East London and develops saving strategies and techno-economical models for hot water, refrigeration, steam systems and electricity. Currently assessing new and pioneering technologies, such as phase change materials, optimisation software and dedicated metering control systems, energy improvements in cooling systems have already saved approximately 1GWh of electricity per year and a smart metering trial is expected to save about 15% for each residential property in the scheme.



## Maria Spyrou

Since joining the business in 2015, Maria has been instrumental in delivering combined yearly savings of approximately 40GWh, reducing the M&S estate's consumption by more than 5% from the previous financial year. Maria has led M&S' energy efficiency capital investment programme and already helped deliver c£20m of capital investment projects, including LED lighting, HVAC upgrades and solar PV, with another £20m underway, delivering savings of c£4m each. She also leads the Demand Side Response programme, upgrading more than 20 sites to work in parallel with the grid, and M&S' research strategy, focusing on battery storage and next investments.



## James Kokiet

Since starting at Pets at Home James has designed, deployed and led Project Aether – the installation of LED lights and Building Energy Management System (BEMS) in to every store in the Pets at Home portfolio (440+) in less than 12 months. This was the largest capex project the business had ever completed at £7.8m but also the most commercially attractive with a payback of just over 2.5 years and annual savings of £2.9m and 9,762 tonnes of CO<sub>2</sub>e. Plus, the group is now purchasing REGO-backed electricity, offsetting carbon from gas consumption all contributing to a projected 70% reduction in carbon footprint.



## Steve Cocks

With more than 30 years of experience in the delivery of energy saving projects across the public/private sectors Steve has spent the last nine of them at the University of Wolverhampton where he has delivered savings of more than 6,800 tonnes CO<sub>2</sub>/year, giving a 39% reduction against HEFCE baseline. This has been achieved through a mix of engagement and awareness activity, tech installation including CHP, improved BMS, low-energy lighting and controls, boiler replacements, solar thermal systems, solar PV, voltage optimisation and much more.





# Recycling and Resources



## Anglian Water

Anglian Water Services (AWS) conceived, designed, patented, piloted and rolled out a new sludge treatment process to optimise biofuel production at its sludge treatment centres. The key benefits of the HPH process (heating, pasteurisation, hydrolysis) is better pathogen kill performance, improved organic conversion leading to a better stabilised product and lower quantities of end product, high biogas yields enabling from CHP, all of which are contributing to significantly lower operating costs per tonne of dry solids treated. Now operational at four of AWS' nine sites in 2016 the company generated 112GWh of electricity - 16% of its total usage.



## bio-bean

bio-bean recycles waste coffee grounds into advanced biofuels and biochemicals. The UK produces 500,000 tonnes of waste coffee grounds every year and bio-bean can recycle up to a tenth of that every year, converting it into coffee logs (coffee biomass heat logs for use in the home) and coffee pellets (for industrial use). Recycling waste into new products conserves 3-5 times more energy than that generated from incineration, while an independent life cycle analysis has shown that the bio-bean process produces 60% less CO<sub>2</sub>e than landfill, and 30% less CO<sub>2</sub>e than anaerobic digestion.



## Procter & Gamble

Amongst a raft of other initiatives, P&G brand Pampers is the first nappy brand to recycle nappy waste at an industrial scale. The plant in Italy is capable of upcycling almost 100% of used hygiene absorbent products (nappies, adult incontinence and feminine hygiene products) into secondary raw materials - approximately 50% recycled cellulose, 25% recycled mixed plastic and 25% recycled absorbent materials. These are then processed into items including bottle caps for detergents. A second plant has been confirmed for Amsterdam.



## Revaluetech

Revaluetech's Re-Formative Engineering Process, combined with patented polymer composite formulations, enables a wide range of profiles to be made from mixed plastic packaging waste, currently landfilled. By incorporating glass fibre, structurally loaded, inert polymer composite products can be made, to meet specific physical performance criteria in place of tropical hardwood, treated softwood and concrete.



## Eurotec Environmental

Eurotec Environmental's Sterilwave process intelligently grinds and then microwaves clinical waste into a sterile refuse-derived fuel (RDF) that is completely safe to handle and is then used in an Energy-from-Waste plant. The process also guarantees zero emissions to atmosphere, zero foul water to drain and zero ground contamination. Processed on site the resulting transport trips to move the fuel off site are up to 80% less than moving the waste pre-treatment further bolstering its carbon credentials.



## James Cropper

Master papermaker James Cropper says it has invented the world's first upcycling process for used disposable cups - a notoriously difficult waste stream to recycle. The 'CupCycling' technology reclaims the fibre from the cup, which then replaces virgin fibre in manufacturing of paper and luxury packaging. The plant is already processing cups from brands including MacDonald's and Selfridges, the latter then using the resulting paper to make their iconic yellow shopping bags. Six million cups have already been 'CupCycled' with the potential for more than a billion by 2020.



## The Coal Authority

The Coal Authority generates around 5,000 dry tonnes (over 30,000 wet tonnes) of hydrous ferric oxide (HFO), an iron ochre, each year. Created through mine water treatment schemes which protect the environment, previously this material was sent to landfill. However, with its ability to absorb substances, it has value for land and water treatments and its striking colour is also ideal for use as pigment. Working with partners in industry and academia the Coal Authority has developed products and markets for this by-product, saving up to £550k in landfill charges and generating a growing income stream on top of that.



