

Sustainability Action Plan



Electrical & Mechanical Services (UK) Ltd
Temporary Installations, Permanent Commitment

January 2022- January 2023, Carbon Footprint, 5109.00 Tonnes



ADDRESS

Unit 65,1 Sienna, White Hart Triangle, Thamesmead, London, SE28 OGW



TELEPHONE

020 8836 9000



EMAIL

info@emsuk.net



WEBSITE

www.emsuk.net

Foreword

This Electrical and Mechanical Services (UK) Ltd sustainability action plan is intended to meet the growing call from society and government for UK businesses to operate more sustainably; and there are benefits for companies in the construction industry which do so.

This fact sheet introduces sustainable construction for companies across the industry, whether or not they have made progress on sustainability to date.

Sustainability underpins future profits

A sustainable approach takes account of the need for your company to prosper in business, without seeking profitability at the expense of the environment or society. It recognises that decisions made now will have long term as well as short term impacts. Sustainability is sometimes termed the 'triple bottom line', because it involves a commitment to economic, environmental, and social objectives:

- **economic sustainability:** Increasing profitability by making more efficient use of resources including labour, materials, energy and water.
- **environmental sustainability:** protecting the environment from the impact of emissions, effluent, and waste and where possible, enhancing it and using natural resources, carefully.
- **social sustainability:** recognising the needs of everyone impacted by construction, from inception of a project to demolition. The list will include construction site workers, local communities, the supply chain, and people that will use the finished product.

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1. Environmental Management

Electrical & Mechanical Services (UK) Ltd outline an environmental project specific to give a clear indication of our responsibilities.

Electrical & Mechanical Services (UK) Ltd have been accredited the UKAS ISO14001 Certificate, which is clear indication that we conduct the correct manner in how our business is run while undertaking our responsibilities towards the environment and our sustainability.

All our staff have an induction, and toolbox talks from their managers/supervisors on a weekly basis, our in-house health and safety manager visits our sites on a regular basis to look after our employees and to attend meetings with our clients to ensure everyone's health & safety, wellbeing is considered.

Our pollution policies consider various problems or nuisances in areas in the construction industry. Our control measures, monitoring and measurements are detailed in our environmental plan.

2. Carbon Footprint

CO₂ Emissions

- Excessive CO₂ emissions from deliveries (deliveries can be block delivered where the client can allow a material & plant laydown area), we will also use local suppliers and deliver to other projects within the same area on the same deliveries where possible using our delivery software

- Excessive CO 2 emissions from site operations also client has LED striplight options and switching on the non essential standard power and lighting circuits available.
- Our energy efficiency measures are detailed in our environmental plan in which Electrical & Mechanical Services (UK) Ltd endeavour to deliver innovated ideas and realistic targets to our clients on a regular basis.

3. Efficiency Targets

Electrical & Mechanical Services (UK) Ltd efficiency targets are project specific as our company provide the temporary site services to the construction industry.

This means our electrical and water packages are implemented towards the utility's services within the footprint of the construction site we are working on.

All services are in conjunction with the local authorities to ensure all the correct water and electrical certificates are continuously issued, while offering sustainable and environmentally friendly installation packages.

4. Packaging, Waste and Deliveries

Electrical & Mechanical Services (UK) Ltd are aware of the requirement to Target Net Zero Carbon Emissions by 2050 and to half our greenhouse gas emissions by 2030 and to comply with the requirements of the project. This will support this by actively carrying out waste minimisation actions as per the Trade Contractor.

We are a pakageless upon deliver direct from our headquarters to the construction site.

The following are the key waste streams and waste minimisation actions

- Materials delivered void of packaging
- SWA cabling re-used or recycled
- Artic flex re-used or recycled
- All Mdu and Transformer plant returned for testing and re-use
- All UVPC pipework returned and re-used
- All light fittings are recyclable and are re-used
- All cable drums returned to Cleveland cables for re-use
- Energy usage
- Water usage

5. Document Control

Please see below the policies, accreditations and other documents issued with Electrical & Mechanical Services (UK) Ltd sustainability action plan

