

# Overcoming barriers on the route to zero carbon

Finding your path to reduced emissions

In our 'Climate change and the supply chain' infographic, we considered how you can reduce greenhouse gas emissions in your supply chain operations.

[Climate change and the supply chain](#)

**But how are organizations leading the way in practice?**

## Renewable energy sources

In 2020, renewable energy sources made up 47% of power generation for the UK, and 38% for Europe.

Over **340 influential companies** have committed to using 100% renewable energy by 2050—with at least 60% by 2030 and 90% by 2040—as part of the **RE100 initiative**<sup>1</sup>.

The main sources of renewable energy:



Sustainability-minded organizations in the RE100 initiative includes giants such as:



These huge organizations are leading by example in their adoption of sustainable energy.

Businesses of all sizes should take note. **The time for action is now.**

## Transport emissions

### Ocean transport

In 2019, 77,862 billion tonne-kilometres of freight was shipped via sea or inland waterways<sup>2</sup>. This represents over three-quarters of global freight.

Maersk is the world's largest shipping company. It is actively working to reduce emissions:



### Road transport

Most of the 19,551 billion tonne-kilometres of freight that was shipped by road in 2019 was transported in trucks<sup>2</sup>.



**Optimizing your shipment routes and transport modes may reduce the total amount of road transport you need.**

But heavy-duty commercial electric vehicles are also becoming more competitive, and cutting-edge early adopters are leading the way.

One example is support services firm, Mitie.



Optimizing fuel efficiency for road vehicles:

- Newer engine technology
- Smaller engines
- Better route planning with satnav

Over half of all newly registered vehicles are owned by businesses. Fuel efficiency results in reduced costs as well as emissions.

**For more ideas of how your business can reduce greenhouse gas emissions, and to join the ranks of those organisations taking responsibility and doing their part in combating climate change, download your free copy of our Route to Zero Carbon whitepaper today.**

[Route to Zero Carbon](#)

<sup>1</sup>RE100 Members. <https://www.there100.org/re100-members>

<sup>2</sup>Greene, Suzanne (2020). Freight Transportation. MIT Climate Portal. Massachusetts Institute of Technology, published 04 September 2020. <https://climate.mit.edu/explainers/freight-transportation>