# Sustainability/CSR Manager



**Ama Seery**

Ama has used her wealth of knowledge and experience to close the gap regarding corporate social responsibility, sustainability, and general environmental performance at BW. She has championed issues relating to diversity, inclusion, and sustainability through working with charities, industry groups and schools as well as raising the profile of environmental issues within the organisation with her reports to the business and general staff training. And all in less than a year since Ama started in her role.



**Claire Whitely**

Hilton senior sustainability manager Claire Whitely has been and continues to be instrumental in the development of Hilton’s Travel with Purpose (TwP) corporate responsibility strategy and supporting tools. She drives the successful global implementation of TwP, which has so far reached 500,000+ young people through apprenticeship programs, career engagement and life skills training; helped achieve double digit percent reductions in energy and water use, waste and carbon output since 2009; delivered more than 291,000 impactful volunteer hours to local communities; and awarded more than \$320,000 to “intrapreneurs” across 5000+ hotels and corporate offices, creating innovative solutions to local social and environmental problems.



**Benedict Orchard**  
Over his first five years with Adnams, Ben has created and implemented a pioneering sustainability framework, which has been so successful other organisations have subsequently adopted it. Other results include carbon savings already equivalent to another five years’ operations, reduction in water ratio to its lowest ever (20% below industry average) and made the company zero waste to landfill. Ben’s leadership and communication of the commerciality of environmental projects has encouraged others to follow suit, and consequently drive impressive carbon savings outside of the organisation.



**Stephanie Leggett**  
As sustainability development manager, Stephanie Leggett is responsible for strategy, development, policy, communications and reporting. She has led transformational change and delivered measurable impact. Using skills from her academic and audit background, she analyses current state, forms compelling business cases, and engages and drives stakeholders to deliver change. Last year, this included the introduction of board-level, non-financial reporting, market-leading policies for human rights and ethical conduct, transparent reporting on a range of new ESG metrics, being awarded silver class and highest ranked UK insurance company in Dow Jones Sustainability Index World and Europe and 4th in UK Social Mobility Index.



# Sustainability Innovation: Standards, Systems and Software



## ADEC Innovations

CleanChain, an ADEC Innovation, is a sustainability application designed to help organisations demonstrate the use of safer chemicals in supply chains. Created in alignment with conformance criteria for the Zero Discharge of Hazardous Chemicals (ZDHC) and other Manufacturing Restricted Substances Lists (MRSLS), the application aims to support the elimination of hazardous chemicals in manufacturing processes, enabling businesses to deliver environmentally and chemically safer products, reduce environmental waste, lower operating costs and improve operational efficiencies.



## British Standards Institution

British Standard BS 8001 is the world's first standard for implementing the principles of the circular economy in organisations. The circular economy takes a whole systems perspective and BS 8001 enables organisations to map out their unique system and understand how their operations impact it. It explores how, by applying circular economy principles, organisations can capitalise on cost savings; unlock new revenue streams; and make themselves more resilient to external shocks and disruption.



## SIM (Supply Chain Information Management)

With a combination of software tooling and team services, SIM works with some of the biggest retailers and producers of food and non-food products worldwide to get more insight into their supplier and product chains and create a platform for them to act upon the information. So far, SIM has mapped more than 110,000 suppliers and cooperated in ground-breaking sustainability strategies for its clients all based around the company slogan: 'data you can trust'.



## UL EHS Sustainability

UL's software solutions help major companies from multiple sectors deliver on their sustainability goals. The PURE platform provides end-to-end transparency into a company's business operations to manage sustainability, supply chain, and EHS information. It allows clients to gather information easily across global operations, reducing costs by removing the need for manual data collection. The ability to engage internal and external stakeholders with performance dashboards and analysis is helping companies to make quantifiable improvements to how sustainability information is used for performance management, reporting and communications.



## Capgemini UK

To meet increasing demand for greater range and depth of supply chain information, and building on its 10-year experience of 100% supplier assessment in the UK, Capgemini created its own in-depth 'Supplier Assessment Product' in August 2016. Built using Capgemini's own data and analytics. It considers geography, culture and local legislation, as well as the size of business and critically the impacts of commodities, facilitating informed decision making on increasingly complex supply chains and driving targeted campaigns.



## HH Global

Business sustainability often focuses on activities such as ethical sourcing, or recyclable products, but, says HH Global, crucially, the marketing phase is often overlooked. Its Quality Printer Programme (QPP) was created to balance quality, efficiency, and environmental impact by helping commercial printers to reduce energy, waste, and water usage, while also regulating print output, ensuring brand consistency, and colour control. By ensuring suppliers adopt QPP, HH Global can improve the sustainability of its supply chain while providing clients with a quality service.



# Sustainability Leader



**Anna Tari Sanchez**  
Circular Economy Club

Anna founded the Circular Economy Club (CEC) in 2014. Within little more than two years, Anna has led CEC to become the fastest-growing international, open, collaborative non-profit network in the field, with more than 2,600 registered members and a wider +15,000 online community of supporters from over 60 countries. She has successfully recruited 22 experienced sustainability professionals who share her vision and are committed to voluntarily offer their expertise to CEC. By providing a clear and transparent roadmap, Anna empowers team members to fulfil their individual motivation while having impact as a team.



