

POWERFUL CAPABILITIES

no other fluid can match

10%

reduction in greenhouse
gas emissions on an intensity
basis in 2020

15.8 million

tonnes of CO₂ saved annually
by customers using products
purchased in 2020

78.6 million

m³ of water saved annually
by customers using products
purchased in 2020

STAND UP FOR SUSTAINABILITY

AMANDA WILLIAMS, HEAD OF SUSTAINABILITY AT SPIRAX SARCO

AS A FTSE 100 COMPANY AND CONSTITUENT OF THE FTSE4GOOD INDEX, SPIRAX-SARCO ENGINEERING IS EVER MINDFUL OF OUR IMPACT ON THE PLANET AND WORKS TO ENSURE SUSTAINABLE GROWTH THAT BENEFITS OUR STAKEHOLDERS IN ALL OF THE COUNTRIES IN WHICH WE OPERATE WORLDWIDE. OPERATING SUSTAINABLY IS NOT ONLY THE RIGHT THING TO DO, IT ALSO MAKES GOOD BUSINESS SENSE FOR US.

At Spirax Sarco, our **One Planet strategy** is our commitment to sustainability as well as our roadmap to building a more sustainable future. It will guide our operations as we work with others, including our suppliers, customers and local communities, to leave a better world for tomorrow. We are building on a legacy of responsible business operations, investing in sustainability through six strategic initiatives that will deliver climate and environmental action, support our customers in delivering on their sustainability goals, build resilient and sustainable supply chains and stronger communities.

As we continue our corporate efforts against the threat of climate change, we must work together to protect our planet and people and ensure a

greener, more resilient future for us all. Each of us has a part to play in meeting the world's big sustainability challenges because we only have **One Planet**.

To address the impact of climate change and in conjunction with the launch of our One Planet strategy we have planted two trees for every one of our employees around the world who has pledged to standup for sustainability. In partnership with registered charity, One Tree Planted, we have planted 7,996 trees in total across six vital tree planting projects around the globe in Brazil, North America, India, Kenya, Denmark and Australia.



COP26

COP 26 FEATURE

We are honoured to be attending the World Climate Summit – Investment COP 2021, organised by the World Climate Foundation. This event is recognised as one of the most important official side events of COP26. It is the leading forum for business and investment-driven solutions to climate change, acknowledging the essential importance of collaboration and the “bottom-up” perspective in solving climate change. Rachel Pallett, our Steam Business Development Director will be joining the panel on ‘Investing in the Clean Energy Innovations of Tomorrow’.

7,996
TREES PLANTED
ACROSS
6 COUNTRIES



CLIMATE & ENVIRONMENTAL ACTION

OUR GROUP COMPANY, SPIRAX-SARCO ENGINEERING PLC, HAS LAUNCHED ITS REFRESHED SUSTAINABILITY STRATEGY AND ANNOUNCED SIX NEW TARGETS, DESIGNED TO ACCELERATE SUSTAINABILITY PERFORMANCE.

The new strategy builds on Spirax-Sarco Engineering's responsible business foundations which are underpinned by its focus on Health & Safety, People & Wellbeing, Inclusion & Diversity and Ethical Business Practices.

With over **8,000** people working in **68** countries worldwide, Spirax-Sarco Engineering is deeply embedded within the communities where it operates. Our Company's technologies play a crucial role in critical industrial processes responsible for the production of many products used every day. Our purpose is to create sustainable value for all its stakeholders by engineering a more efficient, safer and sustainable world.

One Planet: Engineering with Purpose is our refreshed strategic roadmap towards achieving leadership in industrial sustainability and to building a more sustainable future. More details can be found at spiraxsarcoengineering.com/sustainability/one-planet.

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ACHIEVE NET ZERO GREENHOUSE GAS EMISSIONS
BY 2030 IN SCOPES 1 AND 2

DELIVER A 10% BIODIVERSITY NET GAIN
FROM DIRECT OPERATIONS BY 2025

ZERO WASTE
TO LANDFILL BY 2025

FURTHER
RAISE GLOBAL SUPPLY CHAIN STANDARDS

ESTABLISH A £5 MILLION FUND TO SUPPORT INCLUSIVE ACCESS TO EDUCATION

INNOVATE MORE PRODUCTS
WITH QUANTIFIABLE SUSTAINABILITY BENEFITS

CUSTOMER SUSTAINABILITY

INDUSTRY-TARGETED ENERGY AUDIT SERVICES ALLOWS YOU TO MANAGE YOUR STEAM SYSTEMS AS EFFICIENTLY AND SUSTAINABLY AS POSSIBLE . Within Spirax Sarco there is no shortage of expert advice. Our divisional energy services manager EMEA Martin Corkery and global portfolio manager for services Sakis Palavratzis provide the details.

