

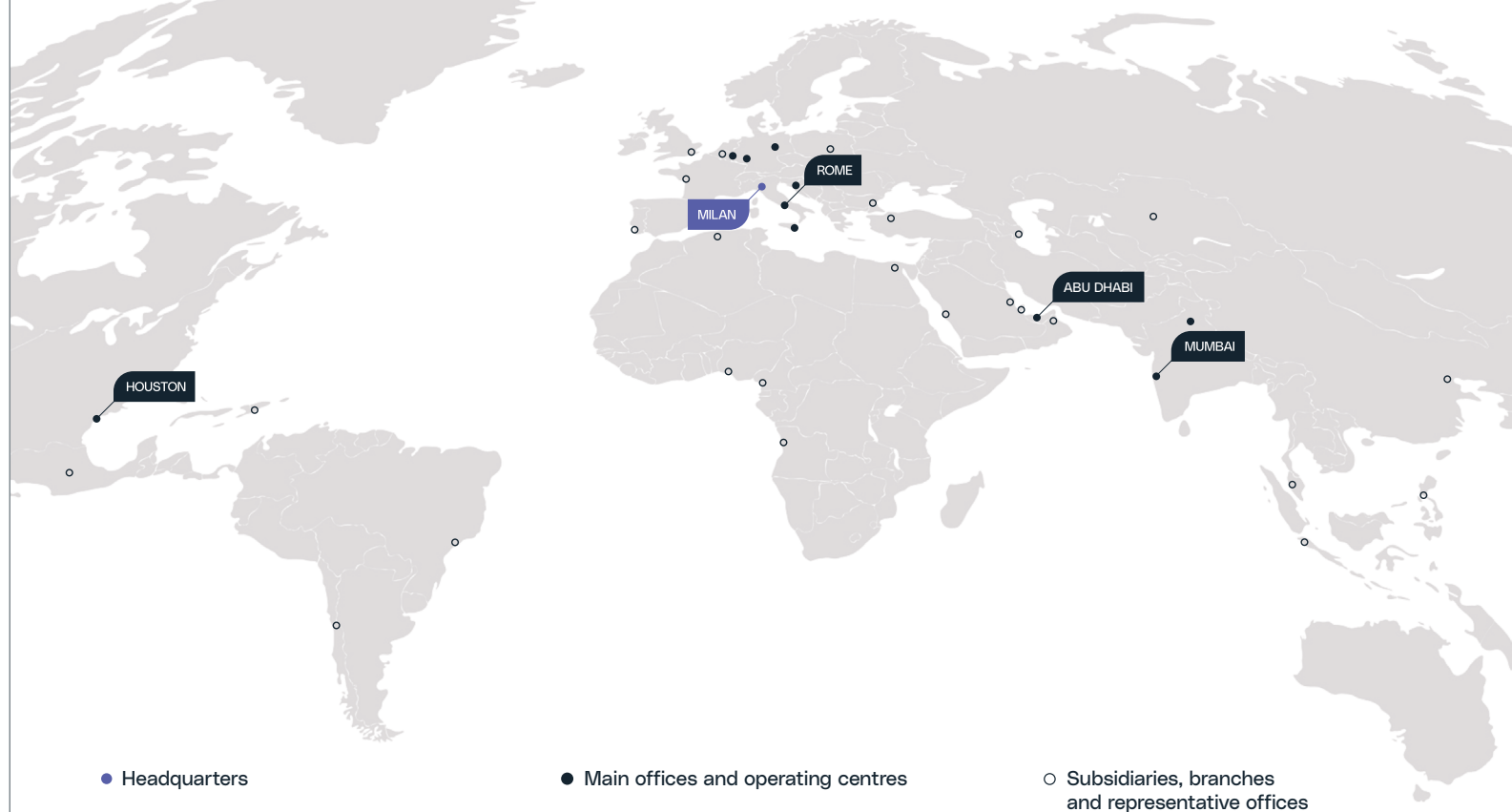
WE ENABLE
ENERGY TRANSITION

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.

At the forefront of innovation, our company is dedicated to shaping a low-carbon future.



 **4.3**
Revenues (€ billion)

15.0
Backlog (€ billion)

129.5
Net Income (€ million)

 **~45**
Countries

 **~8,300**
Employees

29,000+
People engaged worldwide*

Data as of 31st December, 2023

*The data includes employees, collaborators and sub-contractors

The background features a dynamic, abstract composition of soft, blurred gradients in shades of blue, purple, and magenta. Diagonal streaks of light, resembling motion blur or light trails, cut across the frame, adding a sense of movement and energy. The overall aesthetic is modern and futuristic.

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) ¹
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
Fabrizio
Chairman and
Maire

HYDROGEN HORIZONS
2024

MAIRE'S TECHNOLOGICAL ROOTS

NEXTCHEM: THE GREEN ACCELERATION

THE ONGOING BLOOM

nextchem.com



DISCOVER
MORE!

