Spirax-Sarco Engineering plc





Spirax-Sarco Engineering plc

Agenda

- 09.30 Arrival, welcome coffee/tea 10.00 Introduction C2S
- 10.05 Introduction and safety moment.
- Spirax Overview
- Sustainability Focus
- 10.40 Tours
 - **1. Students** (no PPE required) meeting Spirax colleagues, apprentices and graduates for discussion career journey. Tour of Tech centre and Assembly hall.
 - 2. Business leaders (PPE required) tour of factory follow process from start to finish.
- 12.00 Tour ends
- Wrap up summary and Buffet lunch.





UK Supply Footprint and Overview

Spirax-Sarco Engineering plc

Distribution

- 2450 parts stocked
- 35,000 product variances
- 500T per mth shipped
- 90+ Countries supplied

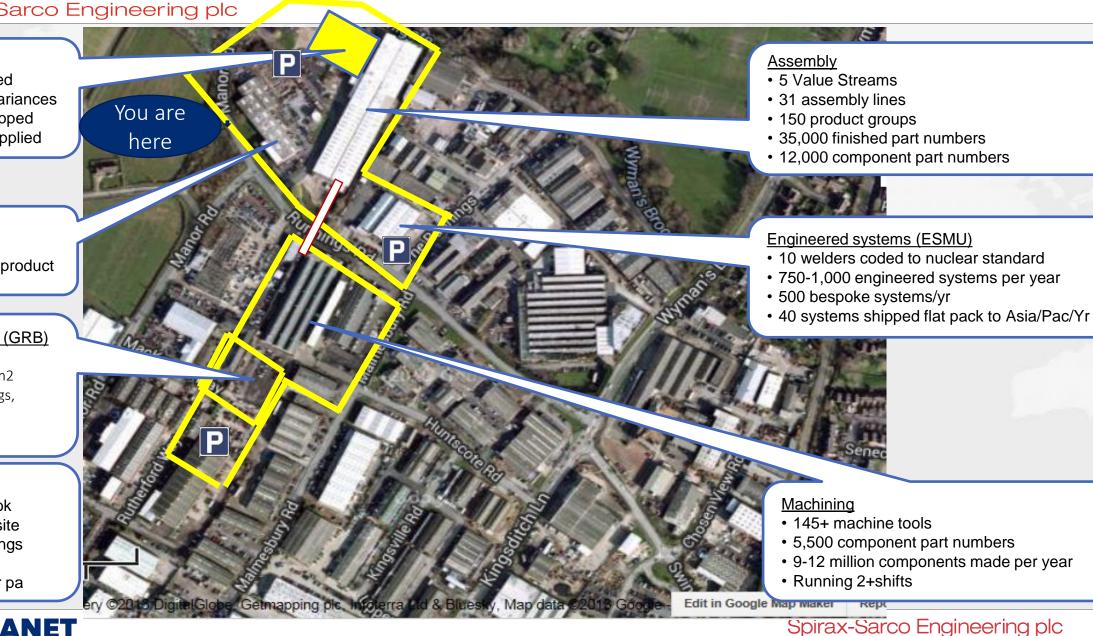
Steam Business Development Research and new product developments

Good Receive Bay (GRB)

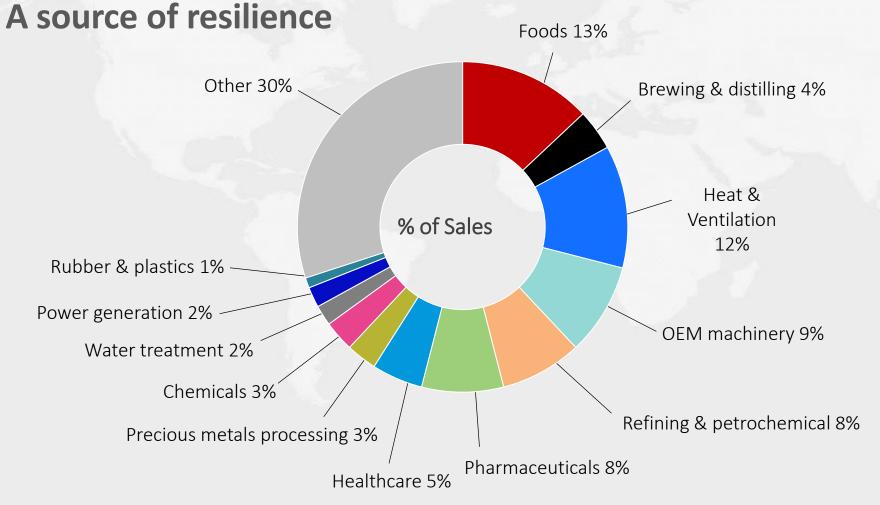
- Stock £4.3m
- Floor space 3,380 m2
- Storage; raw castings, forgings, bar.