Companies face many environmental sustainability challenges for their steam systems. These include:

OPTIMISATION OF STEAM, ENERGY & WATER DEMAND
.....
REDUCTION OF CARBON FOOTPRINT

REDUCTION OF THE STEAM, ENERGY AND WATER INTENSITY OF THEIR PRODUCTS
.....
INCREASED EFFICIENCY

LEGISLATIVE COMPLIANCE
.....
ACHIEVING CONSISTENT END-PRODUCT QUALITY & PRODUCTIVITY

Finding the right knowledge partner is critical to help you to achieve sustainability goals

Planning for engineering or operational management including service, maintenance and monitoring is key to establishing an all-encompassing energy management approach. Spirax Sarco provides holistic support for every phase of a steam system's sustainability challenges to comply with standards such as ISO 50001. Alternatively we can simply deploy the associated principles.

Our approach is underpinned by the four key principles of **PLAN, DO, CHECK** and **ACT**. Tailored steam system audits can range from a specific check of a single process to an entire steam systems include:

- + Complete steam generation
- + Condensate return
- + Steam distribution
- + Process applications
- + Water treatment

Bespoke engineered solutions for end-to-end steam systems can be provided. Ranging from high efficiency heat exchange and recovery systems, bespoke condensate recovery solutions to thermo-compressors for steam recompression and recovery. Energy storage with controlled deployment is a new development which

is aiming to reduce costs and lower carbon emissions for steam systems.

Monitoring steam systems for corrective and preventative actions

Accurate monitoring is a fundamental premise of any successful optimisation of steam systems. ISO 50006, for example, provides guidance on how to define, measure, monitor, and review energy baselines and energy performance. When the appropriate baselines and energy performance indicators are established they can be used to monitor energy performance and forecast future energy consumption. A reference point can be used to determine corrective and preventative actions. In line with these principles, expert advice can be provided by Spirax Sarco on the sizing and selection of flow meters together with the design and engineering of installations for water, fuels, steam and condensate. Our technical expertise is an integral part of our support and services for the design, implementation and management of Energy Management Information Systems (EMIS). Spirax Sarco successfully supports a multitude of industries from Food & Drink to Pharmaceutical Manufacturers with their sustainability and energy efficiency targets.

Upskill your team's steam system knowledge

Technical knowledge of steam systems helps you to achieve and, importantly, maintain more sustainable outcomes. Spirax Sarco offer a range of steam system courses suited to all levels of steam expertise and can tailor and deliver training in one of its dedicated training centres, online or a hybrid of both.

Your sustainability journey

As businesses endeavour to meet their environmental challenges, the need for environmentally sustainable solutions is greater than ever. You can be assured that Spirax Sarco will support you at whatever stage you are on in your sustainability journey.

FOR MORE INFORMATION ON STEAM SYSTEM AUDITS GO TO www.spiraxsarco.com/global/en-GB/services/steam-systems-audits

MANY OF OUR SENIOR LEADERS HAVE COME THROUGH THE APPRENTICESHIP ROUTE AND OUR CURRENT FOCUS IS ON ENGAGING WITH LOCAL COMMUNITIES TO PROVIDE ROLE MODELS AND INDUSTRY LINKS FOR LOCAL CHILDREN TO HELP INSPIRE THEM TO PURSUE A STEM BASED CAREER

GREG REPORTS

”

STRONGER COMMUNITIES

DIVERSE TALENTS

“ AS A COMPANY, WE ORGANIZE AND SUPPORT MANY DIFFERENT ACTIVITIES AND EVENTS LIKE THE CHELTENHAM SCIENCE FESTIVAL, INSPIRATIONAL SCHOOL VISITS, WORK EXPERIENCE OPPORTUNITIES, AND GRADUATE AND APPRENTICESHIP ENGAGEMENT DAYS. WE SEE DEVELOPING TALENT AS ABSOLUTELY CRITICAL TO OUR SUCCESS AND IT'S SOMETHING THAT HAS BECOME EVEN MORE IMPORTANT TO US OVER THE PAST FEW YEARS.

”

Sean Spencer joined Spirax Sarco in 2016 on the company's Graduate Programme and is now a Research Engineer for the company in the UK. He has recently had a project funded by EU Horizon and Innovate UK for the development of Thermodynamic cycles (CPC) to generate electricity from low grade waste heat streams for industry. He recently presented the project alongside an esteemed panel of experts at the IIR Rankine 2020 conference. Sean's tale is one of many success stories inspired by Spirax Sarco.

AGENT OF POSITIVE CHANGE

Despite the challenges posed by Covid-19, Spirax Sarco Ltd was proud to receive a RoSPA (Royal Society for the Prevention of Accidents) Gold Award for the fourth year

running in 2021. One of the most prestigious and widely recognized health and safety award schemes in the world, RoSPA awards recognize businesses that are as risk free and safe as possible.