**Dr Darian McBain**  
Thai Union Group

Darian leads the sustainability efforts of world's number one seafood supplier. Her work focuses on a range of sustainability challenges in the seafood industry: from human rights abuses, migrant and labour issues, to environmental and climate change threats across both wild-caught and farmed seafood. Darian launched the company's global sustainability strategy SeaChange that aims to drive a positive transformation throughout the global seafood industry. She led global discussions with Greenpeace, and aligned both sides' views on sustainable fishing. She also leads the company's commitments and pledges on global platforms, such as the United Nations and World Economic Forum.



**Catriona Schmolke**  
Jacobs

Senior vice president at Jacobs, Catriona Schmolke is a career professional engineer and sustainability champion. A vocal advocate for 'environmental gain' in infrastructure schemes she was made a Fellow of the Royal Academy of Engineers in 2016 for her contribution to bringing sustainable practices into engineering. She is the global head of sustainability for a Fortune 250 company with a turnover of \$11bn, an active STEM Ambassador and an inspirational speaker on leadership and supporting careers for women.



**Dr Georgios Zampas**  
Herbert Smith Freehills

Georgios Zampas is a sustainability expert with a background in environmental education and behaviour change. Georgios joined Herbert Smith Freehills in 2014 and since progressed the environmental sustainability strategy by setting challenging goals for the next three years. He leads the global environmental awareness campaign, getting all 26 global offices engaged, utilising innovative communication streams and methods. His deep subject knowledge, leadership and communication skills, in conjunction with his 'infectious' enthusiasm have driven projects, inspired the board and raised the sustainability bar.



**Iain Ferguson**  
The Co-op

Reducing the environmental impact of products has been central to the Co-op's efforts for 30 years and for 20 of them that's been driven by environment manager Iain Ferguson. His achievements are many, but highlights include switching to paper stems for Co-op cotton buds back in 2006, the introduction of compostable carrier bags in 2014, changing milk bottle top colours to aid recycling, replacing polystyrene pizza boards with paper and ensuring The Co-op was the first retailer to sign up to the Plastics Industry Recycling Action Plan. As a RECOUP board member and chair of WRAP's Rationalisation of Packaging working group Iain's influence goes well beyond his role in the Co-op.



**Marcus Gover**  
WRAP

Marcus Gover has recently completed his first year as chief executive at WRAP. In his first year in the role, Marcus has accelerated WRAP's work to create a world where resources are used sustainably. He has focused WRAP's work with governments, businesses and citizens on the sectors, products and activities that will have the most impact environmentally and economically. He has helped WRAP to forge powerful partnerships that will deliver the change and has also extended the reach of WRAP's work internationally, supporting his role as an official champion of UN Sustainable Development Goal 12.3.



**Dr Jacquetta Lee**  
University of Surrey - Centre for Environment and Sustainability

As director of the practitioner doctorate in sustainability programme and associate Professor in the Centre for Environment and Sustainability at the University of Surrey, Jacquetta Lee is responsible for engaging industry leaders and high calibre postgraduate researchers to work collaboratively on specific research briefs designed to resolve current sustainability issues within industry. This innovative programme offers an unparalleled opportunity, uniting academia and industry to develop solutions that will have enduring value for individual organisations, industry and governance. Jacquetta's work within the Centre and setting up the PDS programme has shown vision, passion and an enduring commitment to the sustainability agenda.



**Seth Kursman**  
Resolute Forest Products

Over the past six years, under Seth Kursman's leadership, Resolute Forest Products has developed a solid reputation by carefully balancing environmental, social and economic priorities, taking concrete action and communicating its performance effectively to all stakeholders. Since 2011, Resolute has steadily improved its overall environmental performance, including a 73% reduction in greenhouse gas emissions (GHG) compared with a 2000 baseline, responsible fibre sourcing, investments in clean energy and mutually beneficial Aboriginal partnerships.



**Virginie Helias**  
Procter & Gamble

As vice president, sustainability at Procter & Gamble, Virginie Helias works with brand and business leaders as well as external partners to embed sustainability into all aspects of the business. Virginie explores new ways to solve P&G's biggest business challenges through sustainable innovations, be that from how products are made, marketed, used or disposed of. Her ultimate ambition? To achieve P&G's long-term vision and render her role redundant which will be the confirmation that sustainability is firmly embedded into all parts of the business and its products' lifecycle.



# Sustainability Product Innovation



## Cambridge Consultants

The smarter recycling point was developed to tackle two major challenges in delivering effective end-of-life systems for packaging. Firstly, consumer confusion about how to recycle properly and the lack of real incentives. The smarter recycling point uses image recognition and machine learning to guide consumers through the process. On scanning an item, the recycling point identifies it and tells the consumer which section to place the item into, after which they receive a reward through a phone app. And secondly, it is a driver for brands and food outlets as the recycling point brings commercial benefits including improved customer loyalty and consumer insight.