UK Supply

- 5 week order book
- 64,000 m2 total site
- 23,000 m2 buildings
- 580 employees
- £100m+ turnover pa



Diverse markets and broad customer base



Largest industry segment 13% of sales and no single customer greater than 1%





Spirax-Sarco Engineering plc



Introduction to One Planet: Engineering With Purpose Sustainability Strategy

Our Purpose

OF Colleagues



Our Purpose – Create sustainable value for all our stakeholders as we engineer a more efficient, safer and sustainable world.



To create *sustainable value for all our stakeholders* as we engineer a more *efficient, safer* and *sustainable* world







Our Sustainability Mission

To become a global leader in industrial sustainability by operating responsibly and leveraging our expertise and influence to deliver solutions that address global sustainability challenges.



6

Welcome

Sustainable Packaging and Biodiversity | Spirax Sarco Engineering PLC



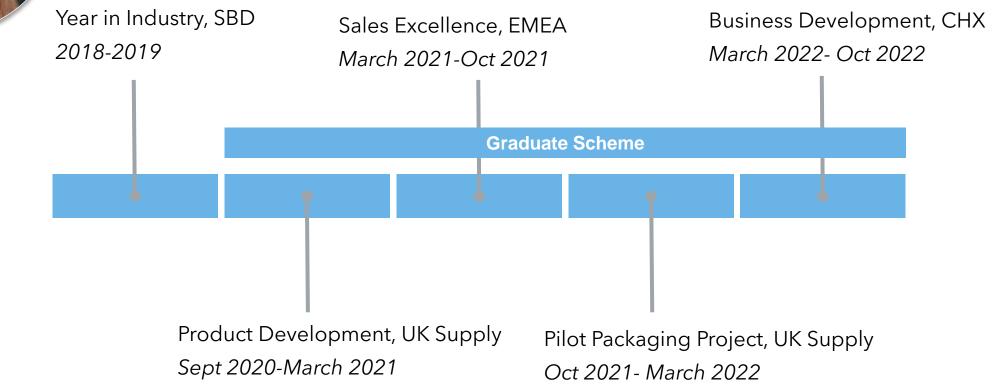


Spirax-Sarco Engineering plc



Ashaleigh Robinson

Business Development Manager, EMEAI, Chromalox



Introducing our Cheltenham Company So what do we do?



