

Carbon Reduction Plan

Company name: MKC Training Services Limited

Publication date: 10th October 2022

MKC Training's Commitment to achieving Net Zero

MKC Training Services Limited is committed to achieving Net Zero emissions by 2050.

As an ISO 14001 accredited business, our Environmental Management System ensures we have tools in place to underpin our commitment to undertaking, and continuously improving, how we reduce our impact on the environment. This Carbon Reduction Plan further reflects our ongoing commitment to reducing our environmental impact in a meaningful way.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that we have produced in the past and prior to the introduction of strategies implemented to reduce emissions. Baseline emissions are the reference point against which our emissions reductions will be measured in the coming years.

Baseline Year: 2022

Additional Details relating to our Baseline Emissions calculations.

MKC Training Services Ltd engaged the services of Hillside Environmental Services in January 2022 to prepare a report to quantify the baseline Greenhouse Gas emission associated with our operations. Hillside applied the international carbon accounting standard, GHG Protocols, to evaluate MKC Training's emissions, and the report adopts the principles of Streamlined Energy & Carbon Reporting (SECR) Guidance, contained in HM Government's March 2019 Environmental Reporting.

This report enabled us to identify our baseline emissions for the first time. In addition, we commissioned a Net Zero Pathway Report to identify our available options for transitioning to net zero, covering technical and behavioural changes which we can introduce to achieve our Net Zero strategy. This includes a mixture of carbon reduction solutions, supported by later stage carbon offsetting/sequestration.

This Carbon Reduction Plan is the culmination of a wide-ranging review of training activity and associated emissions across:

Scope 1 & 2 emissions (392 TCO₂e) – i.e. within the boundary of direct organisational control. For MKC Training this is primarily building energy and own fleet fuel consumption. However, as MKC Training occupies the Brompton Barracks training space as a tenant under license to its main customer, further planning is required over what steps need to be taken to influence our landlord and associated stakeholders based on our GHG report to agree collaborative action to be taken.

Scope 3 emissions (443 tCO₂e) – “value chain emissions” which are outside of the boundary of organisational control, but potentially within MKC Training’s sphere of influence – covering various activities where emissions are directly attributable to 3rd party stakeholder behaviours and operational working practices, including staff, students, suppliers, and local authorities.

NB: Given the arrangements mentioned in the notes for Scope 1 & 2 above, further exploration is required at this stage to understand overlap between Scope 1 & 2 emissions and Scope 3 in relation to the sites MKC Training occupies and associated activities.

Baseline year emissions: 2022

EMISSIONS	
Scope 1	98 tCO ₂ e
Scope 2	294 tCO ₂ e
Scope 3 (Included Sources)	443 tCO ₂ e
Total Emissions	835 tCO₂e

Current Emissions Reporting

Reporting Year: 2022

EMISSIONS	
Scope 1	98 tCO ₂ e
Scope 2	294 tCO ₂ e
Scope 3 (Included Sources)	443 tCO ₂ e
Total Emissions	835 tCO₂e

Emissions reduction targets

Whilst MKC Training has been taking steps as a business to understand and minimise its environmental impact for a number of years, we had not assessed our carbon footprint prior to the 2022 report referenced above. This has now been undertaken to enable us to develop an emissions reduction commitment over the coming months and set targets based on our 2022 Net Zero Pathway Report.

Assuming agreement can be reached with our landlords and assuming transformation work is completed in 2-3 years from now, we project that carbon emissions would decrease over the next five years to between 781 -754 tCO₂e by 2027. This is a reduction of between 6% and 10%.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

In recent years MKC training has completed a number of projects and introduced a number of initiatives to reduce our carbon emissions. Some examples are

- Replacement of lighting with more efficient LEDs
- Reducing our waste to landfill to zero
- Cycle to work schemes
- Heating system replacement with more efficient installations
- Digitisation of training resources to reduce paper usage
- Promoting re-use of training materials such as wood for carpentry

Also following the shift in working arrangements driven by Covid-19, MKC Training has adopted a more flexible working approach, improving its IT systems to enable agile remote working and, where appropriate, identifying roles which can be delivered largely remotely. This reduces commutes and minimises paperwork through digitisation and the continued, extensive use of electronic/virtual meetings and training.

