



CASE STUDY

CELEROS FLOW TECHNOLOGY: DRIVING GLOBAL ISO EXCELLENCE AND NET ZERO PROGRESS ACROSS HIGH-ENERGY OPERATIONS

CLIENT: CELEROS

LOCATION: UK

Highlights:

- ISO excellence
- Net Zero strategy
- 20% energy savings

THE CHALLENGE

Our consultants and engineers have been working alongside the client's internal EHS and Facilities team for over a decade to support legal compliance, optimisation and retention of ISO management systems and supporting them on their journey to net zero.



info@arthian.com



www.arthian.com



+44 (0) 3301 200 151

THE CHALLENGE (continued)

Services provided include:

- Annual environmental legal compliance audit, legal registers and quarterly updates.
- Net zero international strategy development, carbon footprinting, energy opportunities assessment and training delivery as part of ISO systems implementation which fed into global operations net zero strategy.
- Environmental (ISO 14001) and Energy Management Systems (ISO 50001) consultancy
- Energy Management Systems ISO 50001 initial and annual review/ re-baselining as required according to significant change, and EnPI (energy performance indicator) analysis and support.
- Training for staff on ISO 50001 energy management systems awareness and energy auditing and opportunities assessment.
- Awareness training for staff – ISEP Foundation Certificate Course in Environmental Management.

Technical support and guidance with the assessment and verification of the company's global carbon footprint (Scope 1, 2 and 3) and development of the organisational Net Zero Plan. Arthian worked in collaboration with Celeros to:

- Re-baseline their Scope 1 and Scope 2 greenhouse gas (GHG) emissions based on the sale of the filtration part of the business.
- Review and verify global Scope 1 and Scope 2 carbon footprint for the 2024 reporting period.
- Guide the quantification of the emissions from Scope 3 Categories 6 (Business Travel), 7 (Employee Commuting) and 11 (Use of Sold Products).
- Identify practical reduction opportunities to reduce Scope 1 and Scope 2 emissions in the business structure globally, i.e., specific potentially viable projects with identified savings.
- Identify and set suitable science-based targets, short-and long-term Net Zero targets for the business.
- Undertake GHG Emissions Trajectory Analysis and Modelling including Business-as-Usual (BAU) scenario, SBTi Pathway aligned with the 1.5°C reduction trajectory set out by SBTi scenario, Active Decarbonisation scenario.
- Develop and update a Net Zero Plan on a Page, summarising and visualising the Net Zero Goals, Strategic Priorities and Actions across Scope 1, 2 and 3, as well as Leadership and Governance commitments and priorities.
- Develop a Sustainable Procurement Report to inform the next steps in setting up new processes and requirements to target actions for Scope 3 Purchased Goods and Services, i.e., to expand data capture and improve data quality from the supply chain before looking at supply chain emission reduction activities.



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THE SOLUTION

Arthian's collaborative approach to project delivery has helped to overcome challenges with stakeholder engagement globally, particularly, through regular, prompt and timely communication and updates (via conference calls, emails) with the stakeholders, use of engaging tools/materials during workshops to collect stakeholder feedback and ideas on carbon reduction strategies and prioritisation, personable, transparent and flexible approach to data collection, data analysis and response to stakeholder enquiries and requests for clarifications.

Deliverables from the Carbon Footprint and Net Zero support provided will be used by Celeros to feed into their global Strategy for achieving Carbon Neutrality by 2035 and Net Zero by 2050, as well as to develop a business-wide Carbon Reduction Action Plan across sites globally and progress their Scope 3 (supply chain) carbon footprint reporting and supply chain decarbonisation.

PROJECT OUTCOMES

- Continued retention of ISO Certification.
- Improvement of legal compliance status.
- Completion of annual internal audit.
- Supported significant energy savings of over 20%, leading to a refresh of the energy baseline – driving further performance improvement.



“EHS compliance and net zero are priority areas for the site. The Arthian team continue to be a valued go-to service provider – from regular onsite services and training delivery through to specialist one-off projects.”

Scott Duncan, Global EHS Leader



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