

Challenges:

At Dragon Engineering, the main sustainability challenges arise from balancing high-performance manufacturing with environmental responsibility. As a heavy engineering business, energy-intensive operations, material waste, and supply chain emissions linked to steel and raw material sourcing are key issues.

Addressing these impacts while maintaining production efficiency requires ongoing investment and improvement. The company has introduced energy reduction measures, improved waste segregation and recycling processes, and works closely with suppliers to ensure responsible sourcing.

Embedding sustainability awareness across the workforce is another key focus, ensuring all employees understand how small operational changes contribute to larger environmental goals. Dragon Engineering is integrating sustainability KPIs into its management systems and aligning processes with ISO 14001 and Net Zero pathways to achieve measurable impact.

Impact:

Engagement with the Supply Chain Sustainability School has been pivotal in supporting Dragon Engineering's sustainability journey. Through e-learning modules, workshops, and self-assessments, the company has gained valuable insight into resource efficiency, carbon reduction, and responsible procurement practices.

These tools have enabled the development of a structured action plan, aligning operations with ISO 14001 environmental standards and long-term Net Zero objectives. The training has also raised employee awareness, embedding sustainability into day-to-day decision-making, from sourcing materials to managing waste.

As a result, Dragon Engineering has improved reporting transparency, reduced waste generation, and strengthened collaboration with suppliers. The School's practical guidance has provided the foundation for continuous improvement and measurable progress across all areas of the business.

Value gained:

Membership of the Supply Chain Sustainability School has brought significant benefits to Dragon Engineering, improving both competitiveness and operational efficiency. Access to the School's resources and training has deepened understanding of client sustainability priorities, helping the company exceed environmental expectations in sectors such as energy, transport, and manufacturing.

The partnership has enhanced Dragon Engineering's reputation as a responsible and forward-thinking company, supporting successful bids for new contracts and alignment with client frameworks focused on carbon reduction and social value.

Fact box



Company

Dragon Engineering Company Ltd

No of employees

15

HQ

Swansea

Website

<https://dragoneng.co.uk/>

Main contact

Ddbmsltd@icloud.com

Services

Precision fabrication and installation

About

Dragon Engineering Company Ltd is part of the wider Steel Wood Group and specialises in precision fabrication and installation. The company delivers high-quality engineering solutions with a focus on reliability, innovation, and continuous improvement, supporting clients across multiple industrial sectors.



Case Study: Dragon Engineering Company Ltd

Through structured learning and assessment tools, the company has achieved greater supply chain transparency, reduced material waste, and increased staff engagement. Continued membership will support progress towards Gold Level recognition and further embed sustainability as a strategic priority.

Future proofing:

Dragon Engineering aims to achieve Gold Level status with the Supply Chain Sustainability School and expand sustainability training across all areas of the business. The company also plans to play a more active role in promoting engagement within the wider engineering sector.

Additional engineering-focused learning modules and advanced carbon reporting guidance from the School would further enhance its ability to drive meaningful industry change.