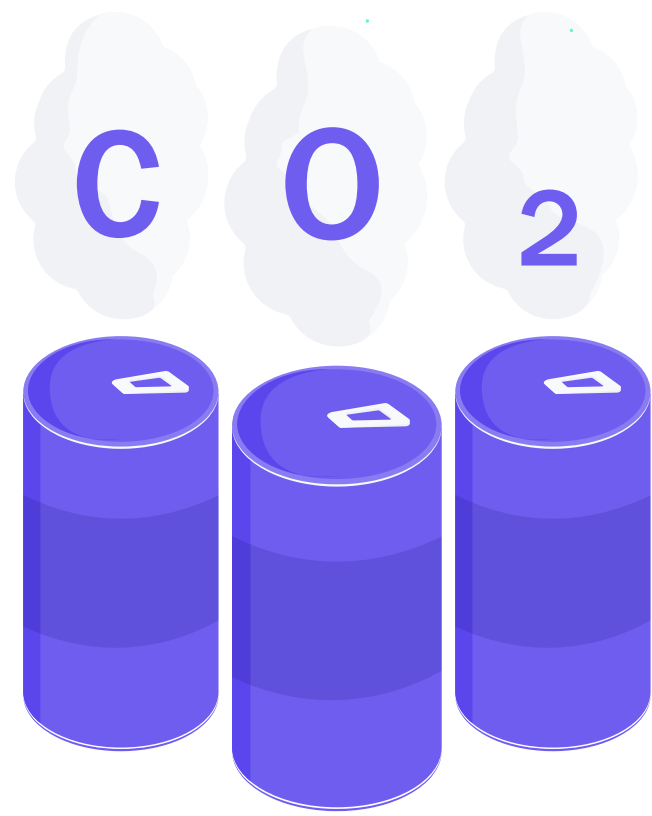
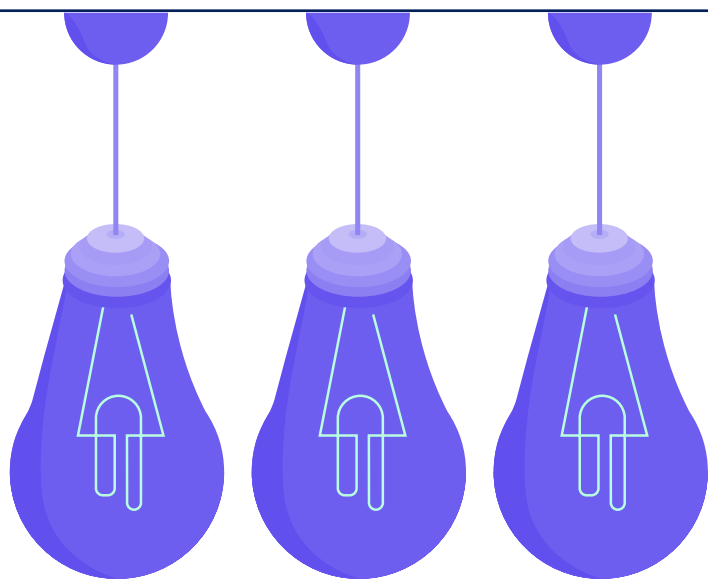


Achieving **zero greenhouse gas** emissions across all segments of the energy demand is one of the core challenges for consumer-facing businesses.



