

WE ENABLE  
ENERGY TRANSITION



## GROUP GLOBAL PRESENCE

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

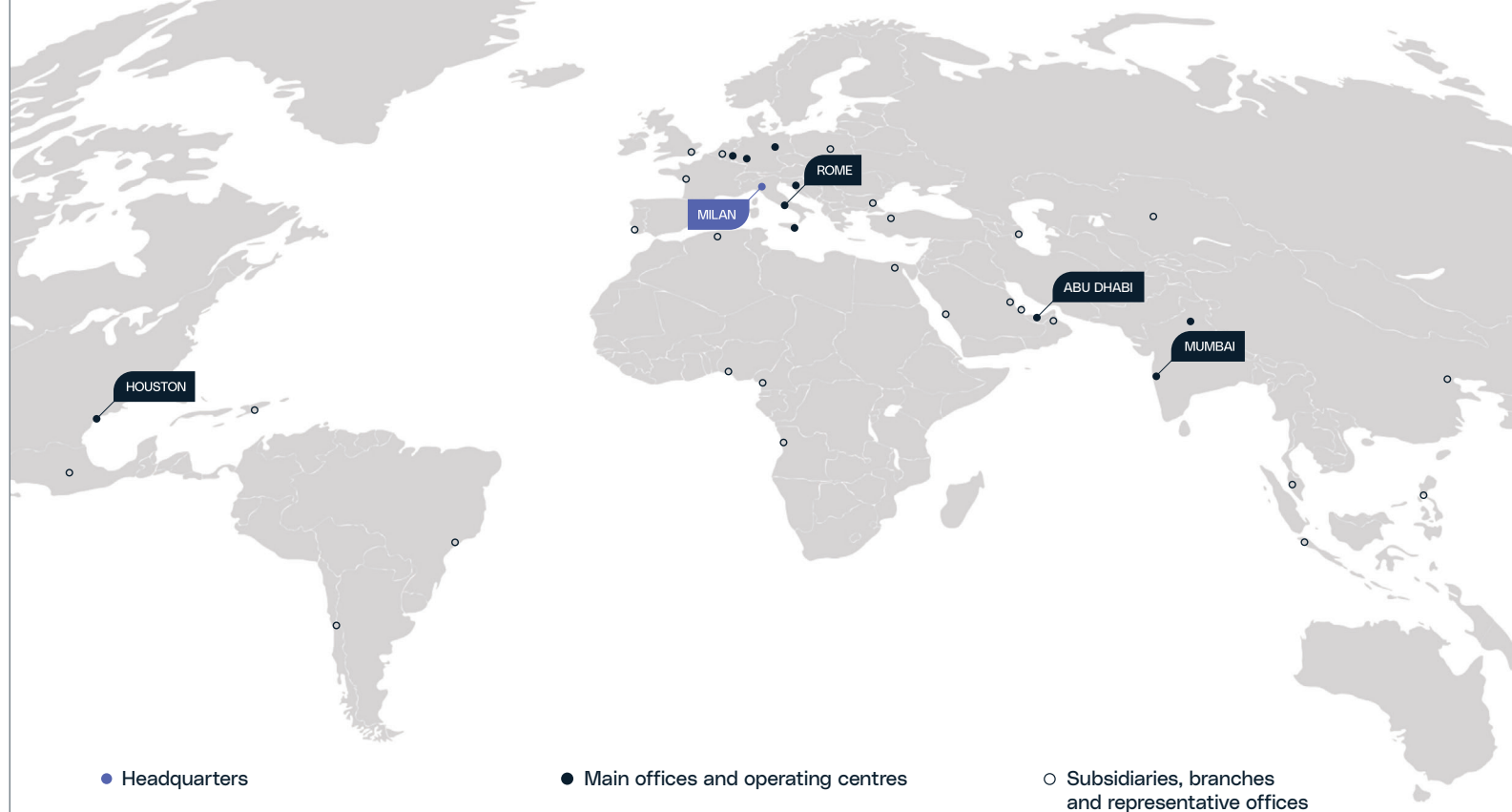
We enable energy transition through innovative technologies within our three business lines: Sustainable Fertilizers & Nitrogen-Based Fuels, Low-Carbon Energy Vectors, and Sustainable Materials & Circular Solutions.

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.

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

Data as of 31st December, 2024

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



5.9

Revenues (€ billion)

13.8

Backlog (€ billion)

212.4

Net Income (€ million)



50

Countries



9,800+

Employees

~50,000

People engaged worldwide\*





HOME TO  
THOSE WHO  
RESHAPE  
THE FUTURE



Our technology solutions are designed to make the energy transition happen by slashing the environmental impact of traditional industries, leveraging our consolidated know-how in hydrogen and carbon-capture technologies, transforming waste into valuable resources like chemicals, fuels, and recycled plastic, finding new processes from non-fossil feedstock.



Sustainable Fertilizers  
& Nitrogen-Based Fuels

**feed**



Low-Carbon  
Energy Vectors

**move**



Sustainable Materials  
& Circular Solutions

**make**

Process Design Package  
Basic Engineering Design

Proprietary Equipment  
& Catalysts

Services and  
Digital Solutions

Selected Specialty  
Solutions

Technology  
Licensing



## 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™ Suite

Chemical recycling of plastic waste into monomers



## LOW-CARBON ENERGY VECTORS

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

### Technology solutions

#### 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 AdWinHydrogen®

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 AdWinMethanol®

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

# 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.

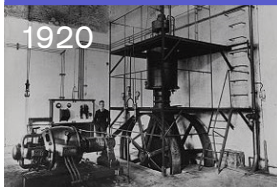
The green acceleration begins: **NEXTCHEM** is launched, spearheading green chemistry and energy transition. The acquisition of **MyReplast Industries** and the creation of **MyRechemical** enhance the Group's position in plastic upcycling and waste-to-chemical technologies.

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



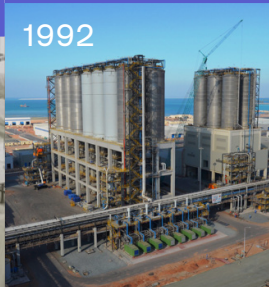
## FUELING THE FUTURE

1971



## POLYETHYLENE PIONEERS

1992



## GREEN CHEMISTRY & UPCYCLING

2018-2020



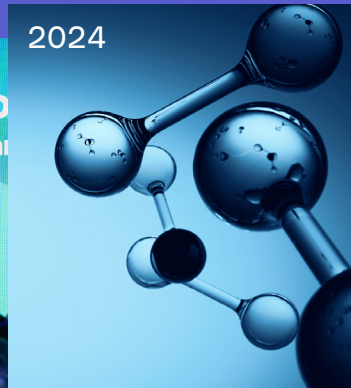
## UNBOXING THE FUTURE

2023



## HYDROGEN HORIZONS

2024



MAIRE'S TECHNOLOGICAL ROOTS

NEXTCHEM: THE GREEN  
ACCELERATION

THE ONGOING BLOOM





DISCOVER  
MORE!