

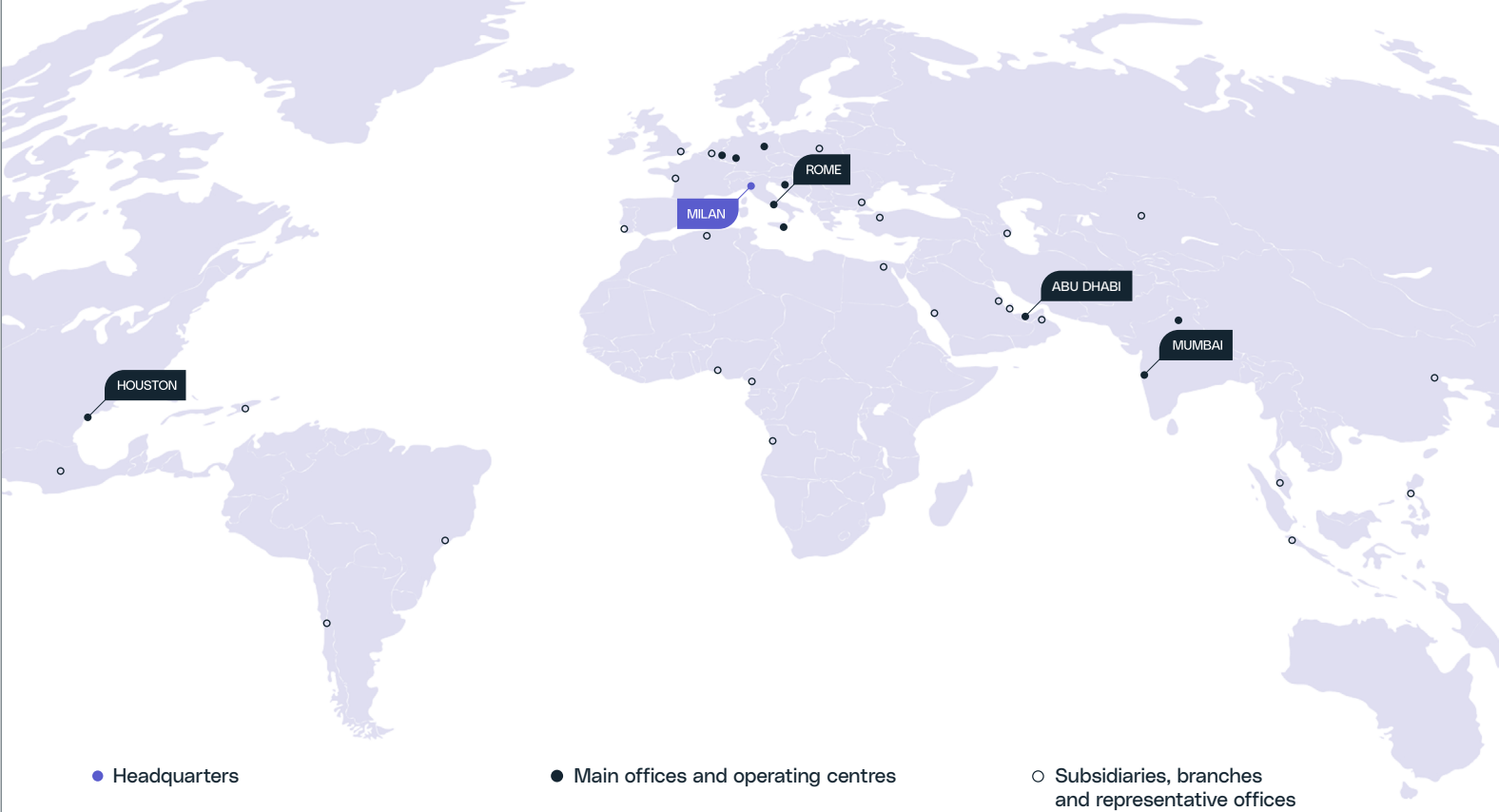
**We enable**  
**energy transition**



GROUP GLOBAL PRESENCE

NEXTCHEM is MAIRE’s company dedicated to **Sustainable Technology Solutions**.

We enable energy transition through innovative technologies within our three business lines: Sustainable Fertilizers & Nitrogen-Based Fuels, Low-Carbon Energy Vectors, and Sustainable Materials & Circular Solutions.



5.9

Revenues (€ billion)

13.8

Backlog (€ billion)

212.4

Net Income (€ million)



50

Countries



9,800+

Employees

~50,000

People engaged worldwide\*

Data as of 31st December, 2024

*\*The data includes employees, collaborators and sub-contractors*

# TECHNOLOGY EXCELLENCE STRENGTHENED OVER TIME

**Fausser Montecatini** pioneers the ammonia production process from renewables.

**Stamicarbon** is established in the Netherlands, bringing crucial technological and engineering skills. This marks the start of a journey towards global leadership in the fertilizer market.

The Italian engineering company **Selas Italia** (later known as **KTI**) is founded. Specializing in high-temperature technologies, KTI brings expertise in customized, advanced solutions for hydrogen and syngas production.

