

Edition 2

Carbon Reduction Plan Siemens Mobility Limited

*What is absolutely clear is the need to act quickly.
Our climate challenges are real and current, not
something to be delayed or only partially addressed.*

William Wilson, CEO Siemens Mobility Limited



ISSUED JULY 2022

SIEMENS

I Commitment to Achieving Net Zero

To help limit global warming to 1.5°C, we are committed to a science-based reduction pathway that will work across the entire supply chain and the products we produce. In this way, we are ensuring that climate-protection efforts are in harmony with the Paris Climate Agreement’s highest level of ambition.

Siemens Mobility Limited is a UK leader in transport solutions and is an integral part of the broader, global Siemens AG organisation. The Company is constantly innovating its portfolio in core areas of rolling stock, rail automation and electrification, turnkey systems as well as related services.

Siemens AG, our parent company, has become one of very few companies worldwide to sign up for four ambitious sustainability initiatives at once. We are supporting three initiatives led by the Climate Group – RE100, EP100 and EV100. In addition, we joined the Science Based Targets initiative (SBTi) at a global level and intend to deliver a UK specific Science Based Target for Siemens Mobility Limited.

By 2030:

we aim for electric vehicles to account for 100% of our fleet

we will own or lease only buildings that have net-zero carbon emissions

we will source 100-percent renewable power

we intend to have net zero operations

achieve a 20% reduction in our supply chain’s emissions

CLIMATE GROUP
EV100

CLIMATE GROUP
EP100

RE100
CLIMATE GROUP

By 2050:

we aim to achieve a carbon-neutral supply chain

we will be a net zero entity across all scopes in accordance with SBTi Foundations for Science-Based Net Zero Target Setting in the Corporate Sector (or future revisions)



Siemens Mobility Limited also intends to make even greater progress toward achieving a circular economy, for example, reducing the volume of resources needed to deliver our solutions using secondary materials for metals and resins. Further commitments also include applying an Eco-Design approach for 100% of our relevant product families by 2030.

Further information on our approach to sustainability can be found here:

Siemens Sustainability

Emission Reduction Targets

Siemens Mobility Limited have identified emission targets associated with our Scope 1 and 2; these targets form the initial steps of our journey towards net zero.

We project that Scope 1 and 2 emissions will reduce by 58% and 92% by FY25 and FY30 respectively; we will offset remaining emissions once we have achieved these reduction targets. The emission reduction workstreams are further summarised below.

Projected Scope 1 and 2 CO₂e Emission Reductions



Note: ¹Calculated assuming 50% Electric Vehicles charge on 100% renewable energy tariff
²Electricity procured by Siemens Mobility Limited is on a renewable tariff and therefore not included in the projections

Emissions

The data presented below provides an overview of Siemens Mobility Limited associated Scope 1, Scope 2 and relevant Scope 3 emissions associated with PPN 06/21 Carbon Reduction Plans.

		Baseline Emissions FY21 (October 2020 to September 2021)		
		Baseline Emissions FY20 (October 2019 to September 2020)		
SCOPE 1	Fleet (Commercial and Company Cars) 	4,728 tCO ₂ e	3,837 tCO ₂ e	
	Gas (Siemens Mobility Limited) 	1,459 tCO ₂ e	1,349 tCO ₂ e	
	Gas (Other) 	158 tCO ₂ e	109 tCO ₂ e	
	Mobile Combustion ² 	165 tCO ₂ e	104 tCO ₂ e	
SCOPE 2	Electricity (Siemens Mobility Limited) 	0 tCO ₂ e	0 tCO ₂ e	
	Electricity (Location Based) ¹ 	767 tCO ₂ e	598 tCO ₂ e	
SCOPE 3	Upstream and Downstream Transport and Distribution* 	3,258 tCO ₂ e	3,002 tCO ₂ e	
	Waste Generated in Operations 	267 tCO ₂ e	112 tCO ₂ e	
	Business Travel ^{#1} 	3,669 tCO ₂ e	1,690 tCO ₂ e	
	Employee Commuting / Home Working ¹ 	4,337 tCO ₂ e	4,598 tCO ₂ e	
Total Emissions		18,810 tCO₂e	15,399 tCO₂e	

Note: Carbon dioxide equivalent (CO₂e) emissions represent emissions of all greenhouse gases, aggregated and converted to units of CO₂e using Global Warming Potential (GWP) values.

