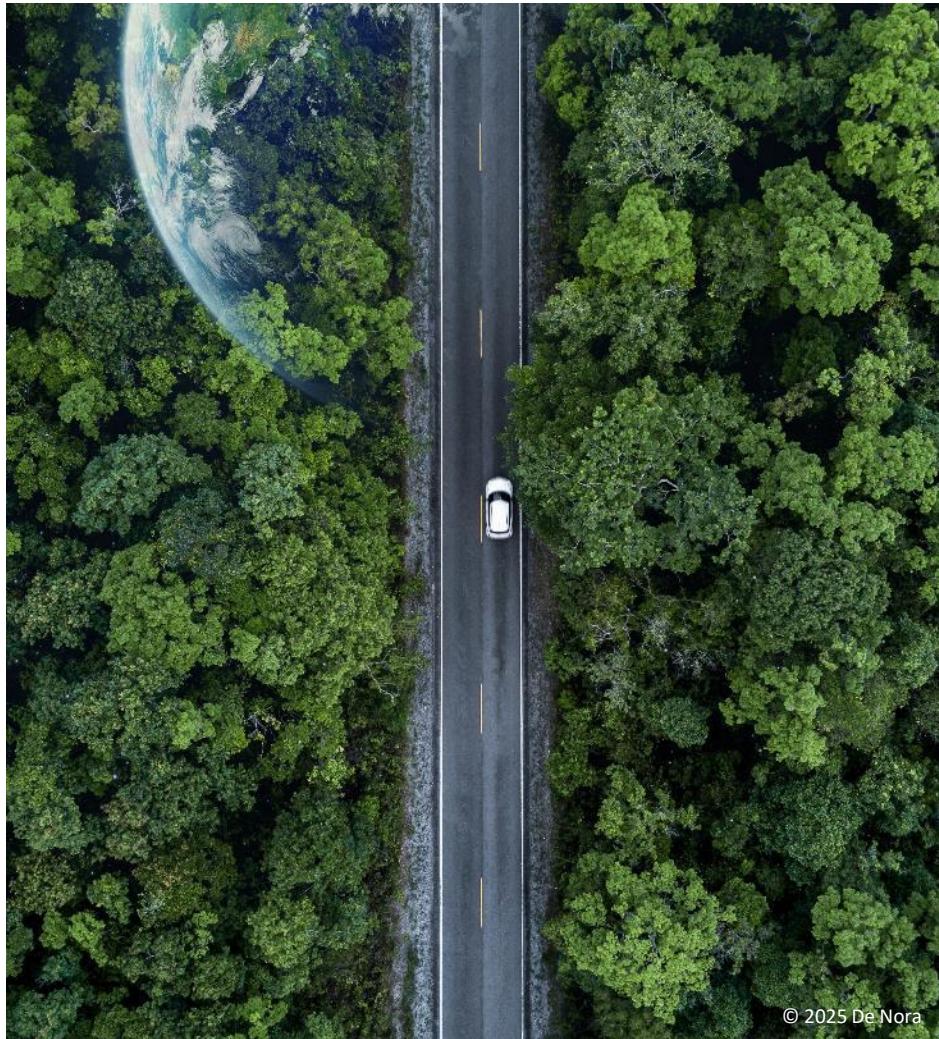




Electrochemistry, Water, Energy:
our future for a cleaner world

Since 1923 we have been showing up every day for one purpose: to provide the most effective, efficient, reliable, and technologically advanced solutions for the electrochemical, water, and energy industries.

We achieve this by carefully listening to the needs of our customers and the global society. We keep improving and delivering innovative products to solve the customer's problems of today for a better tomorrow.





The world's largest supplier of high-performing coatings and **electrodes** for industrial applications.

Leader in emerging sustainable technologies, and with a key role in **Energy Transition**.

Recognized provider of disinfection and filtration solutions for **water** and wastewater treatment.





