



# Nouryon Achieves Carbon Neutrality<sup>1</sup> at Five Manufacturing Sites

This achievement supports the company's sustainability agenda, '[Commitment to a Sustainable Future](#)':

By 2030, reduce operational greenhouse gas (GHG) emissions<sup>2</sup> by **40%** versus a 2019 base year

By 2050, Nouryon aspires to be a **net zero** organization<sup>3</sup>



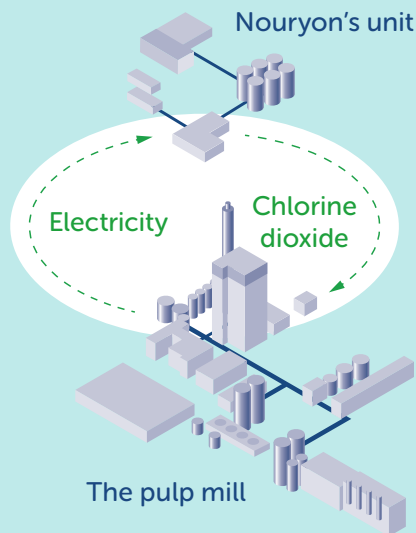
The five carbon neutral sites in Brazil operated by Nouryon (Imperatriz, Eunápolis, Três Lagoas (2) and Jacarei), are part of the company's [Integrated Manufacturing Model](#), offering on-location sodium chlorate and/or chlorine dioxide production.



## Nouryon's Integrated Manufacturing Model concept

Modern pulp mills generate excess utilities that can be used as fuel in other manufacturing processes.

- Nouryon uses renewable energy from our customers sourced primarily from biomass.
- Reused resources effectively lower the carbon footprint of the site.
- On-site production reduces transportation requirements.



These five sites have low Scope 1 GHG emissions and reported zero Scope 2 GHG emissions, which has been independently assured<sup>4</sup> by ERM CVS.

These low, remaining emissions are offset by the purchase of certified<sup>5</sup> carbon offsets, created from renewable energy projects.

1 Greenhouse gas (GHG) emissions from our operations (Scope 1) and purchased energy use (Scope 2) in 2021.  
 2 Greenhouse gas (GHG) emissions from our operations (Scope 1) and purchased energy use (Scope 2).  
 3 The realization of the company's goals on the pathway towards net zero relies on a number of considerations, including site evaluations, increased renewable energy, the rate of innovation, value-chain developments and regulatory requirements.  
 4 External limited assurance completed by independent third-party, ERM CVS. For more information, see <https://www.ermcvs.com>  
 5 Offsets for Scope 1 emissions certified by the Verified Carbon Standard (VCS), administered by Verra, and retired. For more information, see <https://verra.org>

More information can be found in Nouryon's [2021 Sustainability Report](#) and on the Sustainability section of the Company's website: [www.nouryon.com/sustainability](http://www.nouryon.com/sustainability)

Your partner in essential solutions for a sustainable future

# Nouryon