Work is underway to upgrade the Building Management System (BMS) so that buildings can communicate with one another more effectively, smarter controls can be applied to energy use and more consistent information regarding usage patterns, demand etc. can provide insights to increase energy efficiency and reduce wastage.

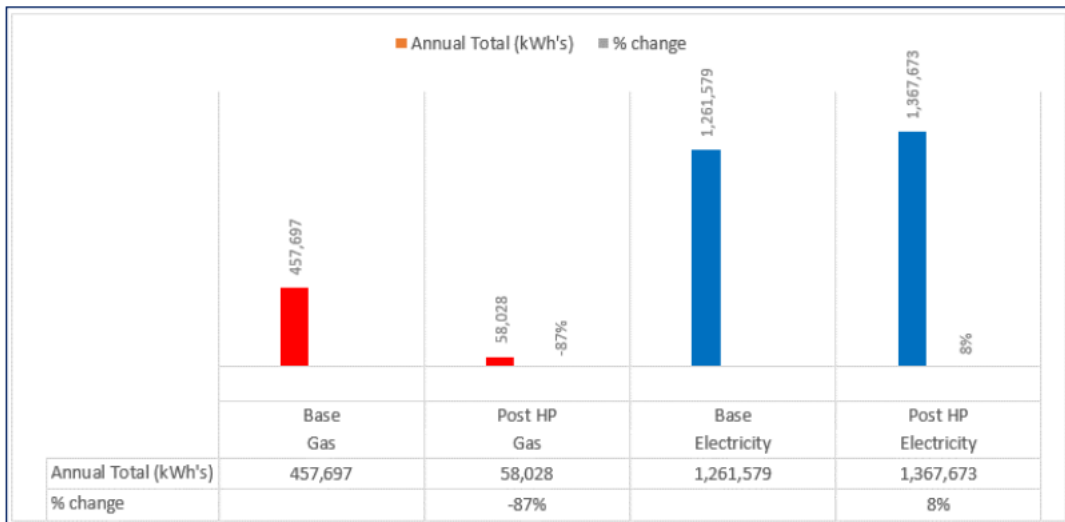
Future Carbon Reduction Opportunities

MKC Training has a significant dependency on the co-operation of its site landlords to deliver the transformation necessary to deliver net zero by 2050. With the information gathered and recommendations identified in our Net Zero Pathway Report, more detailed discussions can now be held with key stakeholders to clarify areas of ownership, responsibility and action.

As outlined in our GHG report, the main areas contributing to the overall carbon footprint of our sites are gas and electrical consumption, curriculum consumption and staff commutes and these represent the primary areas of opportunity for impactful reduction.

