

EDINBURGH
INSTRUMENTS

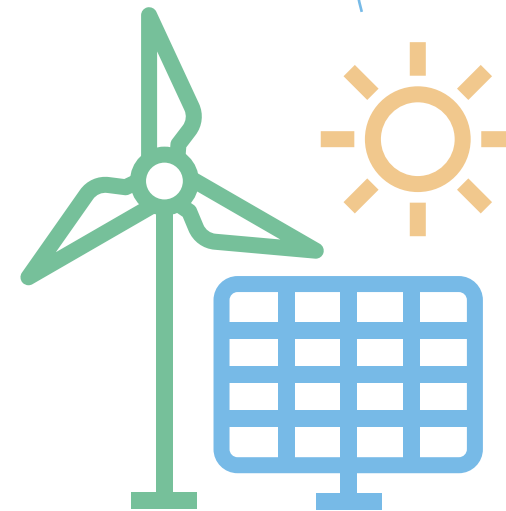


Edinburgh Instruments
**SME Climate Hub
Report 2024**



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Please note, this document follows the structure of the SME climate Hub report template.

Introduction

About Edinburgh Instruments

At Edinburgh Instruments, we harness over fifty years of pioneering expertise to deliver cutting-edge spectroscopic solutions. As a global authority in spectroscopy manufacturing, we focus on developing bespoke systems that push the boundaries in Photoluminescence, Raman, UV-Vis, FTIR, and Transient Absorption technologies, ensuring unparalleled quality and innovation.

Headquartered just outside of Edinburgh, the capital of Scotland, Edinburgh Instruments has an extensive global distribution network and a reputation for delivering quality products. Our customers matter most to us; we pride ourselves in providing the best sales support, customer service and technical advice to the industry.

Reporting Period

This report covers the period
1st January 2023 to 31st December 2023



**2023 is the first
year of reporting
for Edinburgh
Instruments**



Commitment and Targets

Edinburgh Instruments is a proud member of the SME Climate Hub, a global initiative that empowers small to medium sized companies to take climate action and build more resilient businesses. Through the SME Climate Hub, we commit to lowering our impact on the environment through authentic action, halving our emissions by 2030. In making the commitment, we have joined the United Nations Race to Zero campaign.

Our commitment:

- 50% reduction of Scope 1 & 2 emissions by 2030 (from our base year 2021)
- 50% reduction of our Intensity Ratio by 2030 (from our base year 2021)
- Net Zero by 2040



2040 is our net zero target year



Own Emissions

We aim to reduce emissions in line with our commitment, Edinburgh Instruments has a plan and is taking action.

Energy consumption

Total energy consumption
743,633 kwh

Renewable energy
190,637 kwh*

*Based on the electricity generation portfolio of our energy supplier.

Scope 1 emissions

Scope 1 emissions
89.4 metric tons CO₂e

Scope 2 emissions

Location based scope 2 emissions
80.6 metric tons CO₂e

Below we describe our plans and actions taken to reduce scope 1 & 2 emissions

Actions taken include:

- The installation of a heat reclamation system in 2021 has had the largest impact on our energy consumption so far
- Adjust heating temperatures
- Find energy usage reduction opportunities
- Reduce use of company-owned vehicles
- Fix draughty windows/doors
- Thermal imaging survey

Short and medium-term plan:

- Motion activated light sensors
- Solar PV installation
- Upgrade Building Management System
- Fleet electrification
- Insulation

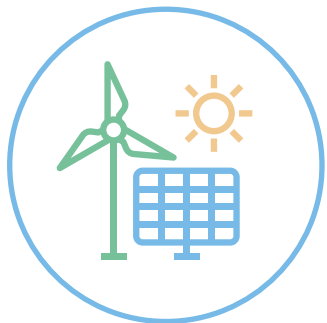
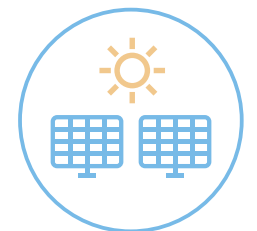
The official 2023 UK government conversion factors were used to calculate our emissions. Details can be viewed at the following web page.

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2023>



Fleet electrification is planned

Solar panel installation is planned



25.6%
Renewable Energy Use

Value Chain Emissions

Scope 3 emissions

Total scope 3 emissions
485 metric tons CO₂e

Supply chain related - upstream emissions

Waste in operations
3 metric tons CO₂e

Business travel
165 metric tons CO₂e

Employee commuting
170 metric tons CO₂e

Customer related - downstream emissions

Transportation and distribution (downstream)
89 metric tons CO₂e
Leased assets (downstream)
52 metric tons CO₂e

Not included in report

Freight (upstream), purchased goods & services, upstream transportation and distribution

Not relevant

Capital goods, franchise / investments, upstream leased asset, fuel and energy-related activities not included in Scope 1 & 2

Edinburgh Instruments have a plan in place and are taking action to reduce emissions from our value chain.

In 2023, we have:

- Started working with a new travel booking agency with improved reporting capability
- Installed EV charging points
- Implemented an EV purchasing scheme for employees, which complements our cycle to work

Our plan to reduce emissions from the value chain includes:

- Investigate the use of new technologies to limit the need for business travel
- Improve data collection
- Carbon budget for business travel
- Reduce the use of single use plastics

Employee cycle to work scheme



EV charging points have been installed

Employee EV purchase scheme implemented



Values based on best estimates

Results, Challenges and Outlook

05

Additional comments and context on our annual results and progress from previous years.

In 2023 Scope 1 & 2 emissions were reduced by 14% compared to our 2021 baseline. We observed a slight increase in energy consumption in 2023 compared to 2022 (in 2022 Scope 1 & 2 were reduced by 15% compared to our 2021 baseline) due to an exceptionally productive year. Our IR was reduced from 10.9 in 2021 to 6.3 in 2023.



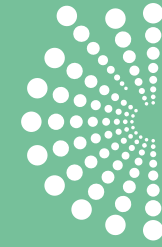
Our method to calculate the IR (e.g. IR = Intensity Ratio; tonnes of CO2e (Scope 1 + Scope 2) per total £m turnover

14% reduction in scope 1 and scope 2 emissions



42% reduction in Intensity Ratio





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