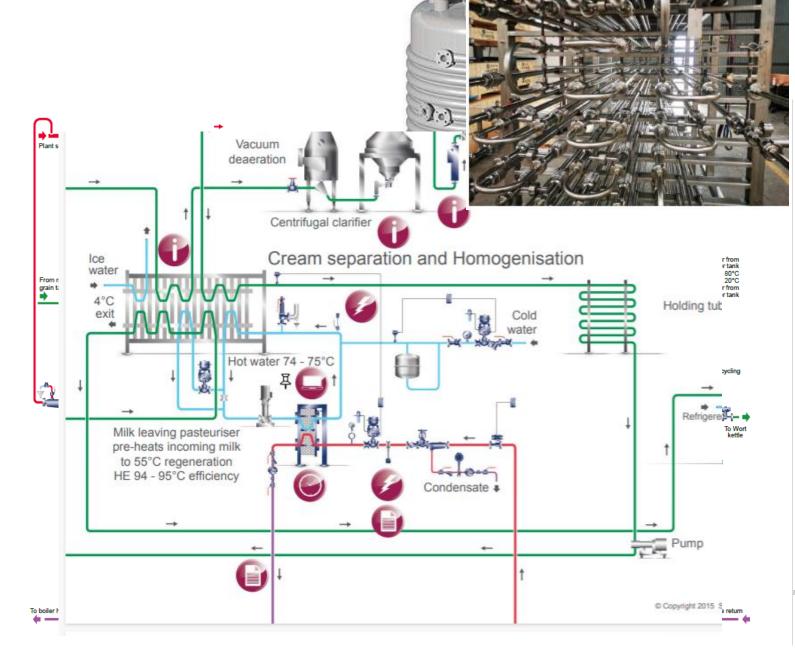


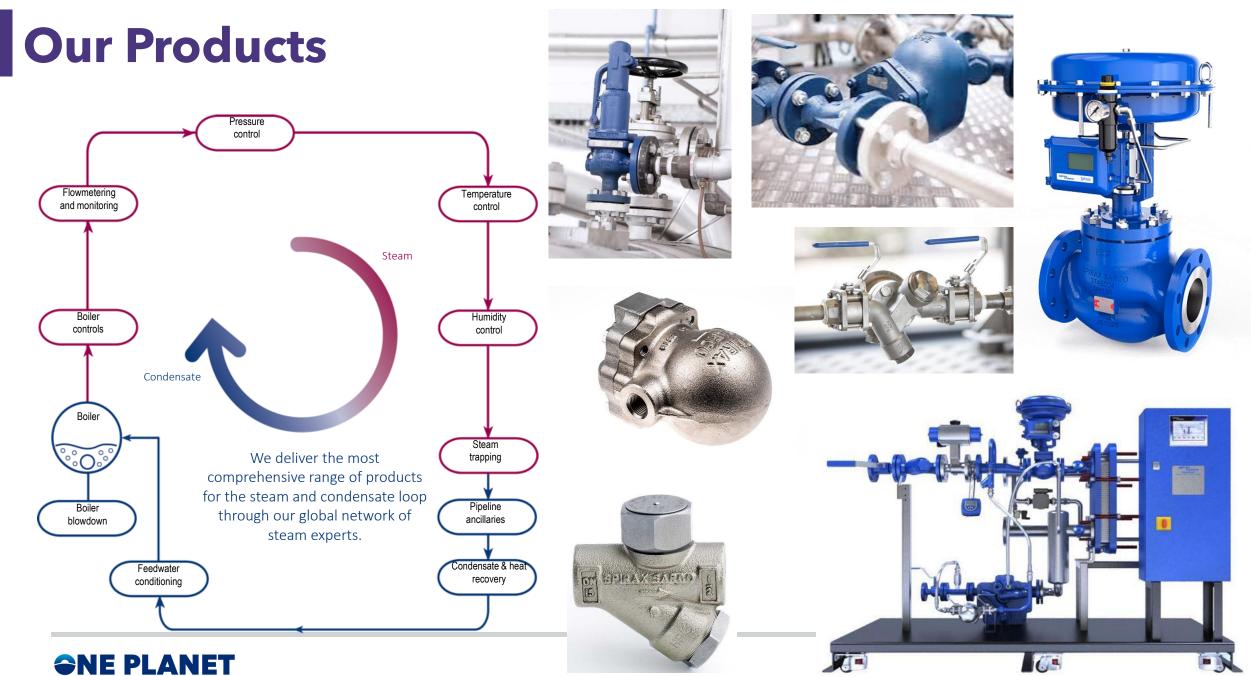


ENGINEERING WITH PURPOSE

First for Steam Solutions







ENGINEERING WITH PURPOSE

UK Supply | Manufacturing

Runnings Road, Kingsditch Trade Park

UK Sales | Sales Company

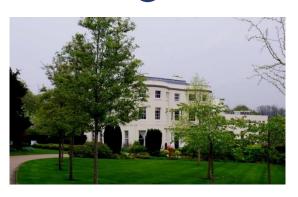
Northcroft House, Charlton Kings

Spirax Sarco Engineering PLC | Head Quarters

Charlton House, Charlton Kings







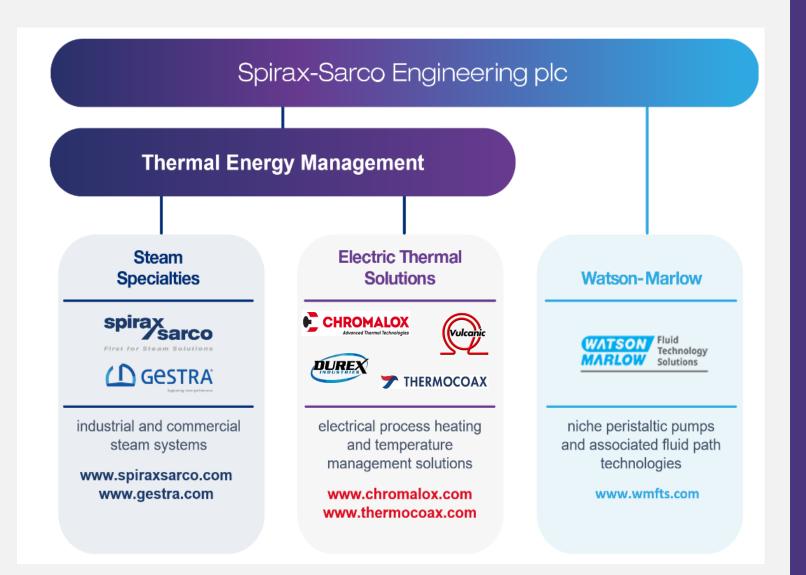






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Spirax Sarco Engineering PLC



CONE PLANET ENGINEERING WITH PURPOSE

Our purpose at Spirax-Sarco Engineering is to create sustainable value for all our stakeholders as we engineer a more efficient, safer and sustainable world.

One Planet – Sustainability Strategy

What are our focuses?