## Crystal Lagoons

Crystal Lagoons has developed an innovative concept and technology, patented in 160 countries, allowing for the construction and maintenance of unlimited size bodies of water in crystal clear conditions at low cost. The concept and technology features sustainable, self-cleaning, crystal-clear lagoons surrounded by white sand beaches anywhere in the world. Applications range from recreational amenities to providing industrial solutions for closed-circuit cooling systems for thermal power plants and data-centres, among others.



## Colart International Holdings

Colart has launched a ground-breaking new range of Cadmium-free colours in 2017, giving artists a wider range of choice when selecting safe art materials. Colart says it has the first parity performance Cadmium-free alternative in the market, driving savings and efficiencies around manufacturing and disposal; improvement for retailers as they have non-hazardous products on shelf and in warehouse and the consumer benefits from a sustainable and safe product when in use.



## Delphis Eco

British eco cleaning-chemical manufacturer, Delphis Eco has committed to switching 100% of its packaging needs to 100% UK-recycled waste plastic, creating what the company believes is the UK's very first 100% post-consumer recycled plastic packaging. As well as removing the need for virgin material from their operations, post-consumer recycled plastic generates 70% less carbon than making virgin plastic and has taken 500 tonnes of carbon out of Delphis Eco's operations.



## Encore Cistern

Encore is the world's first cistern to use condensate from air conditioning units to flush the toilet. This free, sustainable water supply has previously been drained to waste. Encore virtually eliminates the need to use mains water for toilet flushing and can be used globally in any building that has air conditioning. As an example, Encore could save the 114 UK hotels currently being built 218m litres of water a year. It also allows two BREEAM credits and LEED points to be claimed for a cistern.



## Propelair

Propelair is an entirely new type of toilet technology using displaced air and water to produce a high-performance flush requiring just 1.5 litres of water and saving up to 84% water usage and delivering an 80% carbon reduction. The system can be fitted to existing drainage and has been used across different industry sectors to reduce water, carbon and water cost savings. Additional benefits are a three-second flush, quick refill in less than 30 seconds, improved health and hygiene through a sealed lid, significantly reduced maintenance costs and it's easy to clean.



## NewGen Surgical

Much like the healthcare industry's emphasis on treating root cause by focusing on wellness and prevention, NewGen Surgical is doing the same. The company develops and manufactures sustainably designed, single-use medical devices and surgical products to minimise plastic waste from operating rooms. By redesigning products with more sustainable materials on the front end, we achieve a source reduction of plastic used, and a reduction of end-of-life plastic pollution in the environment.



## Rock Solid Packaging

Rock-pockets are a new packaging concept for the transportation of high value, delicate or breakable items. From a sustainability perspective the whole pack is made from compostable materials and will pass EN13432 compostable accreditation. Consisting of two compostable film layers and unique compostable beads, the pack works by evacuating air from the flexible laminate and beads, forming a strong protective pack around the product with zero damage to the contents. Compact, cost-effective and versatile it can be used with any shape of item.



## Wellcome and 3|10 Studio

The Yoghurt-Pot Sinks were designed by 3|10 Studio Architects in collaboration with Smile Plastics who create plastics from recycled materials, as part of the Wellcome Trust's 'Useless' Green Pilot initiative. The sinks, installed in the ground floor toilets at the Wellcome Trust's London headquarters are manufactured out of 100% recycled yoghurt pots, a UK-first, and feature a continuous narrow slot drain running the full length of the unit.

# Sustainability Reporting



## Capgemini

Through its “Enabling a Positive Future” report, Capgemini clearly outlines progress towards verified science-based targets for 2030. Each section of the report is introduced by a senior leader, and 30 senior executives were interviewed for a Materiality Assessment to define what goals – including carbon reduction and sustainable procurement – should be targeted. A sustainability scorecard illustrates data from each area, while progress is reported internally monthly. Webinars and social media extended the programme’s reach to more than 60,000 people



## EY EMEA

EY EMEA’s revamped sustainability report replaces lengthy PDFs with a three-minute overview animation covering six material sustainability issues for the firm, before leading into the digital report. A performance summary contains all the data used for the reporting, while case studies give readers a broader understanding of EY’s work. The report was published alongside a social media campaign to spark a debate among interested readers. The data has also been mapped to highlight progress towards the Sustainable Development Goals.



## Heineken UK

Conventional sustainability reporting has value from a transparency perspective. But to drive real environmental and social change, business needs its colleagues, suppliers, customers, consumers on board – and to get them on board, they need to be inspired. So, HEINEKEN UK rethought its reporting approach to clearly connect sustainability to the business, bring sustainability to life in a way that’s accessible to everyone, inspire and equip stakeholders (especially colleagues) with the knowledge needed to share our story far and wide. And they did it by telling its sustainability story with a tour of the entire company.



## MerchantCantos and Lloyds Banking Group

Lloyds Banking’s approach to reporting has seen the firm deliver a multi-channel offering tailored to different stakeholders. Those wanting high-level data can access Lloyd’s Helping Britain Prosper plan and examine progress towards goals based on a traffic-light approach. More detailed analysis is available online, where all data is publicly available within a responsible business reporting hub. A GRI G4 index and ESG datasheets have been added to financial disclosures to deliver one annual report.



