

Our carbon reduction journey

Lionweld Kennedy Group, part of Hill & Smith PLC, has been manufacturing steel access products in the UK for over 100 years and now, more than ever, we are committed to protecting the world we live in and enhancing lives through our ESG initiatives.

We are actively working towards a more sustainable future and minimising our impact on the environment, and we are committed to being a **Carbon Net Zero organisation by 2040** (scopes 1 & 2 only).

To help us achieve this, we have developed a Carbon Reduction Plan to support reducing our carbon emissions over the next 5 years.

Email sales@lk-uk.com or call us on **+44(0) 1642 233 299** to find out more.

What have we achieved?



Solar Panels

Solar panels have been installed at our manufacturing facility in Middlesbrough. This is expected to generate an estimated 300,000kWh of electricity annually and reduce our CO2 emissions by 70 Tonnes each year.



Electric Forklifts

Our entire fleet of forklift trucks have been switched to fully electric models. The replacement trucks include the latest safety and electronic management systems for usage monitoring, which will help us to determine areas of waste in current vehicle movements and identify further opportunities for efficiency improvements. This has resulted in an annual reduction in the use of diesel of over 10,000 litres and an annual decrease in carbon emissions of approximately 25 Tonnes.



HVO to Heat Factory

Since Autumn/Winter 2022, our factory has been heated by HVO (Hydrogenated Vegetable Oil) which provides a 90% reduction in carbon emissions compared to the diesel previously used. This has resulted in an annual decrease in carbon use of 250 Tonnes.



Electricity Supply

The electricity supply for our site has been changed to 100% green tariff.

Wait, there's more...

Safegrid Design

The design changes to our Safegrid steel flooring panels has seen an estimated reduction in steel of over 185 Tonnes per year. In addition, the estimated electricity savings for this process are at least 6% (6.5kwh/Te reduction). These developments have resulted in Lionweld Kennedy offering the most efficient flooring specification possible to meet the loading and ball proof requirements of the British and European standards (BS 4592 – 0:2006 + A1:2012 (British) and BS EN ISO 14122 – 1:2016 respectively).



20% Electricity Saving

We have rationalised our product range, resulting in 20% of electricity saved due to less production, which will result in an annual reduction in electricity usage of 22kWh/Te.

20%



Remote Energy Monitoring

We have introduced a remote energy monitoring system with access to live data which will help us continue to identify areas of waste and additional opportunities to reduce carbon use.



ESG Monitoring

Greenstone ESG monitoring software has been implemented to ensure full traceability of scope 1, 2 & 3 emissions.



What are the results?

Since the introduction of our carbon-reducing initiatives in 2020, we have seen our carbon emissions reduce significantly year-on-year.

In 2021,
we emitted

667
tonnes of CO₂e

By 2022, this had
reduced to

158
tonnes of CO₂e

Total carbon
reduction from
2021 to 2022

76%

Lionweld Kennedy Group's scope 1 & 2 emissions are forecast to be below 100 tonnes by the end of 2023, with scope 3 emissions being reduced by 30% from our 2022 impact.

We have a number of actions planned for the future to continue to support our net zero target. For more information, please contact our team.

We are the UK's leading supplier of safe, compliant and sustainable access solutions in both steel and GRP. For more information on our products and services, please get in touch with our team today.

Email sales@lk-uk.com or call us on +44(0) 1642 233 299 to find out more.