Reach Net zero by 2030

Deliver a biodiversity offset equivalent to the footprint of our global ops by 2025

Reduce water consumption by 15% by end of 2025

Eliminate all non-recyclable, nonbiodegradable or virgin packaging by 2025

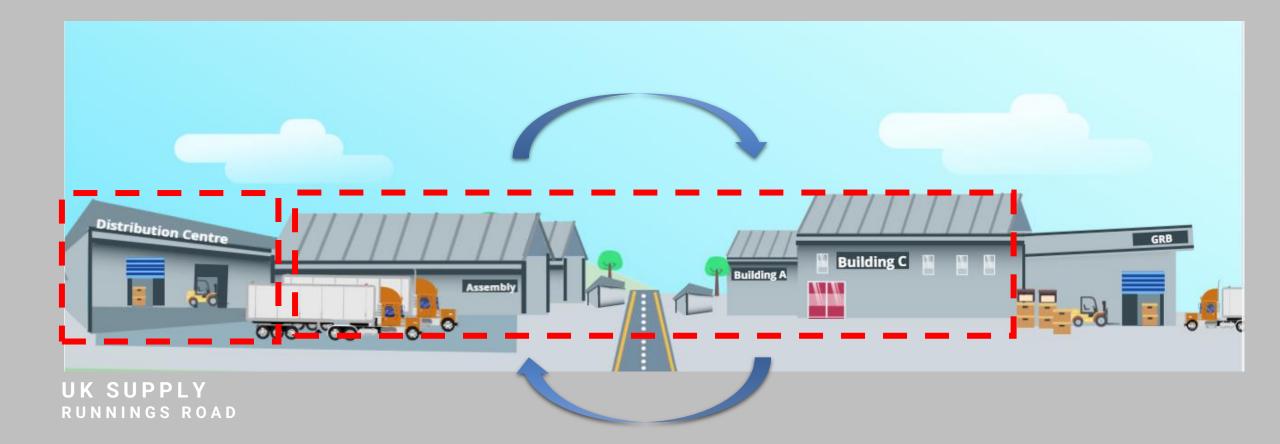
Embed sustainability criteria in all new supplier and purchasing qualification by 2023

Deliver 150,000+ hours of employee volunteering by 2025

ENGINEERING WITH PURPOSE

SUSTAINABLE PACKAGING INITIATIVE THE STEAM SPECIALTIES PILOT

Our Manufacturing Site



The Why?

October 2020 to September 2021

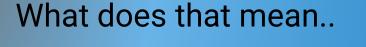
Plastic Packaging Used

98,000kg of plastic



200,000m² of plastic





568,000 IPhones

27 International Rugby Pitches

Run 1010 Teslas for a year



- Paper Usage 2520 kg
- 282 000 kg wood crushed and chipped



What are our focuses?



Paper Document Enclosed Envelopes



Eliminating the Use of Pallet Wrap Internally





Alternative Flange Protectors

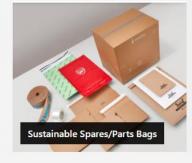






Reduction of Paper Use in the Warehouse









Replacing Plastic Banding (Primary Packed DPs)







What are we looking to replace?



What is it used?



- All Domestic and Export Parcels
- Some Primary Packaging

THE FACTS

The current product contains plastics, in fact annually, it is:

24900 m² /year

That's the same as:

Area of 21 Olympic Swimming Pools

Or equivalent to:

Heating a house for 21 Years

By implementing our new solution, we will reduce the amount of plastic we use

by :

100%, and less rolls of paper tape required **Our Solution**



Paper Tape

Benefits



- 100% Paper
- 100% Recyclable with Box
- Brandable

ENGINEERING WITH PURPOSE

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Spares Bags

What are we replacing..?

Range of Plastic Bags used in the spares and parts packaging



Replacing our plastic bags for our parts with cardboard and paper alternatives

Where is it used?

- Most product lines
- All spares lines

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Eco Score

THE FACTS

The current product contains plastics, in fact annually, it is:



22,000 m²

That's the same as:



by:

Surface Area of 18 Olympic swimming pools

Or equivalent to:

Area covered by 1 mile of dual carriage way

By implementing our new solution, we will reduce the amount of plastic we use

90% a year

Our Solution



SAMPLE #2







Benefits 100% Recyclable Made from Recycled Material



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What are we replacing ..?

Use of pallet wrap to transport



Find a re-usable solution for transporting our items internally.

Where is it used?

- Eco Score
- Across and between all three scopes

THE FACTS

The current product contains plastics, in fact annually, it is:



54,250 m²

That's the same as:



Surface Area of 43 Olympic swimming pools

Or equivalent to:



by:

Annual Output of 430 household solar panels

By implementing our new solution, we will reduce the amount of plastic we use

100%

Our Solution







Benefits

- Re-usable
- Easy to Store
- Long life span
- Repairable Easy to use

ENGINEERING WITH PURPOSE

Paper Documents Enclosed What are we replacing..?



Plastic Document Enclosed

What are they used?

- All Domestic and Export Parcels
- Envelopes for some product IMIs

THE FACTS

The current product contains plastics, in fact annually, it is:

1119 m²/year

That's the same as:

🎸 6 Tennis Courts

Or equivalent to:

35 Hour Flight

By implementing our new solution, we will reduce the amount of plastic we use by :

🗧 100% a year

Our Solution



Paper Document Enclosed

Benefits 100% Paper 100% Recyclable with Box

Paper Banding

What are we replacing..? Plastic Banding



1 *The current product contains* plastics, in fact annually, it is:

2064 m² /year

THE FACTS

If we look at how much CO₂ *is* that's equivalent to:

8900 Kg_{co2} / year

Which in Kwh output of an average power station of :



by :

Running 36 Teslas a year

By implementing our new solution, we will reduce the amount of plastic we use

100%







Benefits 100% Paper 100% Recyclable with Box

Replacing our plastic banding with paper banding alternative

What is it used?