## Nutreco

Nutreco has taken steps to clearly link its five KPIs to the Sustainable Development Goals, and illustrations and a two-minute video cover the firm’s materiality impacts in an easily digestible manner. Adhering to GRI principles, the report outlines how targets have been aligned to the SDGs. Nutreco signed up to the UN Global Compact to further strengthen these claims. Stakeholder quotes are listed throughout the report to add to the engagement, and these stakeholders can request a hard copy to dive deeper into the data.



## Sonae

2016 marked a new editorial concept for Sonae’s sustainability report. A story-driven approach links progress to the Sustainable Development Goals and visitors can build a customised report tailored to their interests. Whereas others have linked financial and sustainability reporting, this is the first time that Sonae’s sustainability progress was released as an individual publication. A separate GRI supplement also separates much of the data with the top line progress.



## The Crown Estate

The Crown Estate is setting new standards for transparency and sustainability. Over the last four years, it has pioneered natural capital accounting. Total Contribution is used to measure the wider contribution it makes, beyond financial return. It has developed new standards and indicators and the approach is now the basis for decision-making and its Integrated Annual Reports, giving stakeholders the information they need.



## PwC

This is the third year running that PwC has coupled its annual and sustainability reports into one digital format. This year’s iteration received 55% more visits during the first 24 hours of release, due to a social media engagement campaign. Interactive digital assets highlight progress against long-term targets, while a total impact framework is used to report the financial value of positive, societal impacts and compare it against negative environmental impacts.



## The Co-op

Launched four months earlier than usual, The Co-Op Way Report was announced at an AGM in front of 1,000 members and downloads of the report are five times higher year on year. Stats and targets are delivered in a Performance Data report which can be obtained separately from story-driven aspects of The Co-op’s strategy. The chief executive led the process for reporting priorities, which are examined against the Sustainable Development Goals, sector benchmarks and UK national averages.



## Virgin Media

Virgin Media’s sustainability report is for the many, not just the experts – going beyond the traditional methods of disclosure to proactively drive stakeholder engagement. While the report meets the expectations of experts by providing a thorough performance update, this approach is designed to engage the widest audience – customers and employees. The report was launched with digital storytelling using GIFs featuring Virgin employees, taking the performance story to the audience in a way that’s relevant, fun and true to the Virgin brand.



# Sustainable Building of the Year



## AccorHotels

AccorHotels opened its new build, flagship Novotel in London's Canary Wharf in April 2017. The new 313-room hotel has been designed sustainably with the aim of achieving a BREEAM excellent rating and includes a variety of sustainability features including combined heat and power and the use of local suppliers and eco-friendly products and materials throughout the operation. This hotel is also the first of AccorHotels' UK portfolio to be designed with a vegetable garden, in line with its plan to support urban agriculture by planting 1,000 vegetable gardens in its hotels by 2020.



## Canary Wharf Group

Crossrail Place, Canary Wharf offers a glimpse into the future of urban transport links, green infrastructure and sustainability. It is a place of sanctuary and leisure, epitomised by its rooftop garden and its lattice timber roof which has already proven to be a successful community facility, connecting two neighbourhoods: Poplar and the Canary Wharf Estate. The timber locks in approximately 83,770 kg in carbon dioxide whilst providing shelter to the exotic plants chosen to represent the heritage of the dock.



## House of Fraser and the Wildlife Trust BCN

House of Fraser's (HOF) new BREEAM-certified sustainable store in Rushden Lakes Northamptonshire not only meets BREEAM "Very Good" and holds an EPC A rating, but also works in harmony with the local wildlife, protecting and raising awareness on its biodiversity. Key features include use of FSC timber flooring, zero waste-to-landfill, a 6 x 8 metre living wall of more than 2,000 plants and an art installation of local birds made from upcycled waste. Plus, HOF has partnered with The Wildlife Trust (WT) to support their work protecting the neighbouring Nene Valley nature reserve.



## UBS

In 2010 UBS embarked on a major change programme to create a new sustainable London HQ at 5 Broadgate (5BG) and, by the end of 2016, to migrate all 6,500 staff to their new workplace whilst simultaneously decommissioning six legacy buildings. 5BG has many sustainability features, from its vast photovoltaic array and solar thermal water heating to its rain water harvesting system and energy efficient design. The sustainability of 5BG has led to a 53% reduction in average energy use.



## CLEAN UK

CLEAN is a key operator in the commercial laundry sector, employing more than 1,400 employees to deliver more than 130,000 workwear items and five million linen items each week. As part of CLEAN's ongoing growth plans, the concept of a super-laundry was engineered to create a custom-designed facility that supports and fulfils CLEAN's mission of being the most efficient and reliable laundry service for the UK's hospitality industry. Since completion, the Slough laundry has resulted in an increased turnover, increased capacity and a 32% reduction in CLEAN's carbon footprint.



