

Making a difference

Decarbonising the manufacturing sector – we all have a role to play.



1 


20%
of global greenhouse gas (GHG) emissions

the manufacturing sector contributes one-fifth of global CO₂ emissions due to fossil fuels (coal, oil, gas) use.

2 

70%
of global companies

have now adopted decarbonisation strategies or targets to reduce carbon intensity.¹

3 

In light industries,
70%
of emissions occur outside manufacturing premises referred to as Scope 3 or value chain emissions.

Understanding light industry sector

Collaborative approach

It is key that manufacturers form collaborative relationships with:

-  **Governments** that have policy influence.
-  **Investment communities** that have financial leverage.
-  **Equipment suppliers** that can contribute their own knowledge.
-  **Solution providers** that have technological expertise.


Understanding the sector's emissions

Emissions occur at every stage, from raw material to final product.




What can the manufacturing industry start doing today?


1 Standardise reporting

-  Encourage a baseline for reporting across the value chain and embrace digitalisation (such as barcode tracking) which has the potential to reduce carbon emissions by 20% by 2030².


2 Work together

-  Encourage collaboration across and fragmented supply chains to raise awareness, share best practices and spread inspiration.


3 Reduce Scope 1 and 2 emissions

-  Focus on their own emissions by improving energy efficiency, using renewable energy, switching to biofuels and purchasing carbon credits to offset fossil fuel use.

4 Embrace circular economy

-  Introduce mechanisms to reduce waste and reuse materials from products that have reached the end of their useful life.

5 Select the right sustainability partner

-  Such as Shell Energy, which can help overcome challenges in the value chain and help accelerate your net-zero journey.

We offer a holistic approach across the value chain to achieve sustainability objectives



For more information:

www.shell.com/shellenergy/decarbonising-light-industry