- All Domestic and Export Parcels
- Some Primary Packaging



Sustainability Coffee Morning

Digitise work order, currently received 200 pieces of paper a day! Tap leaking around sites

Netlon plastic netting wasted on daily basis and becomes unfit for use leading to further waste. Is there something else we can do?

Constant air leaks in compressor lines causes wasted energy as compressors constantly recharging. Air lines need maintenance

> Large amount of scrap/waste around the business due to fixable errors. Make a initiative to educate and address

> > Spirax-Sarco Engineering

The Impacts

So far, annually..



88,000m² of plastic



47,100 kg Co₂ reduction

What does that mean..

16, 100 Laptops



12 International Rugby Pitches

Run 190 Teslas for a year

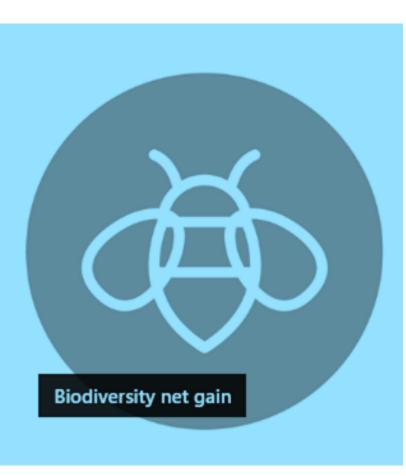
£18,000* Cost Savings

Based on Tape, Document Enclosed, Banding, Pallet Wrap and Paper Save

- Reduced paper use by 2520 kg
 - 282 000 kg wood reused
- 1000 kg plastic we receive, recycled



Biodiversity



New partnerships with local communities focusing on environmental sustainability

Creating or restoring habitats

Raising awareness and providing opportunities for biodiversity

Reducing the environmental impact of our plants and sites

What are we doing locally and globally?



UK Supply | Manufacturing Runnings Road, Kingsditch Trade Park



CONFIDENTIAL | and/or source information

What are we doing locally and globally?















What are we doing locally and globally?

UK Supply | Manufacturing Runnings Road, Kingsditch Trade Park





CONFIDENTIAL | and/or source information

What are we doing locally and globally?

UK Supply | Manufacturing Runnings Road, Kingsditch Trade Park







South Africa









CONFIDENTIAL | and/or source information

THANK YOU

Pilot Packaging Project | UK Supply | Ashaleigh Robinson





Spirax-Sarco Engineering plc

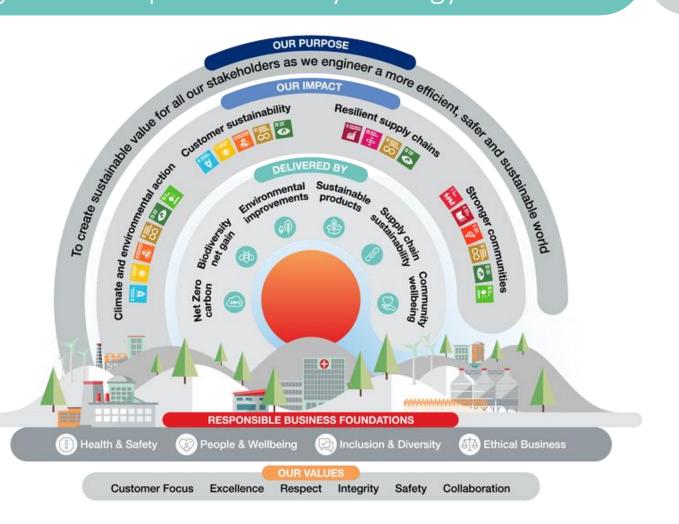
One Planet: Engineering with Purpose Delivering our Vision and Mission through our Group Sustainability Strategy

Through **six** strategic initiatives we will deliver:

- Climate and environmental action
- Customer sustainability
- Resilient supply chains
- Stronger communities

to achieve our Company purpose.

We are acting today to meet the world's sustainability challenges because we only have **One Planet**.