**TPI** is established, focusing on high-end know-how in planning plants for low-density polyethylene (LDPE) production.

The green acceleration begins: **NEXTCHEM** is launched, spearheading green chemistry and energy transition. The acquisition of **MyReplast Industries** and the creation of **MyRechemical** enhance the Group's position in plastic upcycling and waste-to-chemical technologies.

The “**Unbox the Future**” Strategic Plan is announced. A new unit lights a new phase in the industrial cycle: **Sustainable Technology Solutions** is formed under **NEXTCHEM**. Acquisitions of **Conser** and **MyRemono** expand expertise in biodegradable plastic and chemical recycling.

**NEXTCHEM** continues its growth with the acquisition of **HyDEP** and **GasConTec**. HyDEP pioneers proprietary solutions for green hydrogen production, while GasConTec excels in low-carbon hydrogen, ammonia, and methanol technologies.

## AMMONIA REVOLUTION

1920

## HERE COME THE FERTILIZERS!

1947

## FUELING THE FUTURE

1971

## POLYETHYLENE PIONEERS

1992

## GREEN CHEMISTRY & UPCYCLING

2018-2020

## UNBOXING THE FUTURE

2023

**Fabrizio**  
Chairman and  
Maire

## HYDROGEN HORIZONS

2024

MAIRE'S TECHNOLOGICAL ROOTS

NEXTCHEM: THE GREEN  
ACCELERATION

THE ONGOING BLOOM



# WE EVOLVE TECHNOLOGY FOR A BETTER WORLD

Technology is powerful.  
At NEXTCHEM we use it  
to make the difference.

## A WIDE RANGE OF MARKET-READY SUSTAINABLE SOLUTIONS

Broad portfolio of proprietary technologies  
delivered by cutting edge innovation  
and capacity to scale-up

**30+** market-ready technologies  
protected by ~2,500 patents

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## Superior process design capabilities

to develop complex schemes  
integrating multiple technologies

**700+** employees      **30+** partnerships  
with research centers

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## End-to-end economically viable solutions

from feedstock to final product  
in high-growth market segments

**60+** 2023-2024 cumulative awards  
widely diversified

# DIVERSIFIED OFFERING TO MEET CUSTOMERS NEEDS IN FAST-GROWING MARKETS

Our main goal is to enable a low-emission future through our technological portfolio. We leverage our expertise to serve the decarbonization of industries, from transportation to agriculture, from energy to materials.



## Sustainable Fertilizers & Nitrogen-Based Fuels

Driving sustainable nitrogen solutions in **fertilizers**, leveraging our leadership in **urea**, while innovating in **ammonia** for hydrogen transport



## Low-Carbon Energy Vectors

Advancing low-carbon energy via **hydrogen** and **CO2 valorization**, powering aviation, shipping, chemicals, as well as **sustainable plastics** innovation



## Sustainable Materials & Circular Solutions

Enhancing **circularity** by transforming waste into valuable resources, while using **chemical** and **mechanical recycling** for sustainable material recovery



## SUSTAINABLE FERTILIZERS & NITROGEN-BASED FUELS

Nitrogen-based solutions

### Technology solutions

#### NX STAMI Urea™

including Ultra Low Energy design and fluid bed granulation technology

Leaders in fertilizer technology, maximizing energy efficiency

#### NX Stami Nitrates™

Optimizing nitric acid production

#### NX STAMI Ammonia

Ammonia from low-carbon hydrogen (through ATR or CPO)<sup>1</sup>

#### NX STAMI Green Ammonia™

Futureproof carbon-free ammonia production



## SUSTAINABLE MATERIALS & CIRCULAR SOLUTIONS

Valorizing Waste

### Technology solutions

#### NX Circular™

Valorization of waste through gasification and conversion of syngas into hydrogen, methanol, ethanol, or SAF

#### NX EnerCircle™

Production of bioenergy from waste biomass

#### NX Replast™

Upcycling rigid plastic waste into valuable products

#### NX Re™

Chemical recycling of plastic waste into monomers



## LOW-CARBON ENERGY VECTORS

Hydrogen suite, low-carbon fuels and carbon capture, Sulphur recovery and Advanced polymers

#### NX CPO™

Catalytic partial oxidation

Small scale hydrogen production through syngas for hard to abate

#### NX Reform™

Steam methane reforming

Small-medium scale hydrogen production from gas (available with carbon capture)

#### NX AdWin Hydrogen®

Autothermal reforming

Large scale low-carbon hydrogen from gas with high efficiency and capture rates

#### NX FHYVE™

Reliable and cost-effective electrolysis modules for green hydrogen

#### NX AdWin Methanol®

Autothermal reforming

Large scale methanol synthesis from gas for a new low-carbon fuel

#### NX SAF™ BIO

HEFA process, also with pre-treat

Unlocking sustainability of aviation through cost-effective small scale plants

#### NX Decarb™

Optimizing and integrating core carbon capture unit

#### NX SulphuRec™

Sulphur recovery

Abate pollutants in refinery and natural gas processing

#### NX CONSER™ MAN

Sustainable processes for fine chemicals production

#### NX CONSER™ Duetto

Building a sustainable future through biodegradable plastics