€862.6m
2024 Revenues



24
Operating companies



+100
Years of Innovation

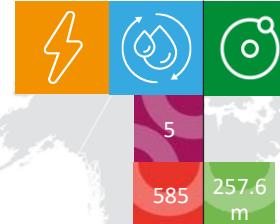


278
Patent families



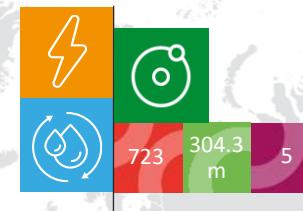
2082
People

AMS



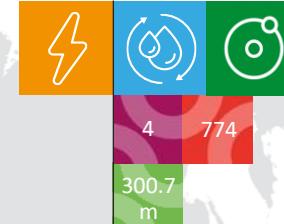
30 %

EMEIA



35 %

APAC



35 %



Revenues



Electrode
Technology



Energy
Transition



Water
Technology



Factories



People

Purpose, Vision & Mission



PURPOSE

Empower collaboration & champion resilience

VISION

Leverage available talents as catalyst for a sustainable future

MISSION

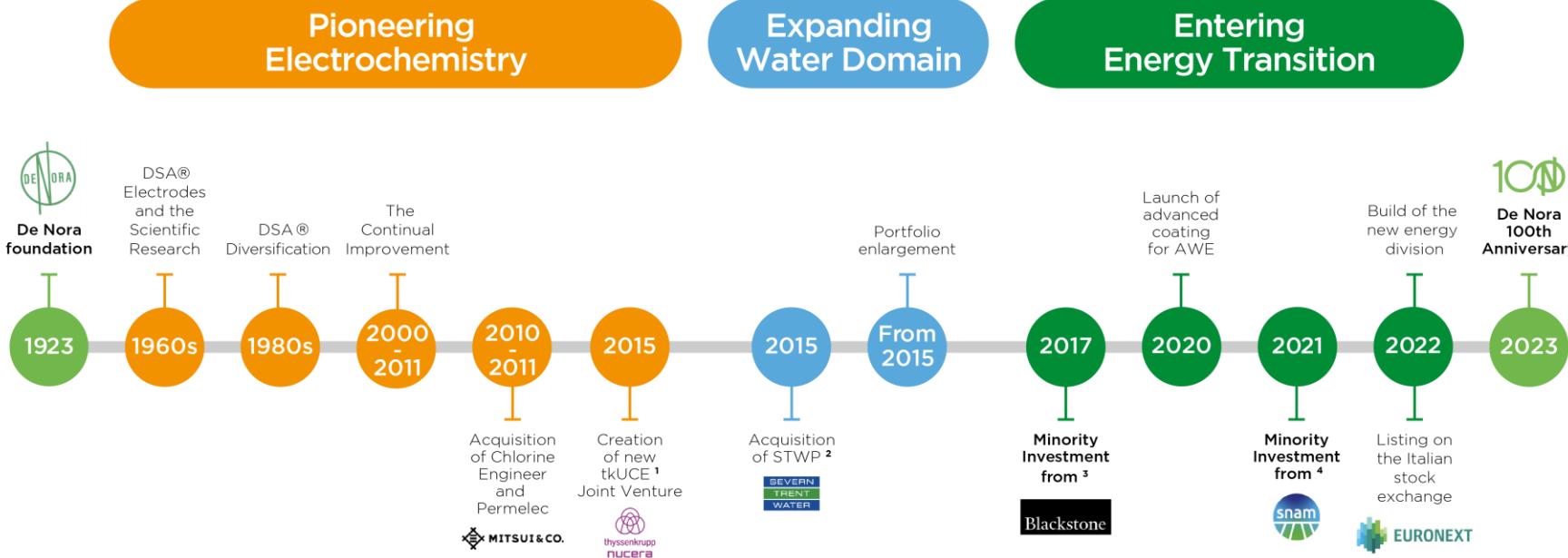
Agility & green technologies for value creation





Timeline

*Outstanding track record
of organic growth, supported by several
innovative technological breakthroughs and
successful transformational M&A activities*



¹ First Joint Venture with thyssenkrupp Uhde Chlorine Engineers ("tkUCE") was set up in 2001, renamed tk nucera in 2022.

² Acquisition of Severn Trent Water Purification Technologies.

³ Approximately 33% stake acquired from the De Nora family in April 2017.

⁴ Approximately 35% stake acquired from Blackstone in January 2021.



Businesses Overview

A comprehensive portfolio of mission-critical solutions and high-value-added aftermarket services.





Electrode Technologies



PRODUCTS

Anodes, Cathodes, Catalytic Coatings
Gas Diffusion Electrodes,
Cell Manufacturing

SERVICES



Electrodes recoating, repair
services and spare parts



Performance upgrades
and retrofits



Energy Transition



PRODUCTS

Dragonfly® system, DSA® Electrodes
for Alkaline Water Electrolysis (AWE),
Electrolysis Cells, Gas Diffusion
Electrodes (GDE) for Fuel Cells

SERVICES



Engineering design



Supply and maintenance
agreements



Water Technologies



PRODUCTS

Electrochlorination, Disinfection and
Filtration Technologies, Water
Treatment Technologies,
Electrodes for Pools