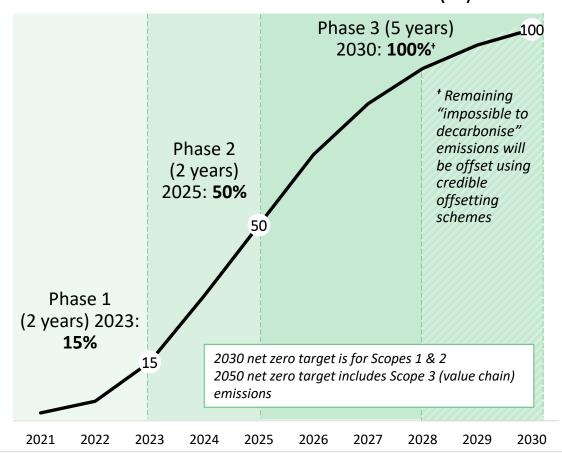


Spirax-Sarco Engineering plc

Strategic Initiative 1 Deliver Net Zero Greenhouse Gas Emissions



Absolute Emissions Reductions (%)



4 key activities & 2025 targets:



Reduce energy use

30% reduction in Group energy use from plant, equipment and building assets by 2025



Decarbonise industrial processes by substituting fossil fuels for green electricity 50% reduction in Scope 1 and 2 GHG emissions by 2025, compared to a 2019 baseline



Transition to green energy contracts and renewable generation

80% of electricity sourced or self-generated from renewable sources by 2025

Reduce travel and transition to electric vehicles

60% of vehicle fleet to be electric by 2025 & a 15% reduction in travel (Scope 1)



35

Protect and **restore biodiversity**, delivering a 10% net gain on our operational footprint by 2025



Charitable partnership to deliver a biodiversity offset 5x our global footprint



Deliver **biodiversity net gain of +10%** for all new manufacturing sites and facilities



Operating Companies to deliver **at least one biodiversity improvement on each site** or in the community by 2025



Manage our manufacturing operations to minimise risks to biodiversity





Spirax-Sarco Engineering plc

Strategic Initiative 3 Implement Environmental Improvements in Our Operations





* Subject to regional waste processing limitations outside our control e.g. asbestos disposal ** Unless mandated by customer requirements and with GEC approval

Strategic Initiative 4 Grow Sales of Products with Quantifiable Sustainability Benefits





Life cycle Quantify the whole life cycle footprint and sustainability benefits of selected existing and all new solutions

Sales growth

Grow sales of solutions with quantifiable sustainability benefits to customers



Packaging Eliminate all virgin, non-recyclable or nonbiodegradable packaging by 2025



Knowledge Increase and improve market intelligence & Voice of Customer around sustainability

By embracing engineering with purpose and increasing our focus on the environmental impact and performance of our solutions, we can contribute to a better world now and for future generations.



Supply chain sustainability is critical for a healthy, lower-risk, high-performing supply chain



Define, identify and engage high-risk & strategic suppliers

Introduce a supplier sustainability monitoring platform

Refresh our Supplier Sustainability Code

Include supplier sustainability criteria in supplier selection and standardise sustainability auditing of key suppliers 80% 100% uppliers Suppliers

SuppliersSuppliersconfirmed asconfirmed ascompliant bycompliant by20252030



Reduction in carbon footprint by 2030



Reduce our Scope 3 greenhouse gas emissions from relevant emissions sources Category 1 (purchased goods and services) and Category 4 (upstream transport and distribution)

ENER PLANET

Strategic Initiative 6 Support the Wellbeing of People in our Communities



Community engagement: All activities or charitable donations designed to have a positive impact on our local communities

Four principal mechanisms:





Company cash donations

Colleague Company in-kind donations donations

Employee Volunteering

All colleagues are entitled to three days of paid volunteering leave each year





Giving today for a better tomorrow

Targets

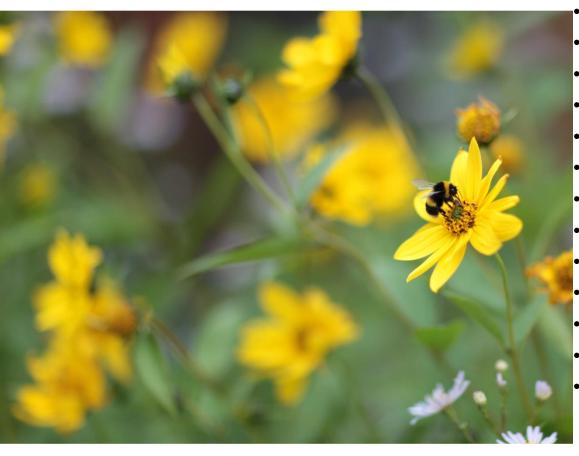


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- 150,000+ hours of employee Ο volunteering by 2025
- >90% of colleagues to complete at least Ο 1 day of volunteering per year by 2025
- £2 million of cash or in-kind donations \bigcirc (cumulative) made by our Group Companies by 2025
- Establish an Education Fund and donate Ο at least £5 million by 2030



Examples of some of the actions taken



- Removed solvent based paints from our process
 - Removed environmentally harmful chemicals
 - 100% renewable energy contracts
- Focused on packaging waste
- Reduction on consumption; water, energy.
- Recycle/repurpose
- Zero to landfill
- Removed gas powered CHP, converting to renewable electrical supply.
- Investments made with environmental benefits
- Fix and maintain leaks (air, water)
- LED lighting
- **Biodiversity projects**
- Sourcing decisions
- Involved everyone; 'everyone included'

"Many little actions collectively make a meaningful difference"



SNE PLANET ENGINEERING WITH PURPOSE

Questions?