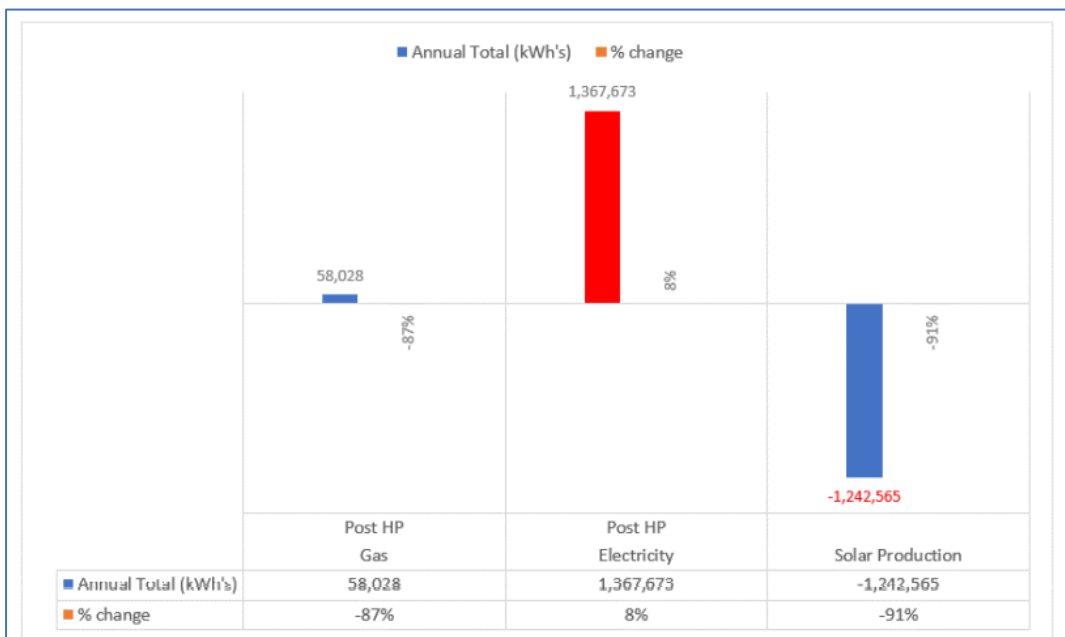
In the future we hope to implement further measures such as:

1. Electrification of heating with heat pumps to displace 87% of the organisation's gas consumption.



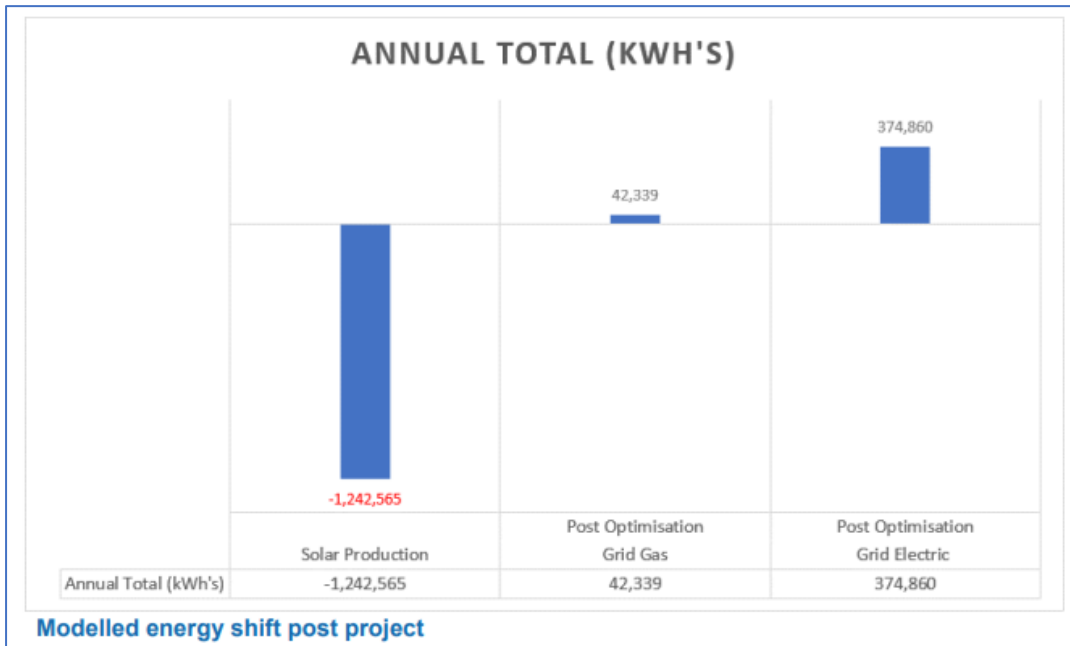
Modelled Energy Shift post HP Installation

