Smart Science

Fighting the climate emergency

Industrial development has powered humanity's journey towards a climate emergency. Now, smart science and collaboration are our most effective tools to start reducing our impact on the planet.

The link between climate change and human industrial activity is now well understood. The increase in greenhouse gases (GHG) emitted, especially carbon dioxide (CO_2), has led to warming via the greenhouse effect, where heat from the sun's rays is trapped by the atmosphere. This warming is contributing to more frequent and devastating extreme weather events, rising sea levels and climate-led catastrophes around the world. This has driven our commitment to reduce our emissions in line with limiting global warming to 1.5ºC above pre-industrial levels, in order to prevent the worst effects of climate change.

We are confident that we can deliver on this commitment. Our passionate experts are applying smart science to reduce the energy intensity of our manufacturing processes and investing in renewable sources of heat and electricity to decarbonise our manufacturing sites and fight climate change together.

Surface of unprotected steel. We help reduce wear to gears in wind turbines.

to Improve Lives

Being Climate Positive

At Croda, our commitment to becoming Climate Positive, providing low-carbon ingredients that help our customers avoid carbon when in use, means that we can improve lives worldwide by helping to reduce the impact of climate change.

Our climate commitment: through the use of our ingredients, our customers will avoid four times more CO_2 emissions than the total we emit from our activities and those of our supply chain partners. This could be, for example, through increased efficiency or extended product lifetimes.

We are committed to doing more:

- Reducing our CO_2 emissions from generating our heat and power to net zero by 2050. We have committed to set a 2030 Science Based Target (SBT), in line with limiting global warming to 1.5°C above pre-industrial levels
- Engaging with our key suppliers to encourage emissions reductions in our supply chain
- Increasing the use of bio-based raw materials from our current industry leading position
- Continuing to develop innovative ingredients that help our customers to avoid carbon when in use.