

EMBARGOED TO 5<sup>TH</sup> DECEMBER

# CARBON NEUTRALITY

## OUR VISION



The world must achieve **carbon neutrality by 2050** if we are to limit warming to 1.5° above pre-industrial levels. Toyota's global commitment to this was first confirmed in 2015 by our **Environmental Challenge 2050** – it sets out our ambition to drive the continuous reduction of our carbon footprint in new vehicles, manufacturing plants and lifecycle emissions, as well as promoting a reduction in water consumption, support a recycling-based society and biodiversity protection.

### 01 LEADERSHIP

- Our global vision is to provide **Mobility for All** and is supported by our mission – **Happiness for All**. Our vision and mission reflect our founding principles and our commitment, in this transitional period, to **leave no one behind**.
- We sell in **over 170 markets over 10 million** vehicles annually, and we recognise that not all have adequate access to reliable electricity, charging infrastructure, or the disposable income to afford ZEVs.
- Therefore, we employ a **multi-powertrain approach across battery electric, fuel cell, plug-in hybrid and hybrid electric vehicles**. This allows us to continue developing the right vehicle, for the right customer in the right place.
- Toyota Motor Europe (TME) is committed to achieve carbon neutrality for **all Scope 1,2 and 3 emissions in Europe** (EU+EFTA+UK) by 2040 at the latest becoming the first region to mitigate CO2 emissions in Global Toyota, as we believe the key enablers will all be in place before other regions.
- While TME's commitment reflects European societal expectations for a cleaner environment which are ahead of many other global regions we anticipate that our progress will contribute to Toyota's global challenge.

### 02 WE'RE COMMITTED TO ACHIEVING CARBON NEUTRALITY IN EUROPE BY 2040

#### OUR EUROPEAN PLAN TO DELIVER SCOPE 1, 2 & 3

**SCOPE 1 – Direct emissions from owned or controlled sources**  
(manufacturing, logistics, national distributors, corporate offices).

- We target being carbon neutral at all our **manufacturing sites in Europe by 2030**, allowing the vast majority of Toyota Motor Europe Scope 1 emissions to be mitigated by that time. This is five years ahead of Toyota's global commitment.
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We expect our first plant, Deeside – UK, to be carbon neutral as early as 2025.

### **SCOPE 2 – Indirect emissions from generation of purchased energy (mainly electricity)**

- By a consistent usage of **100% green electricity across Europe since 2019**, Scope 2 emissions have already been eliminated in all European operations\*.
- \* *includes Toyota Corporate facilities, European Manufacturing companies, parts logistics centres and all commercial distributors.*

### **SCOPE 3 – Indirect emissions of uncontrolled sources**

- As a major CO<sub>2</sub> emission contributor, Toyota's new model line-up will be electrified to ultimately reach **100% CO<sub>2</sub> reduction in tank to wheel emission by 2035**
- Includes all those areas of TME's business outside of our control.

### **SCIENCE BASED TARGET INITIATIVE (SBTi) - OUR GLOBAL TARGETS VALIDATED**

- **Toyota's Scope 1 and 2 global emissions** reduction target was validated by Science Based Targets Initiative (SBTi) in September as 1.5°C target aligned.
- As a precondition for the validation, **Toyota's Scope 3** new vehicle emissions reduction target were also approved as WB2°C target aligned.

*[Background] SBTi validates Scope 1 and 2 emissions reduction target of a company as in line with the science-based criteria established by SBTi which limits the global average temperature increase to 1.5°C above pre-industrial levels. With regard to an **automobile company**, SBTi also approves **Scope 3 Category 11 emissions reduction targets of it as in line with the science-based criteria** which holds the increase in the global average temperature to well below 2°C above pre-industrial levels, in conjunction with above mentioned validation.*

### **ABOUT TOYOTA'S APPROACH TO CARBON NEUTRALITY**

President Akio Toyoda gave an interview for U.S. media amid the BEV shift being a hot topic worldwide. Here are some highlights from their hour-long conversation.

[Carbon Neutrality | Toyota Europe \(toyota-europe.com\)](https://toyota-europe.com/carbon-neutrality)

[Akio Toyoda Fields Questions on Carbon Neutrality from U.S. Reporters \(toyotatimes.jp\)](https://toyotatimes.jp/akio-toyoda-fields-questions-on-carbon-neutrality-from-u-s-reporters)

### **ABOUT MULTI-TECH APPROACH**

[Electrification at Toyota | Toyota Europe \(toyota-europe.com\)](https://toyota-europe.com/electrification)

#### **BEV**

[Media Briefing on Battery EV Strategies \(Presentation / with subtitles\) - YouTube](https://www.youtube.com/watch?v=...)

<https://www.toyota-europe.com/electrification/bev>

#### **HYBRIDS**

[Why Keep Making Hybrids? Mission of the All-New Prius \(toyotatimes.jp\)](https://toyotatimes.jp/why-keep-making-hybrids)

[Toyota Hybrid Electric Vehicles | Toyota Europe \(toyota-europe.com\)](#)

**HYDROGEN COMBUSTION ENGINE** and how Toyota uses Motorsports to innovate.

[Hydrogen Engine Car's First Run in Europe Puts All Eyes on Morizo \(toyotatimes.jp\)](#)

**SYNTHETIC FUELS**

[Synthetic Fuels: A Promising Option for Decarbonizing Engines \(toyotatimes.jp\)](#)