Emissions are calculated in tCO₂e using the appropriate conversion factors published by the Department for Business, Energy and Industrial Strategy (BEIS) and QUANTIS (2015).

Scope 1: direct emissions from sources owned or controlled by Siemens Mobility Limited

Scope 2: indirect emissions from the generation of purchased electricity, we have included electricity purchased by third parties.

Scope 3: indirect emission as a result of Siemens Mobility Limited operations but are not owned or controlled by the company.

FY20 notes

* Emissions associated with transport and distribution currently include all transport managed directly by Siemens Mobility Limited through third parties, it doesn't include transport and distribution paid for directly by our clients (i.e. downstream transport and distribution).

Business Travel data for FY19 was utilised for the baseline due to the impact of the COVID-19 Pandemic on travel.

FY21 notes

¹: Variance in FY20 baseline data sets.

²: FY21 data includes fewer temporary sites.

Emission Reduction Workstreams

Multiple, emission reduction workstreams, are taking place across Siemens Mobility Limited. These range from our relatively high carbon hotspots of fleet and gas consumption, where

we have lease and investment decisions, through to working with our supply chain on alternative efficient solutions to facilitate a reduction in overall carbon emissions.

Greening the Fleet

Over 50% of our emissions come from our commercial and company car fleet. We are integrating our fleet electrification and electric vehicle charging point approach. Ultimately, we will have 100% electric fleet by 2030.

Decarbonising Real Estate

We lease our real estate and our approach to the leasing model will be modified. We are implementing a Green Lease Strategy to boost the energy efficiency of existing real estate and working with landlords to adopt renewable tariffs. Where new leases are being taken, we will aim for Energy Performance Certificates of C or above.

Sustainable Supply Chain

We are working with our supply chain across embodied carbon and energy efficiency. Our approach includes developing supplier understanding of carbon, implementing efficient data collection methods, and driving improvements into our primary suppliers.

Renewable Energy

Where Siemens Mobility Limited procures electricity directly, it will continue to be purchased from renewable sources (i.e. on a REGO tariff).

Gas Diet

Gas consumption accounts for 1,617 tCO₂e of our emissions. We are reviewing our largest gas consuming locations, including manufacturing and train care facilities and identifying alternative heating arrangements such as infrared heat and/or air-source heat pumps. We intend to fully phase out our use of gas and/or utilise Green Gas.

Green Plant Initiative

Working closely with our supply chain, we've switched default procurement of generators and welfare units to renewable-powered setups with Hydrotreated Vegetable Oil (HVO) backup. We will work towards reducing emissions associated with specialist plants utilised across our projects.

Transport and Distribution

We are conscious that our approach to transport and distribution can have a significant impact on the volume of emissions. We are developing an operational logistics platform developed jointly between Siemens Digital Logistics (SDL) and Siemens Commodity Management (SCM) that will assist our buyers in understanding the volume of carbon associated with each delivery method, helping them select the lowest carbon solution.

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 board of directors (or equivalent management body).

Will Wilson

William Wilson
Chief Executive Officer

¹The Greenhouse Gas Protocol - Corporate Accounting and Reporting Standard

²Department for Business, Energy & Industrial Strategy - Government Conversion Factors for Company Reporting of Greenhouse Gas Emissions

³The Greenhouse Gas Protocol - Corporate Value Chain (Scope 3) Accounting and Reporting Standard

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