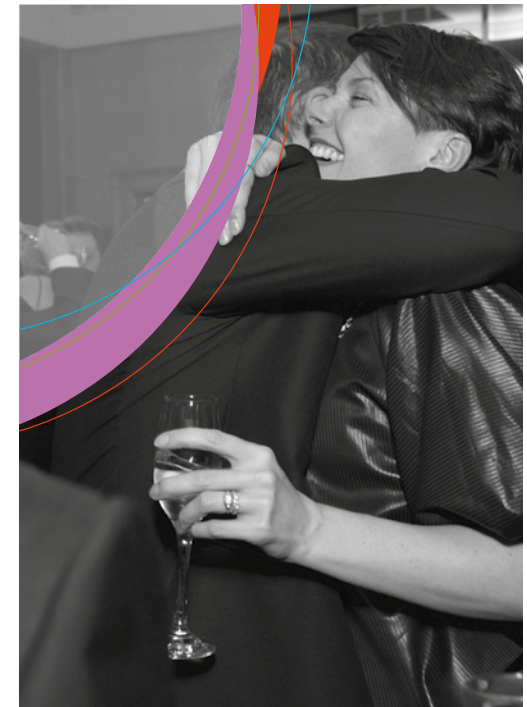
## Greengage

McKay Securities' 9 Greyfriars is the first building in the southeast to achieve BREEAM 'Outstanding' and an EPC A rating. This highly sustainable building has lower operating costs and was designed to incorporate features that enhance occupier health, wellbeing and productivity. The BREEAM achievement goes against the trend of green buildings having a performance gap between their design and construction. The project team managed to increase the BREEAM rating from 'Excellent' at design stage, to 'Outstanding' by the end of the construction stage and the building achieved three BREEAM innovation credits.



## YOOX NET-A-PORTER GROUP (YNAP)

In June 2017, YNAP opened its state-of-the-art Tech Hub, in the West London White City neighbourhood. Built to accelerate innovation and deliver best-in-class technologies, it is the new centre for digital expertise for YNAP and plays an important role in the White City regeneration project. The 70,000-square foot space brings together YNAP's UK tech teams under one roof and incorporates LED and motion sensor lighting, building management system (BMS) controls to regulate energy use, solar shading systems, data centre cooling systems and 2,459 indoor plants.



# Sustainable Business of the Year



## Adnams

Adnams has been operating as a family business for 145 years. Longevity, and therefore sustainability, is fundamentally critical to the business. The issues are brought into sharp focus by its dependency on energy and water and its proximity to the coastline. It was the first UK brewery to prepare carbon and water life-cycle assessments and make significant changes as a result, and has an eco-distribution centre. Adnams has also pioneered the concept of 'Environmental Gearing', linking environmental efficiency with established finance concepts.



## BASF

Sustainability is an integral part of BASF's corporate strategy. Based on its purpose "We create chemistry for a sustainable future", BASF strives to create value for the company, for its value chain partners and for society at large. To measure its contribution to a sustainable future, BASF developed a leading-edge approach to value its economic, social, and environmental impacts along the value chain in Euro-terms, helping shift the perspective on business performance from business accounting to a macro-societal view.



## Commercial Group

No business is truly sustainable. Commercial has interpreted a sustainable business as one which is fully committed to being the most environmentally and ethically responsible business that it can be. Commercial takes a holistic approach to sustainability, encompassing three pillars: the environment, society and the economy. By recognising these three areas, it endeavours to ensure that it remains a profitable business which continues to grow while maximising its positive contribution to the environmental and societal aspects of sustainability.



## DS Smith

DS Smith's four divisions work in circular synergy. Recycled materials constitute more than 80% of all its inputs and the company continually designs for recyclability. But sustainability extends beyond the business to focus on reducing the impacts of the supply chains of the largest FMCG brands globally. And the scores speak for themselves: Gold in EcoVadis (top 5%), Leadership A in CDP Water and Forests, Management B in Climate Change, and investors include DS Smith in MSCI, FTSE4Good and VigeoEiris.



## BaxterStorey

The very nature of the food service business means that BaxterStorey consumes huge amounts of energy and resource whilst producing massive volumes of waste. It works hard to manage and mitigate these impacts using its ISO 14001 certified EMS as a framework to deliver award winning environmental and social programmes, transforming the business not into just another business that does sustainability; but a business where sustainability underpins all goals and activities.



## Brau Union Österreich

Brau Union Österreich (BUÖ) is the biggest brewing company in Austria, and part of the international Heineken family since 2003. It produces more than 5 million hl of beer annually. BUÖ has set itself the goal of creating the best beer culture for the future and of taking up all the social and ecological challenges involved. BUÖ created the world's first 100% CO2 neutral major brewery but also pursues sustainability initiatives in all their breweries.



## IKEA UK

Sustainability is at the heart of IKEA's long-term business model and a part of its vision 'to create a better everyday life for the many people.' Last year it achieved zero waste to landfill across all UK sites four years ahead of target and recycled 90.6% of the 33,944 tonnes of waste produced, with 9.4% being used for energy recovery. The retailer has continued to produce energy from renewable sources, generating renewable energy equivalent to 43.4% of the energy used and aims for that to be 100% by 2020 across all operations.



## The Coal Authority

The work of the Coal Authority is to resolve the impacts of mining such as water pollution and land instability. It is committed to doing this sustainably by considering the economic, environmental and social impacts of its wider role. For the organisation, operating sustainably means striving to resolve the impacts of mining in a way which does not cause harm to, and where possible improves, the environmental or socio-economic standing of the areas in which it operates, while protecting the safety of the public and employees.