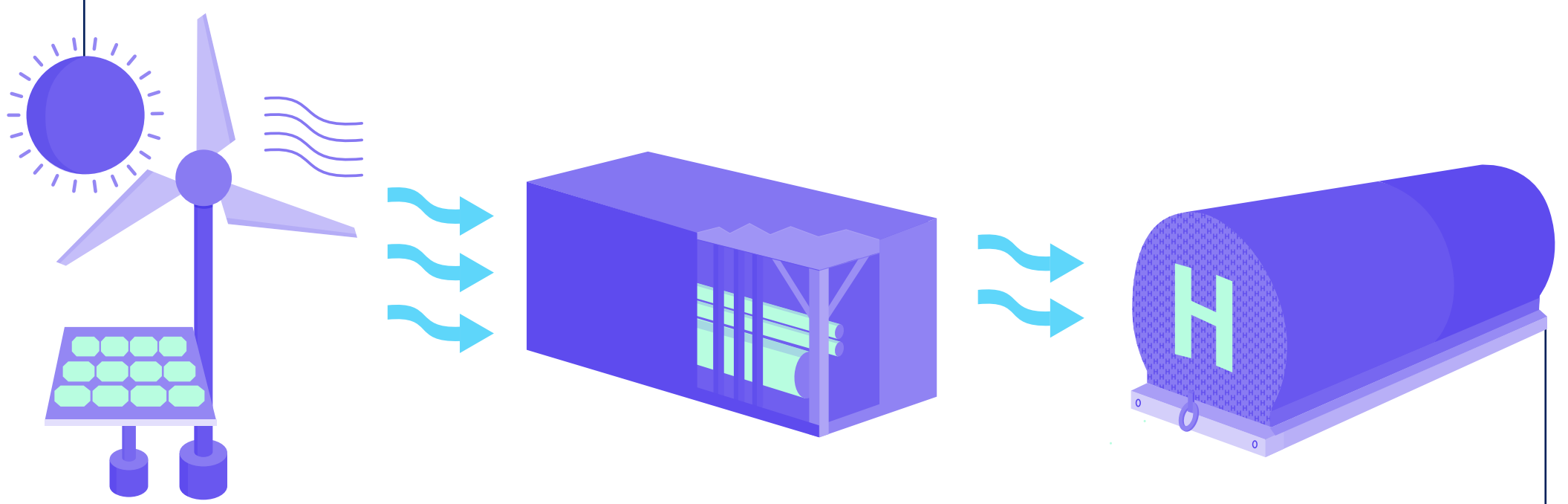
The food and drink manufacturing sector is the **4th highest** energy consuming and CO₂ emitting sector in the UK...

...with **97%** of this footprint directly generated by emissions from natural gas and **3%** from electricity.



Innovations in sustainable energy technologies can support the energy transition, and they're available now.

Green hydrogen (the lightest and the most abundant element in the universe) is an exciting opportunity as it has **0 greenhouse gases** associated with the generation of the hydrogen.

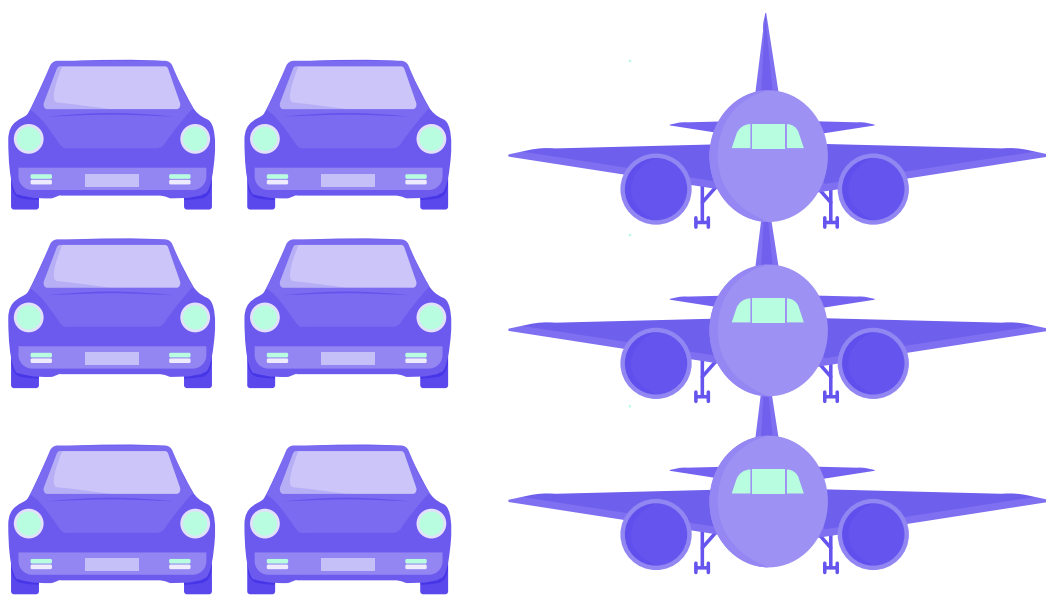


Renewable energy produced through wind and solar is used in the process of electrolysis to produce green hydrogen from water.

One of the many benefits of green hydrogen means it can be used as a replacement for fossil fuels in heat and transport applications and it can be stored for a long period.



Marking the first project of this scale in the UK, Protium has partnered with Budweiser Brewing Group to explore deploying green hydrogen as an energy solution at Magor Brewery, Wales.



Bringing jobs and economic opportunities to the region, the project will save approximately **15,500 tons of CO₂** per year, equating to removing roughly 3,300 cars from UK roads or 12,000 long haul-flights.

Supported by the Welsh government, the project is due to be commercially operational in 2024.

