

Chemical Manufacturing

The chemical sector is responsible for approximately 3% of global emissions, primarily from high-temperature processes and feedstock-based emissions. Key contributors include ammonia synthesis, plastics production, and petrochemical refining.



Key Challenges

- High energy consumption for chemical synthesis and refining
- Need for alternative low-carbon feedstocks and process electrification
- Stringent environmental regulations and reporting requirements



Greenly's Role

Carbon Footprint Analysis

Identifies emissions hotspots across chemical processes.

Sustainable Feedstock Integration

Supports bio-based materials and green hydrogen adoption.

-30% GHG emissions

A European chemical company reduced GHG emissions by 30% using carbon capture and alternative feedstocks.

Manufacturing a Greener Future Starts Here

The manufacturing industry is a major driver of global emissions—but with the right strategies, businesses can reduce their carbon footprint while staying competitive.

Explore sustainability challenges across transportation, chemicals, and heavy machinery.

Learn how Greenly's automated carbon tracking and compliance support can streamline your decarbonization journey.

See real-world case studies of manufacturers achieving emissions reductions and cost savings.

Ready to transform your operations for a low-carbon future?

[Read the full guide now](#)