2. Installation of on-site renewable generation to offset electricity demand

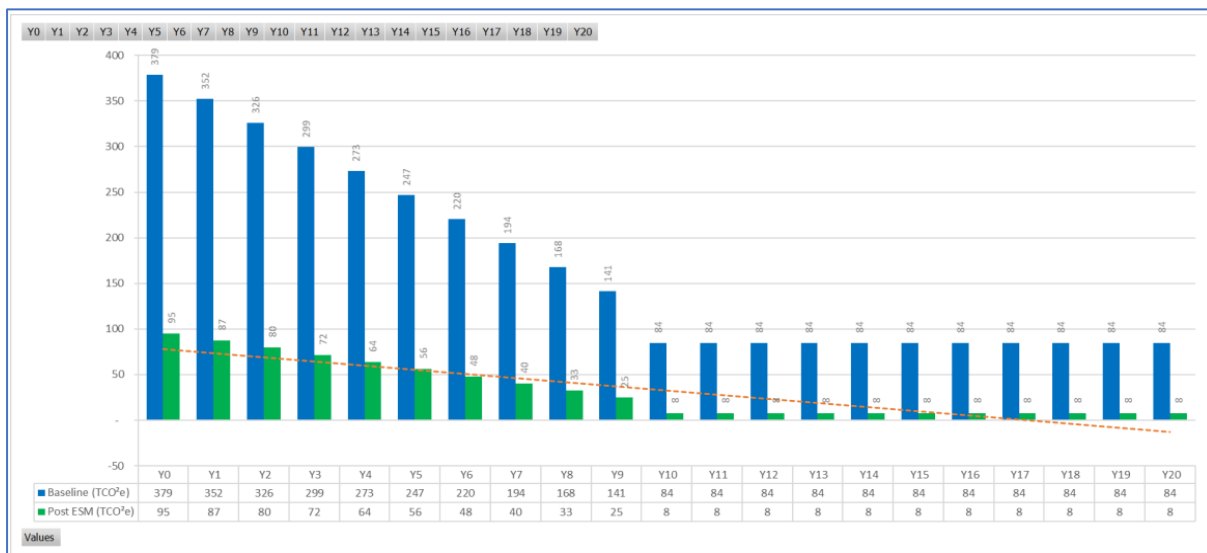


Modelled Energy Shift post Solar

3. Installation of optimisation technologies to further reduce both consumption and cost of energy e.g. LED lighting, battery storage, thermal stores. The cost and benefits arising from the energy optimisation techniques have all been factored into the TOTEX Economic model and generate further energy efficiencies as per the graph insert below.



The resulting impact of these retrofit opportunities if implemented would be a significant carbon profile reduction over the project's lifespan. By electrifying the heating system, greenhouse gas emissions associated with energy consumption would continue to decarbonise, as the national grid decarbonises to net-zero. By adopting the full range of actions across the campuses the Scope 1 & 2 emissions would fall from 380 Tonnes in 2021 to 8 Tonnes by 2032 enabling MKC Training to reduce its fossil fuel-based energy by 87% and reduce its dependency on grid supplied electricity by 70%.



Impact of Energy Saving Measures (Scope 1 & 2)

Additionally, we will continue to explore ways to reduce our Scope 3 emissions, e.g.

- Encourage alternative commuting methods in addition to increasing hybrid working.
- Encourage the use of electric vehicles, including potential installation of charging points.

- Once the boundaries of the waste and water emissions management are agreed, options to encourage change can be captured and published in a Waste and Water Plan, clarifying the strategy, the objectives, and actions to be implemented.
- Introduce specific supplier requirements relating to sustainability.
- Potentially establish a supplier review process that includes carbon reduction targets and holds the supplier's performance to account.

Once primary measures were in place to address the majority reduction of our carbon footprint, we would then progress sequestration and offset options, for example tree planting, to balance the residual outstanding emissions to achieve net zero. Initial surveys and planning considerations for installation have been undertaken, initial costings calculated and funding options explored for further discussion with our landlord.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the senior leadership team.

Signed on behalf of the Supplier:



Mike Garrod, Managing Director

MKC Training Services Limited

Date: 10 October 2022

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>