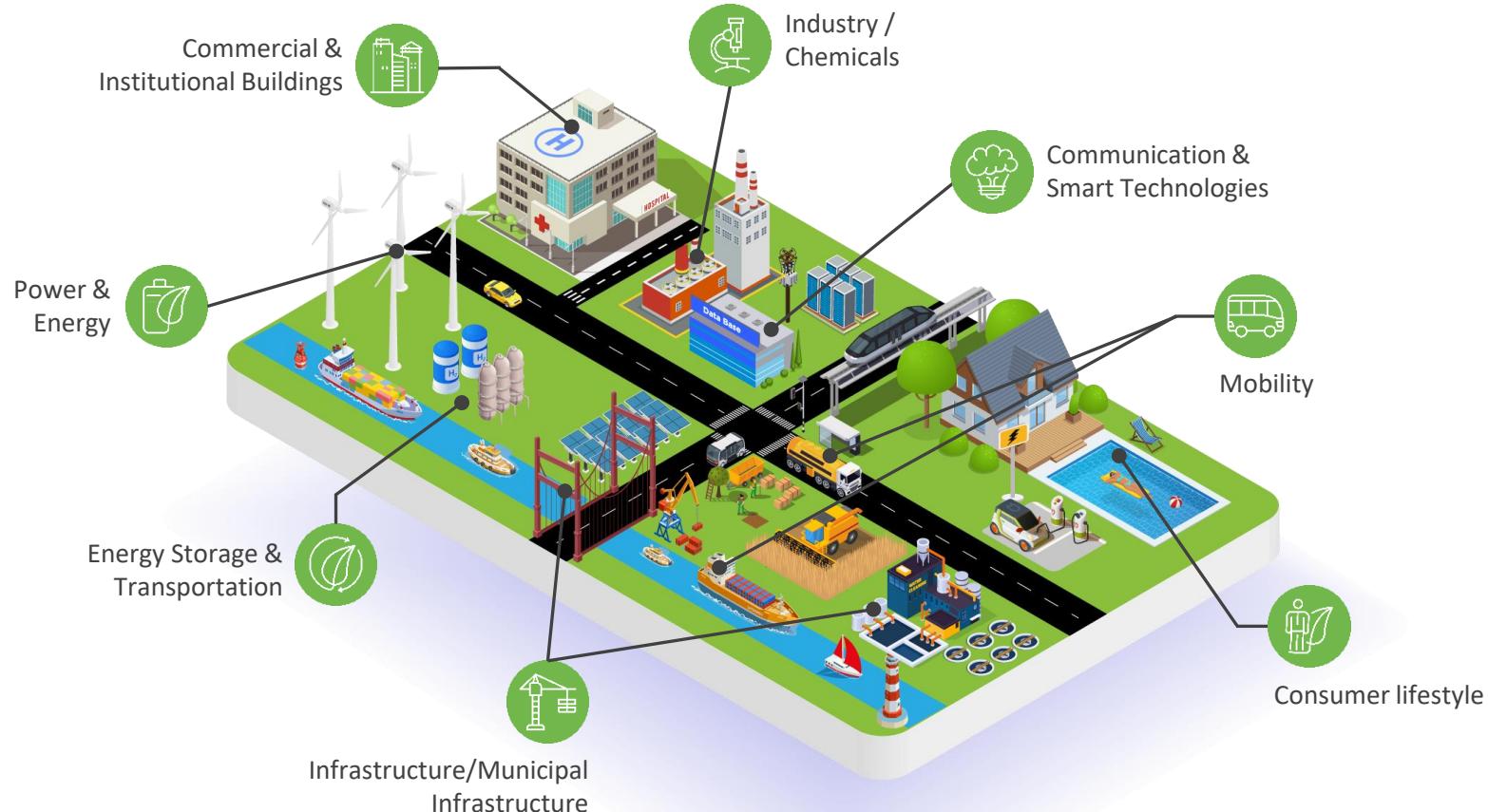
SERVICES



Technical assistance and
remote support services



Analytic services





Electrode Technologies

***#1 largest Supplier
of Metal-Coated
Electrodes worldwide***



De Nora's legacy and historical core business

Products: DSA® electrodes (anodes and cathodes), catalytic coatings, Gas Diffusion Electrodes (GDE), electrolyzers, and related accessories for electrochemical applications in several industrial sectors & services.

Services: electrode manufacturing, recoating and repair, spare parts, and technological upgrade of products and equipment to improve products' quality.