## Timberland

Timberland's past and future are motivated by a commitment to innovate and operate in an accountable and sustainable way, with a responsibility to care for the environment and advocate for global social justice. The company strives to be 'Earthkeepers' in everything it does; working hard to make products responsibly, to protect the outdoors and to serve the communities around the globe where it operates. This is embedded in every commitment and decision that the business makes, from responsible sourcing and tree planting to community outreach projects across the globe.



# Sustainable Supply Chains



## Anglian Water

The Anglian Water @one Alliance is a collaborative organisation of consultants, contractors and supply chain partners, working together to deliver more than half of Anglian Water's capital investment programme. The collaboration's purpose is to increase both project delivery and environmental efficiency around four objectives: reduced accident frequency rate, efficiency gain, embodied carbon reduction, operational carbon reduction. Unlike the previous project-based approach, the alliance enables the long-term integration of Anglian's supply chain.



## CRH and Achilles

With the turnover threshold for mandatory supply chain slavery reporting now set at £36 million for UK business, CRH, Lendlease and Great Portland Estates opted to go beyond obligatory modern slavery statement requirements. Selecting a new audit product developed by Achilles, the Labour Practices Audit, the three companies held on-site supplier audits to give greater visibility and understanding of a range of labour practices within their supply chains. This proactive approach has enabled contractor and supplier to develop a collaborative approach to tackle modern slavery.



## TerraCycle, Procter & Gamble and SUEZ

TerraCycle, P&G and SUEZ have created the first recyclable shampoo bottle made from beach plastic, establishing a unique supply chain that involves the support of thousands of volunteers and hundreds of NGOs collecting plastic waste found on beaches. TerraCycle manually sorts the plastic; SUEZ mechanically sorts, cleans and shreds it and sends it to P&G's bottle manufacturer for production into Head & Shoulders bottles. The first run of 170,000 shampoo bottles, the world's largest production run of recyclable bottles made with post-consumer recycled (PCR) beach plastic, appeared on shelf in Carrefour stores across France in June 2017. The expectation is a roll out to other European countries, starting with Germany and the UK in Q1 2018.



## Dixons Carphone and DHL Supply Chain

Dixons Carphone's 'Social Sustainable Development of Reuse' project was born from DHL's partnership with the Ministry of Justice. It sees Dixons Carphone's Waste Electrical and Electronic Equipment Directive (WEEE) products refurbished in a bespoke offender workshop. DHL's partnership with Dixons and HMPPS has unlocked both environmental and social value along the full supply chain, beyond the scope of the standard delivery and returns logistics process. This includes: the collection of old products when new product is delivered; re-use product sorting and selection at two selected Dixons warehouses; onward delivery by DHL to prison workshops, where offenders assess and sort product suitable for processing, re-use or scrap, with the refurbished goods delivered to charities and social housing projects for re-homing.



## Environment Agency

More than 70% of the Environment Agency's total environmental impact is in its supply chain. Quantifying the impact of its supply chain has transformed the corporate approach to reducing environmental impact i.e. reducing impact where it is greatest, which means looking beyond direct operations. This approach is fully embedded in 'e:Mission'; the agency's environmental sustainability plan to 2020. It includes a suite of corporately-reviewed supply chain reduction targets. Lifecycle thinking has been embedded into procurement processes and decision making to produce low carbon solutions while engaging with suppliers.



# Waste Management and Reduction



## Canary Wharf Group

An initiative on Canary Wharf Estate has fully embraced the circular economy joining property, retail and waste management sectors to recycle and reuse coffee waste. With the Estate welcoming almost a million visitors every week, it has 'seized the opportunity to ignite a resource revolution'. Through the creation of a closed-loop 'Clean Coffee Zone', coffee-related waste is now recycled and turned into new resources. As of the end of June 2017 the initiative had recovered more than three tonnes of coffee cups and 17 tonnes of coffee grounds driving an 18-tonne carbon reduction.



## G&P Group Holdings

G&P supplies quality management services to high-value manufacturing businesses around the world to help reduce their levels of waste. G&P's award-winning 'Quality Excellence Model' has helped the company's automotive and aerospace manufacturing customers reduce their levels of waste by more than £2.5bn in 2016 alone. Further analysis of the system's use shows that in 2016 it prevented more than 21.4 million parts from being turned into waste.



## Neighbourly

Neighbourly is the online platform that enables responsible businesses and individuals to support local causes with donations of money, time and surplus food. So far more than 1,400 tonnes of surplus food (1.9 million meals) have been donated through Neighbourly from companies including M&S, Lidl and Sainsbury's. This equates to a CO2 saving of more than 2,800 tonnes. As well as preventing waste, the surplus donations are distributed to community organisations that turn them into meals or food parcels to help those most in need.



## Schneider Electric UK

In 2014 Schneider Electric UK set out to achieve zero waste-to-landfill. Activity has included waste audits, changing to a single waste management supplier, implementing a simple '2 bin system' across the organisation, employee engagement initiatives like sustainability 'Moment of the Month' and annual 'Environment days, as well as placing waste KPIs on the agenda of each monthly senior leadership meeting. The result is that, less than two years later in December 2016 the business achieved its objective of sending zero waste to landfill.