C2S South West Business Awards 2023

In recognition of excellence in business and to celebrate individuals and organisations' success

Venue: Manor by the Lake, GL51 6PN

Wednesday, 21st June 2023



Proud to be working with the South West, Worcestershire, and Midland's leading businesses

www.c2sbusinessawards.co.uk | info@circle2success.co.uk

C2S South West Business Awards 2023

10 Categories to Enter

Sustainability Award Leadership Award Talent, Training and Development Award Employee Engagement Award Culture & Diversity Award Community Award Growth Award Employee of the Year Employer of the Year >15m Employer of the Year 15mil+



Proud to be working with the South West, Worcestershire, and Midland's leading businesses



Thank you to our Sponsors













Gloucestershire College

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C2S South West Business Awards 2023

Sponsorship Opportunities Available

Headline Sponsor Category Sponsors Event Programme Sponsor



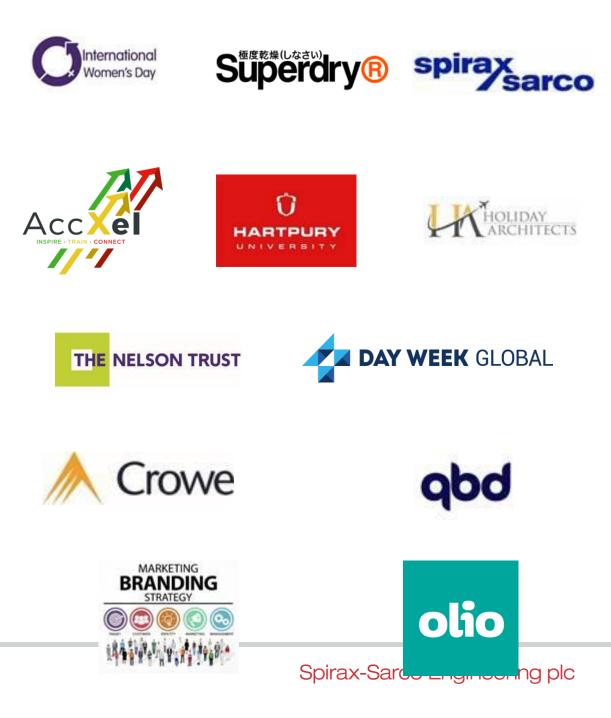
Proud to be working with the South West, Worcestershire, and Midland's leading businesses

C2S Leadership Month

4 Business Critical Topics

Culture and Employee Engagement Sustainability Leadership Brand & Marketing

6th March – 31st March





BUSINESS SUPPORT + ONLINE + IN PRINT + IN PERSON

C2S CHARITY

GOLF DAY

Friday 21st April 2023

Brickhampton Court Golf Complex Gloucester GL2 9QF

> Golf: 9.00am - 6.00pm Dinner: 6.00pm - 8.00pm

The C2S Charities



JOIN US FOR PRIZE GIVING DINNER

How to Get Involved

- Enter a team £340 for 4 ball
- Join us for dinner & prizes £35
- Sponsor a hole
- Donate a raffle prize
- Visit the charity showcase

Find our more: info@circle2success.co.uk

All prices plus vat.



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Arrival: 10:30am Cricket: 11am Buffet Lunch: 1pm Afternoon Tea: 4pm



THANK YOU





Tour plan Business leaders Tour

- We plan to tour the facility starting at Goods Receiving where our materials arrive.
- We shall walk the process through machining, Clean Steam Pharmaceutical facility
- We shall then go to our Engineered Systems facility
- We will tour through Assembly
- We will then see our Finished Goods Warehouse & Despatch.
- Back collaboration Rooms.





Health and Safety Brief

- > The health and safety of employees and visitors is of primary importance.
- > Therefore on the tour you will all need to have Safety shoes, safety glasses and an orange Hi-Viz
- > We have no planned fire drills so if the alarm sounds please follow tour guide
- > Can I ask that during the tour you stay at all times with the tour guide
- > We are going into a working operational factory.
- > Fork lift trucks will be in operation. Please ensure you keep away from them.
- > We may have a number of machine moves taking place and we will ensure you are kept away from any risks
- During the tour you may be tempted to handle products as some of them may be hot, have sharp edges and may be covered in oil. Please avoid.
- > Please feel free to ask any questions we will endeavour to do our best to answer them.
- > If you wish to take pictures of the process or products we have no problem (discretionary).
- > Please be respectful when taking picture of employees as permission from the employee must be sought.
- > We are aiming to get you back here at 12.00
- > Any questions at this point?
- > Enjoy the tour.