Issue Date	Quality Control Number	Document
January 2023	QMS-LC-D-460	Toolbox Talk Index Page
January 2023	QMS-LC-D-448	Pollution Nuisance Avoidance
January 2023	QMS-LC-D-455	Environmental Page
January 2023	QMS-LC-D-400	Waste Procedures
January 2023	QMS-LC-D-461	Sustainability Action Plan
January 2023	CBDL97325	Waste Licence

6. Key Waste Streams

Issue Date	Key Waste Streams	Actions Item
January 2023	General Materials packaging	1
January 2023	SWA cabling	2
January 2023	Artic flex cables	3
January 2023	Plant/Equipment	4
January 2023	UVPC Pipework	5
January 2023	Light fittings	6
January 2023	Cable drums	7
January 2023	Electricity usage	8
January 2023	water usage	9
January 2023	Vehicle usage	10
January 2023	Purchased services	11
January 2023	Purchase goods standard office	12
January 2023	Purchase goods additional construction	13
January 2023	Carbon footprint data base	14

7. Action Items

Action 1	General Materials packaging
Timings	January 2022 – January 2023
CO2 Emissions	13.6973 Tonnes of CO₂
Owner	Depot co-ordinator Manager
Emissions Reduction/Increase	2022-2023 reading

Action 2	SWA cabling
Timings	January 2022 – January 2023
CO2 Emissions	1517.04 Tonnes of CO₂
Owner	Depot co-ordinator Manager
Emissions Reduction/Increase	2022-2023 reading

Action 3	Artic flex cables
Timings	January 2022 – January 2023
CO2 Emissions	97.8285 Tonnes of CO₂
Owner	Depot co-ordinator Manager
Emissions Reduction/Increase	2022-2023 reading

Action 4	Plant/Equipment
Timings	January 2023 – January 2024
CO2 Emissions	185.72 Tonnes of CO₂
Owner	Depot co-ordinator Manager
Emissions Reduction/Increase	2022-2023 reading

Action 5	UVPC Pipework
Timings	January 2022 – January 2023
CO2 Emissions	148.79557 Tonnes of CO₂
Owner	Depot co-ordinator Manager
Emissions Reduction/Increase	2022-2023 reading

Action 6	Light fittings
Timings	January 2022 – January 2023
CO2 Emissions	243.79971 Tonnes of CO₂
Owner	Depot co-ordinator Manager
Emissions Reduction/Increase	2022-2023 reading

Action 7	Cable drums
Timings	January 2022 – January 2023
CO2 Emissions	10.44582 Tonnes of CO₂
Owner	Depot co-ordinator Manager
Emissions Reduction/Increase	All wooden cable drums to be returned to cable suppliers for re-use. 2022-2023 reading

Action 8	Energy supplier
Timings	January 2022 – January 2023
CO2 Emissions	36 Tonnes of CO₂
Owner	Environmental Manager
Emissions Reduction/Increase	115,894.00 KWH, 2022-2023 reading

Action 9	Water supplier
Timings	January 2022 – January 2023
CO2 Emissions	0.16 Tonnes of CO₂
Owner	Environmental Manager
Emissions Reduction/Increase	428,973.00 Litres, 2022-2023 reading

Action 10	Vehicle usage
Timings	January 2022 – January 2023
CO2 Emissions	310 Tonnes of CO₂
Owner	Environmental Manager
Emissions Reduction/Increase	20,800.00 petrol 92,673.00 diesel 2022-2023 reading

Action 11	Purchased services
Timings	January 2022 – January 2023
CO2 Emissions	732.5306 Tonnes of CO₂
Owner	Environmental Manager
Emissions Reduction/Increase	2022-2023 reading

Action 12	Purchase goods standard office
Timings	January 2022 – January 2023
CO2 Emissions	39.84194 Tonnes of CO₂
Owner	Environmental Manager
Emissions Reduction/Increase	2022-2023 reading

Action 13	Purchase goods additional construction
Timings	January 2022 – January 2023
CO2 Emissions	3988.84871 Tonnes of CO₂
Owner	Environmental Manager
Emissions Reduction/Increase	2022-2023 reading

Action 14	Carbon footprint data base
Timings	January 2022 – January 2023
CO2 Emissions	5.8 Tonnes of CO₂
Owner	Environmental Manager
Emissions Reduction/Increase	5109.00 Tonnes, 2022-2023 reading