## ISS

In early 2017 ISS undertook an ambitious proposal at Europe's largest food manufacturing plant - KraftHeinz Kitt Green - with the aim of 'Making Kitt Greener' by targeting environmental performance, service efficiency and waste management cost. The project aims to turn the largest Heinz factory in the world, into the figurehead of waste management excellence by providing an innovative solution to existing waste management issues on site. Milestones of this project take into consideration existing Heinz corporate efficiency targets whilst taking them one step further.



## Keltbray Environmental

Keltbray Environmental's role in the redevelopment of London Bridge station was to treat and recover multiple waste streams, divert them from landfill and facilitate their use at restoration sites. This involved taking waste soils, track ballast and concrete during the enabling works of the redevelopment works, much of which was hazardous. The objectives included minimising haulage and diverting 100% of the waste from landfill and more than 27,000 tonnes of waste was diverted, using barges for transport, eliminating 1,320 lorry journeys.



## Yeovil Hospital

An acute hospital will always produce clinical waste which needs to be disposed of safely to avoid spreading infection or causing injury to others. Options to reduce the amount of clinical waste are limited as safety will always be the over-riding factor. Despite this, Yeovil Hospital has reduced clinical waste by reducing the amount of packaging necessary whilst maintaining segregation and safety. This has been achieved by using re-usable sharps bins and replacing plastic 'burn bins' with cardboard. These schemes have reduced waste sent for incineration, which is the most unsustainable form of clinical waste disposal, by 50%



# Water Management



## Arçelik

Following its vision “Respects Globe, Respected Globally”, Arçelik A.Ş. built the first on-site process wastewater recycling system in its sector in Turkey at its Cooking Appliances Plant. Together with partners Istanbul Technical University (ITU) and the Scientific and Technological Research Council of Turkey (TUBİTAK) innovation support program, the project aimed to recycle and reuse 23,000cu m wastewater per year from the metal sheet coating process in the paint shop. It exceeded this target and reused 25,000cu m in the first year of operation, decreasing water demand by 9%.



## ATC Systemwide

To construct track bed for the Crossrail Tunnels ATC-C610 delivers 250 linear meters of concrete per shift from a 475m long concrete train. ATC has designed a bespoke washout facility at Plumstead Railhead to reduce waste, water and fuel consumption. The fundamental principle of this system is to clean and washout the concrete train into a three-chamber settlement pit. After pH and settlement treatment the water is suitable for reuse. The system processes and therefore reduces water demand by 10,000l of water per day.



## Limak Kosovo International Airport

As one of Kosovo's largest consumers of water, Limak Kosovo International Airport has completely overhauled its approach to water management. Five years ago, the airport relied on a single pipeline to wells 3km away that leaked and wasted c.47% of the (non-potable) water it drew from the ground. Today, thanks to an advanced reverse osmosis treatment plant to process rain and waste water, the airport has a world-class water management system that has more than halved overall consumption, while delivering the highest grade of drinking water to both passengers and our nearby communities.



## Siemens BAM JV

The SSE Melgarve substation project, delivered by the Siemens BAM JV, is in the upper valley of the river Spey catchment. The works comprise significant soil stripping and earthworks and access track operations adjacent to the river Spey. The river Spey is an SAC-designated site due to the high-quality populations of freshwater pearl mussels, sea lamprey, salmon and otter. Therefore, the project implemented a rigorous and effective water management plan to ensure the successful protection of this internationally significant watercourse.



## Cambridge Water and University of Cambridge

Cambridge Water, with the University of Cambridge, has developed the country's largest rainwater harvesting system for the university's North West Cambridge Development (NWCD). Along with the normal potable supply, it will deliver a high-quality, consistent and ecologically-friendly water supply to 8,500 people. This initiative demonstrates how developers and utilities can work together for mutual commercial, economic and environmental benefit.



## Greene King and Waterscan

Following the deregulation of the water market in England in April 2017, Green King worked in partnership with Waterscan, to effectively and efficiently procure water and manage consumption directly from the wholesaler; negating the need to go through an intermediary retailer – becoming the first organisation to apply for, and obtain, a water self-supply licence.



## Thames Water

Thames Water's Smarter Home Visit (SHV) initiative is the largest and most intensive water efficiency programme in the UK water sector. It includes: the integration of water efficiency and smart water meters; water saving device retrofitting; one-to-one customer engagement with bespoke water and energy efficiency behaviour change advice; personalised report for water, energy, money savings; free leaking fitting repairs; referrals to register vulnerable customers; referrals to independent debt advice. Since 2015 Thames has carried out more than 120,000 visits in London, Oxford and Newbury, installing 350,000 devices, saving around 11 million litres of per day.



## Wessex Water Services

EnTrade, created by Wessex Water Services, is an online auction platform for reducing diffuse pollution. The system allows farmers to bid to put in nitrate reducing measures, such as growing cover crops on fields that would otherwise be bare. EnTrade calculates savings based on details entered by the farmer, and gives real time results from the auction. EnTrade was devised to help reduce nutrients in Poole Harbour, an internationally important bird habitat. It delivers nutrient savings for a quarter of the cost of an asset solution, and could change the shape of catchment management.