THE HEALTH AND SAFETY OF OUR PEOPLE IS A PRIORITY AND ONE OF OUR CORE VALUES

GREG COMMENTS.

“ THE ROSPA AWARD PROCESS INVOLVES OUR BUSINESS SUBMITTING DETAILS OF WHAT AND HOW WE CONTINUE TO IMPROVE IN OUR HEALTH AND SAFETY JOURNEY. EACH YEAR WE DEMONSTRATE OUR RELENTLESS DRIVE TOWARDS ZERO ACCIDENTS, WHILST IMPROVING ON PREVIOUS PERFORMANCES AND SHARING BEST PRACTICES. THE AWARD MEANS A LOT TO THE BUSINESS AS IT DEMONSTRATES TO OUR CUSTOMERS AND EMPLOYEES OUR COMMITMENT TO HEALTH AND SAFETY, WHILST BEING A MORALE BOOST IN RECOGNITION FOR EVERYONE'S HARD WORK.

WE ALSO HOLD NUMEROUS ACCREDITATIONS WHICH WE SEE AS REALLY IMPORTANT TO BOTH OUR BUSINESS AND OUR CUSTOMERS. THESE ACCREDITATIONS ARE AUDITED INDEPENDENTLY AND HELP US TO DEMONSTRATE THAT OUR PROCESSES AND SYSTEMS OF WORK ARE ROBUST, REPEATABLE AND COMPLIANT TO THE HIGHEST OF STANDARDS. IN ADDITION TO PRESSURE EQUIPMENT DIRECTIVES AND COMPLIANCE TO STRINGENT INDUSTRY STANDARDS.

”



Health & Safety Awards 2021

OUR COMMUNITY IMPACT - RESPONSIBILITY IN ACTION

SPIRAX-SARCO ENGINEERING IS COMMITTED TO MAKING A DIFFERENCE TO OUR LOCAL COMMUNITIES. THAT'S WHY WE ACTIVELY ENCOURAGE ALL OUR COLLEAGUES AROUND THE WORLD TO USE THEIR 3 DAYS' OF PAID VOLUNTEERING LEAVE EACH YEAR.



Our Spirax Sarco UK and Ireland leadership team have been getting their hands dirty, helping out in the community.

Liam Donovan, Andrew Stewart, Adam Alcock, David Bird, David Bell and Gary Spencer spent the day helping out at Fair Shares Community Time Banks allotment.

Despite the hot sun they ploughed on tirelessly and helped with various projects, including making a wonderful communal fire pit.



3



DAYS

PAID VOLUNTEERING
LEAVE EACH YEAR


You see steam.
We see...

NATURAL TECHNOLOGY

Steam - this extraordinary, energy dense, fluid which is irreplaceable in all kinds of industries to heat, power and sterilize – leaving nothing but water behind. And with advancing steam generation solutions, steam is part of our sustainable future.

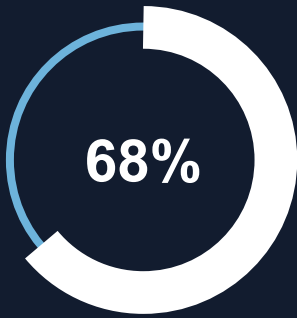
This is Natural Technology.

Discover Natural Technology at natural-technology.com

spirax
sarco  **GESTRA**

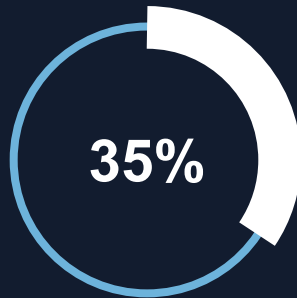
STEAM WILL BE CENTRAL TO THE TRANSITION TO GREENER TECHNOLOGIES

More and more industries and organisations are recognising steam as the Natural Technology that fits with their responsibility agendas. With new steam generation technologies, we're on a path towards carbon-free steam generation.



more likely to invest in greener steam technology following Covid-19.

% of survey respondents,
Source: Aggreko Report March (2021)



of all the UK's industrial heating is achieved by steam systems. Since **73%** of the UK's industrial energy demand is for heat, raising the efficiency of steam generation will make a huge sustainability impact long-term.

Source: Aggreko Report March (2021)



immediate energy savings through better maintenance and low-cost improvements of steam systems.

% of survey respondents,
Source: Aggreko Report March (2021)

LIFE DEPENDS ON IT

Steam lets us live on Earth.

The steam and condensate loop emulates the water cycle, which controls planetary temperature and provides hydration for all life.

Steam lets us leave Earth.

The Saturn V rocket used two of the biggest steam engines ever made.