APPLICATIONS

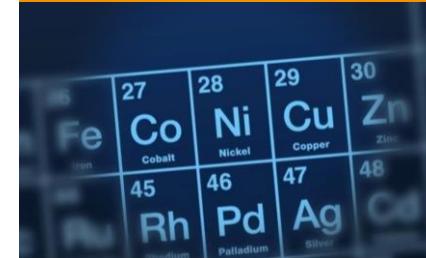
Chlor-alkali



Electronics



Metals Refining



OTHER APPLICATIONS



Pulp &
paper



Steel
galvanizing



Automotive
Chrome plating



Plumbing & furniture
Surface finishing



Steel & concrete
Corrosion protection



Energy Transition

***Global leader in
Technologies for Green
Hydrogen production***



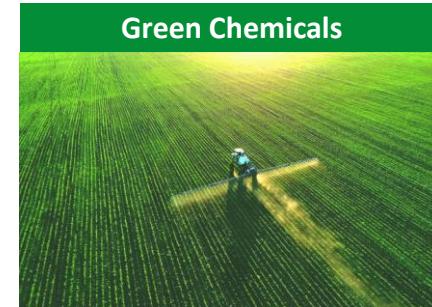
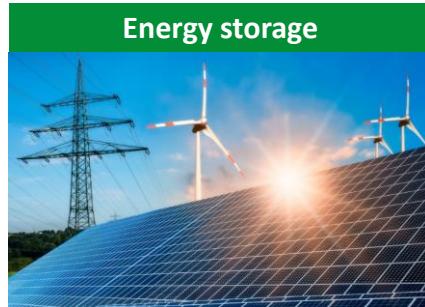
Energy Transition applications are the natural extension of the Electrode Technologies business.

Products: Dragonfly® system, DSA® electrodes for Alkaline Water Electrolysis (AWE), electrolysis cells, Gas Diffusion Electrodes (GDE) for fuel cells.

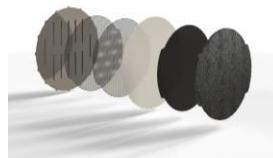
Services: electrodes manufacturing, recoating and repair, spare parts, supply and maintenance agreements, engineering design, joint development.



MAIN APPLICATIONS



PORTFOLIO



Electrodes for Alkaline Water Electrolysis (AWE)



Cells



Dragonfly® system



Gas Diffusion Electrodes for fuel cells



Water Technologies

***Recognized provider of
Water and Wastewater
Treatment systems***



Large portfolio of performing disinfection and filtration solutions.



Products: brine and seawater on-site sodium hypochlorite generators, advanced oxidation, ozone, gas chlorination, chlorine dioxide, UV technologies, filtration solutions, electrodes for pool chlorinators.

Services: preventive and routine maintenance of equipment and systems, refurbishment and technology upgrades, remote assistance, services, training, quality audits.



APPLICATIONS

Pools



Municipal



Industrial



PORTFOLIO – main brands



Electrodes for pool chlorinators



ClorTec® On-Site Hypochlorite Generator



Capital Controls® Ozone Generator



CECHLO® On-Site Generator

BUSINESS CONTINUITY



Remote monitoring & online support



Long-term supply & maintenance agreements



Tailored solutions & engineering design

ADDED VALUE



Performance enhancement



Product quality improvement



Environmental sustainable solutions



HOW

Close collaboration (Joint Development Agreement)

Electrodes available for rental

Flexible offers (commercial/duration)

Sustainability is in our DNA



Environmental, Social, and Governance factors (ESG factors) at the core of De Nora's values and strategy.

We provide clean, sustainable, and innovative technological solutions while promoting a circular economy with engaged people who are eager to make a difference.

GREEN INNOVATION

Flagship initiatives:

- Develop Product Scorecards disclosing our technologies' impact
- Reduce noble metals in our products

CLIMATE ACTION & CIRCULAR ECONOMY

- 50% Scope 1 & 2 emissions and -52% Scope 3 emission intensity,
100% renewable energy by 2030.



PEOPLE INCLUSION, WELLBEING, DEVELOPMENT

Flagship initiative:

- Enhance H&S governance and awareness
- Develop DE&I initiatives
- People development and wellbeing enhancement

LOCAL COMMUNITIES, SUSTAINABLE SUPPLY CHAIN

Flagship initiative:

- Suppliers' evaluation integrated with ESG criteria
- Local communities' engagement and value creation

De Nora is the Joint Venture partner providing advanced electrode technologies and cell manufacturing facilities for its Hydrogen and Chlor-alkali solutions



2001

Creation of Uhdenora S.p.A., equal joint venture between Industrie De Nora and thyssenkrupp.

2015

Uhdenora S.p.A. became tkUhdeChlorine Engineers. De Nora contributing with Chlorine Engineer.

2022

tkUhdeChlorine Engineers renamed in thyssenkrupp nucera

2023

thyssenkrupp nucera listed on the Frankfurt stock market



We are a Great Place to Work



In 2024, De Nora obtained the Great Place to Work® certification in Italy, proving that we shaped a top-notch working environment where people can work with pride, passion, and dedication.

The People Strategy is the polar star driving our actions along 5 pillars: People Development; Diversity, Equity & Inclusion; Wellbeing; Analytics & Digitalization; Reputation.



DE NORA
discover more