UK Apprenticeships





WE ARE HIRING



ADVANCED MAINTENANCE APPRENTICESHIP

ADVANCED CRAFT APPRENTICESHIP

ADVANCED TECHNICIAN APPRENTICESHIP

Please visit the website below to apply

https://earlycareers.spiraxlife.com Applications close 31st March





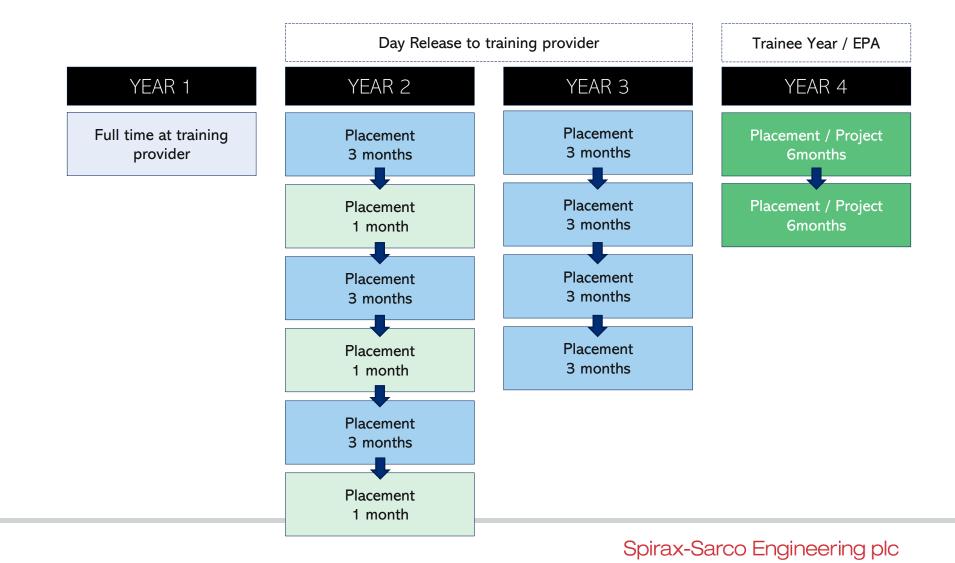
SXS Apprenticeship Overview

Aim:

To learn, contribute and provide exposure to the company to demonstrate the required knowledge, skills and behaviours for End Point Assessment.

Current Offering:

- Technician
- Craft
- Maintenance
- Electrical





The Apprentice Committee, Est 2018

- The Apprentice Committee is made up of 8 current apprentices from both the Craft and Technical fields.
- A new Chair and Co-chair are democratically elected each year from the 4th year apprentice pool.

ORGANISATION & MANAGEMENT

- Unified voice for the apprentices to be heard.
- Reduce reliance on line managers and HR.
- Democratically lead
- Organise organisational activities distributing workload
 - Site tours
 - Career events

EDUCATION & DEVELOPMENT

- Drive through improvements in the apprenticeship programme.
- Organise educational visits
- Organise training
- Practice organisation & time management skills.



MENTAL HEALTH & WELL-BEING

- Create a support network
- Mentoring programme for younger apprentices (buddy scheme)
- Arrange inclusive social events
- Engage with the wider organisation
 1. SEC
 - 2. Social Committee
 - 3. Charity Committee



Business Areas



SALES & SERVICE

We have a direct sales presence in over 60 countries, serving over 100,000 direct buying customers in 130 countries worldwide. With our direct sales channels accounting for over 70% of our global revenue, our technically-expert sales force is at the heart of our business.



TRAINING

We help our customers identify any in-house engineering knowledge skill gaps and help to address them by offering a wide range of training courses in our 59 training centres worldwide.

ENGINEERING WITH PURPOSE



SUPPLY & MANUFACTURING

We manufacture over 1,500 core product lines globally. They encompass industrial and commercial steam system products, electrical process heating and temperature management products, and peristaltic and niche pumps and associated fluid path technologies.



CORPORATE FUNCTIONS

Since we operate in both mature and emerging economies, in almost all industrial sectors and given our unique global coverage, we need the best Human Resources, Finance, Legal, Sourcing, Procurement, Marketing & Communications professionals to help us navigate our continued growth.



RESEARCH & DEVELOPMENT

Through innovative R&D we continually develop and enhance our already broad range of products, pre-fabricated packages and site services so that we can continue to meet our customers' changing needs.



AUDIT

To keep our customers' systems operating efficiently, we offer a comprehensive range of site audits, maintenance services and digital monitoring solutions.

ng plc

What we offer in return ...



Enhanced holiday

entitlement

Life assurance

Group personal pension scheme

Gym rates



Social & charity committee

Cycle scheme

Company Benefits

a few of these are ...

Subsidised restaurant

Development opportunities

Share save scheme

Private

health care











\$\$\$

Post-Apprenticeship Roles

We have an excellent success and retention rate, with previous learners having gone on to take up the following roles upon completion of their apprenticeship:

