



SUSTAINABILITY DAY

2026

NOW

CREATING VALUE AND
GENERATING POSITIVE IMPACTS
ALONG THE VALUE CHAIN

MUSEO NAZIONALE SCIENZA E TECNOLOGIA
LEONARDO DA VINCI, MILAN



De Nora Sustainability Plan to 2030

Chiara Locati
Martina Vettori

Green
Innovation

People:
inclusion,
wellbeing &
continuous
development



GOVERNANCE ETHICS
& TRANSPARENCY

Climate Action &
Circular Economy

Community
engagement &
sustainable
supply chain

Our Action Plan

A close-up photograph of a vibrant green leaf, showing its intricate vein structure. The leaf is the background for the 'Flagship Initiatives' section.

FLAGSHIP INITIATIVES

12 initiatives

In Green Innovation, Climate Action, and Circular Economy

A close-up photograph of several bright red chili peppers, showing their glossy texture and curved shape. The peppers are the background for the 'Quick Items' section.

QUICK ITEMS

20 Quick Items

More initiatives, including upgrades in ESG disclosure

An abstract, swirling pattern in shades of blue and black, resembling a marbled or liquid texture. This is the background for the 'Additional Priority Initiatives' section.

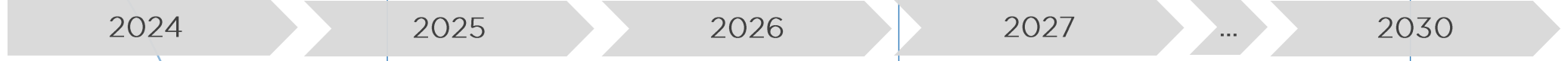
ADDITIONAL PRIORITY INITIATIVES

16 initiatives

In employees H&S, DE&I, Community Engagement, Supply Chain, Product Quality, Governance

A set of quantitative targets to boost our positive impact

(vs. 2022 baseline)



GREEN INNOVATION

Circular Design Guidance

Scorecard framework set-up

100% new products assessed by scorecard

>80% of R&D contributing SDGs

>50% of revenues contributing SDGs

100% existing products assessed by scorecard



CLIMATE ACTION

100% facilities ISO 14001

40% renewable electricity

25% reduction Scope 1 & 2 emissions

100% facilities certified ISO 50001

50% reduction of Scope 1 and 2

52% reduction of Scope 3 intensity

100% renewable electricity



CIRCULAR ECONOMY

40% of wood packaging reused

4% reduction in noble metal used

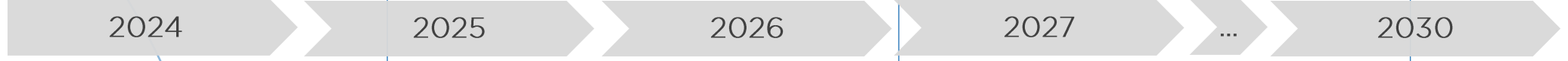
5% of recycled noble metals content in products

> 80% of deforestation-free wood packaging

1. Target is applied on 3 product groups: (1) Membrane, (2) Pools and Electrochlorination, (3) Alkaline Water Electrolysis

A set of quantitative targets to boost our positive impact

(vs. 2022 baseline)



PEOPLE: INCLUSION WELLBEING DEVELOPMENT

DE&I policy

Parental & Relocation
policy, extension to
all couples and
single parents

100% of sites
certified ISO 45001

100% facilities with
Safety Day and
Quarterly H&S reports

100% sites with a mental
health hotline

100% employees trained
on mental health awareness



SUPPLY CHAIN

2 Suppliers
audited (pilot)

>25% suppliers (by
spend) assessed

>50% suppliers (by
spend) assessed

100% High-Risk
suppliers engaged



GOVERNANCE ETHICS

Human Rights
policy

100% employees trained
on anti-corruption policy

100% of territories have an
Export Control guideline

ESG Plan progress

GREEN INNOVATION

- Circular Design Guidance embedded in our R&D process
- Sustainability Product Scorecard framework defined
- Ongoing analysis on SDGs contribution both on revenues and R&D expenses

CLIMATE ACTION & CIRCULAR ECONOMY

- 60% plants ISO 14001 certified in 2024 (27% in 2023). 28% plants ISO 45001 certified (20% in 2023)
- Sustainable packaging scouting: reused woods and other solutions
- 3.1 GWh PV plants connected
- Decarbonization plan ongoing
- Refinement to Scope 3 calculation and SBTi submission
- Internal procedure for GHG emission in investment selection

PEOPLE & LOCAL COMMUNITIES

- DE&I Policy Adopted
- Launch of InCLUDe Leadership program
- Partnerships for Affinity Network (e.g. Valore D)
- Ongoing definition of a target for % women among new hires

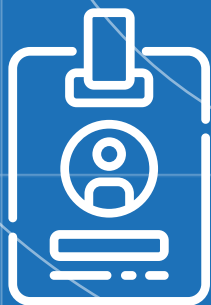
SUPPLY CHAIN & BUSINESS ETHICS

- ESG suppliers' evaluation platform selection
- Human Rights Policy Adopted
- Conflict Minerals analysis and declaration
- Other policies adopted in 2024: ESG supply chain, QEHS

Leading External Recognition¹



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**Plantable
paper badge
with seeds**

*eco***card**[®]



**Decor made
with recovered
plants**



**200 trees
planted for
the event**





De Nora

De Nora, an Italian multinational listed on Euronext Milan, specializes in optimizing energy efficiency for industrial electrochemical processes and offers solutions for water treatment.

www.denora.com



200
Alberi piantati



46,78 t*
CO₂ assorbita



1
Foreste



8
Paesi



ALBERI

Scopri >

I nostri alberi sono fotografati, geolocalizzati ed hanno una loro pagina online dove puoi seguire la storia del progetto di cui fa parte.



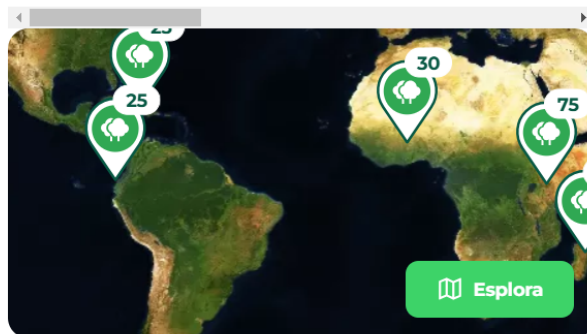
Tanzania
60 alberi



Thailandia
5 alberi



Nepal
30 alberi



FORESTE

Scopri >

Ultima foresta creata



De Nora Forest



200
Alberi piantati



1
Custodi

Visita la foresta



ALBERI CUSTODITI DA

Scopri >



Martina Vettori



ESG

Market Trends

Fabio Cancarè
Antonio Lorenzo Antozzi
Marwan Nesicolaci

COP29 Baku | Outcomes

COP29 was an important milestone in the Paris Agreement. It needed to deliver the finance to translate global consensus into national ambition.

Despite headwinds, COP29 delivered progress in two areas

- Developed countries agreed a **new climate finance goal of \$300B per year by 2035** for developing countries, as part of a broader effort to mobilize \$1.3T
- Parties agreed to **operationalize carbon trading under Article 6** of the Paris Agreement, raising the prospect of an UN-backed carbon market

COP29 made incremental progress on other negotiations, e.g., Loss & Damage Fund operationalization.

But COP29 failed to advance the **COP28 UAE Consensus**, including its call to ‘transition away from fossil fuels’ leaving its legacy in question.

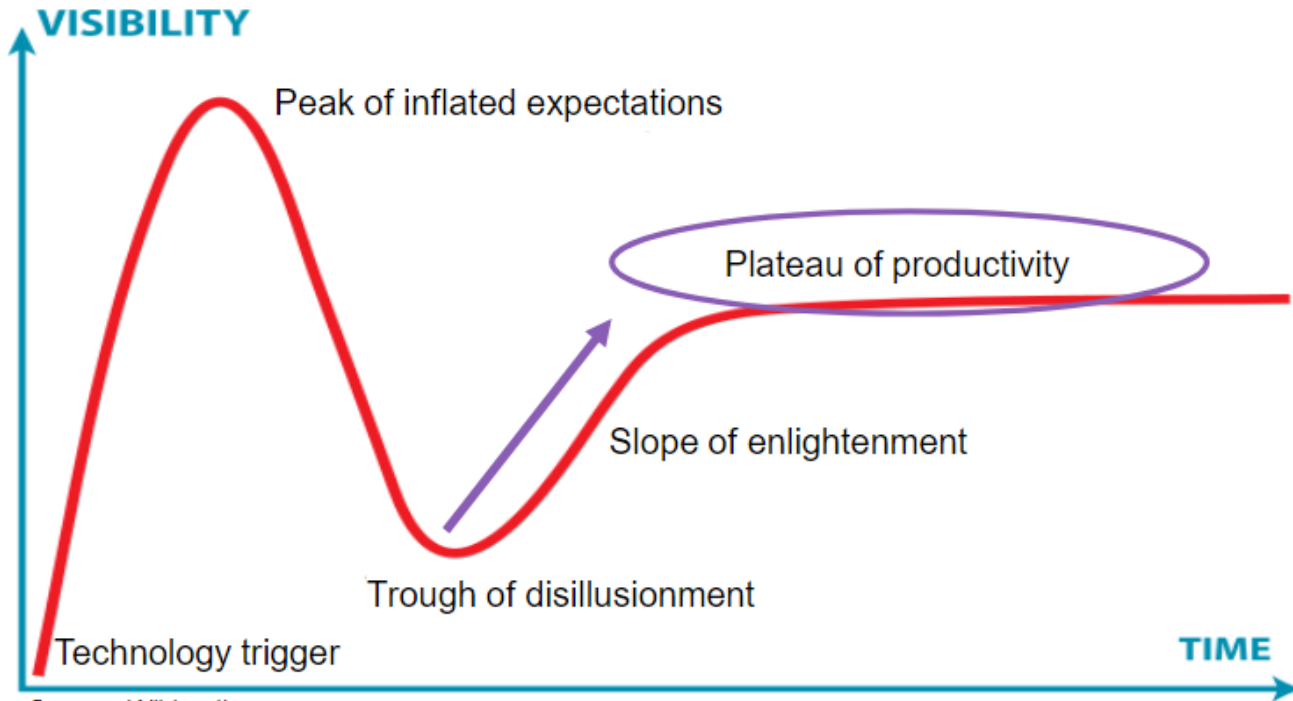
Looking ahead, national ambition will be the key theme of **COP30 in Brazil**; forests, food, agriculture and biofuels will be relevant too.



Found a narrow and possibly sufficient pathway through climate finance

H₂ Market Overview

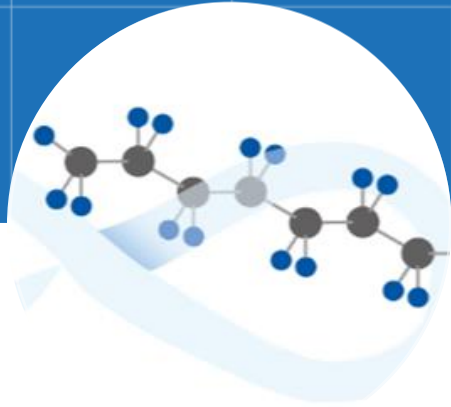
WHERE DO WE GO FROM HERE?



- Growing electrolyzer capacity reaching FID
- Growing government support
- Quotas
- Carbon prices

PFAS: the forever chemicals

What are PFAS



- Per- and poly-fluoroalkyl substances (PFAS)
- Man-made group of chemicals used in manufacturing and consumer products since 1950s
- **Strong chemical bonds** that take decades to break down naturally

9,000+ types

Where are they found



- Non-stick & waterproof coatings
- Textiles (color fastness)
- Pharmaceuticals, jet engines, refrigeration systems, electrical devices, etc.
- Fire fighting foams

In Everyday Life

Why “forever”



“Nothing Eats Then”

- There are no known natural process to degrade this bond
- Example, 500mg of PFOS would take 400 years to break down
- It accumulates in the environment unless removed and destroyed by technology

Stay Forever

How Does PFAS Get Into Water

PFAS from industry find their way into drinking water sources from either direct pollution, landfill leachate, or plume runoff.

- A** Industrial Discharge
- B** Agriculture Chemical Seepage
- C** Man-made heat-resistant materials
- D** Landfill Leachate Contamination
- E** Residential Disposals (sewage into bodies of water)

-  Industrial Sources
-  Municipal Sources



Why Do We Care – The Impacts of PFAS

UNAVOIDABLE

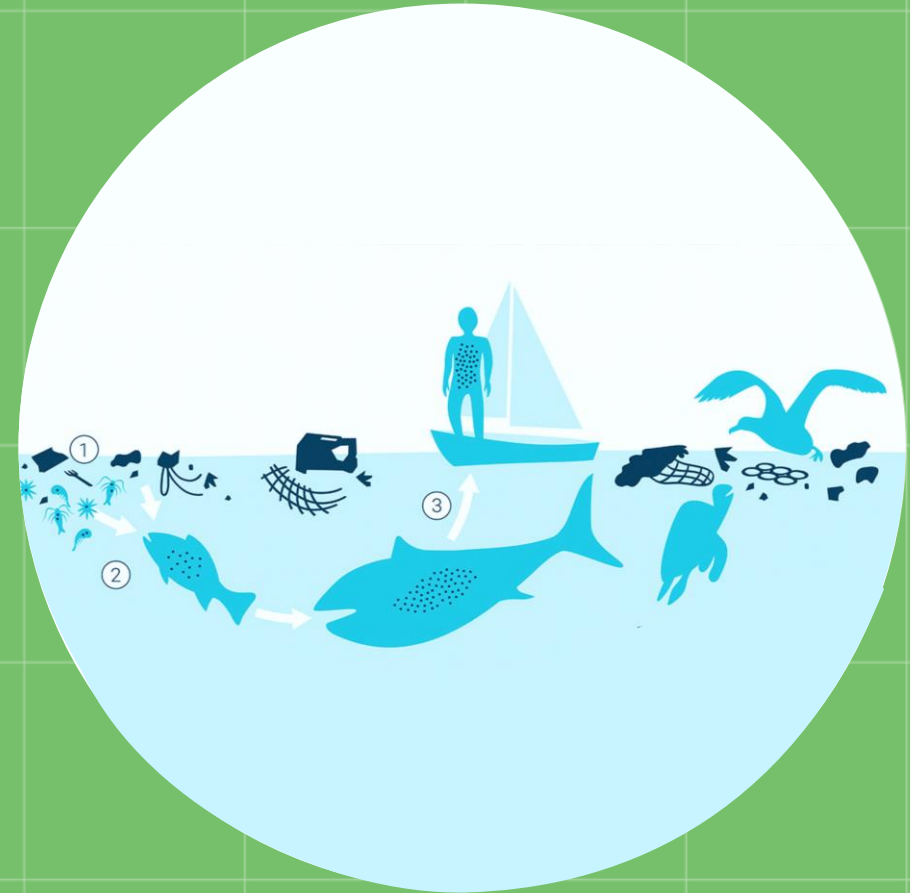
- Pervasive in daily life
- Not restricted by geographical boundaries.
 - It can be transferred through sea spray aerosols and rainwater

ACCUMULATION IN ORGANISMS

- Persistent and Resilient
- **BIOACCUMULATION** – they build up in organisms' tissues higher than those in the environment
- Parts Per Trillion in water → Parts per Billion in bloodstream
- Found in wildlife and the bloodstream of **99% of humans**, even in remote corners

SEVERE HEALTH CONCERNS

- Reproductive & development issues
- Low birth weight
- Hormone imbalance
- Immune system effects
- Cancer
- Restricted liver and kidney function





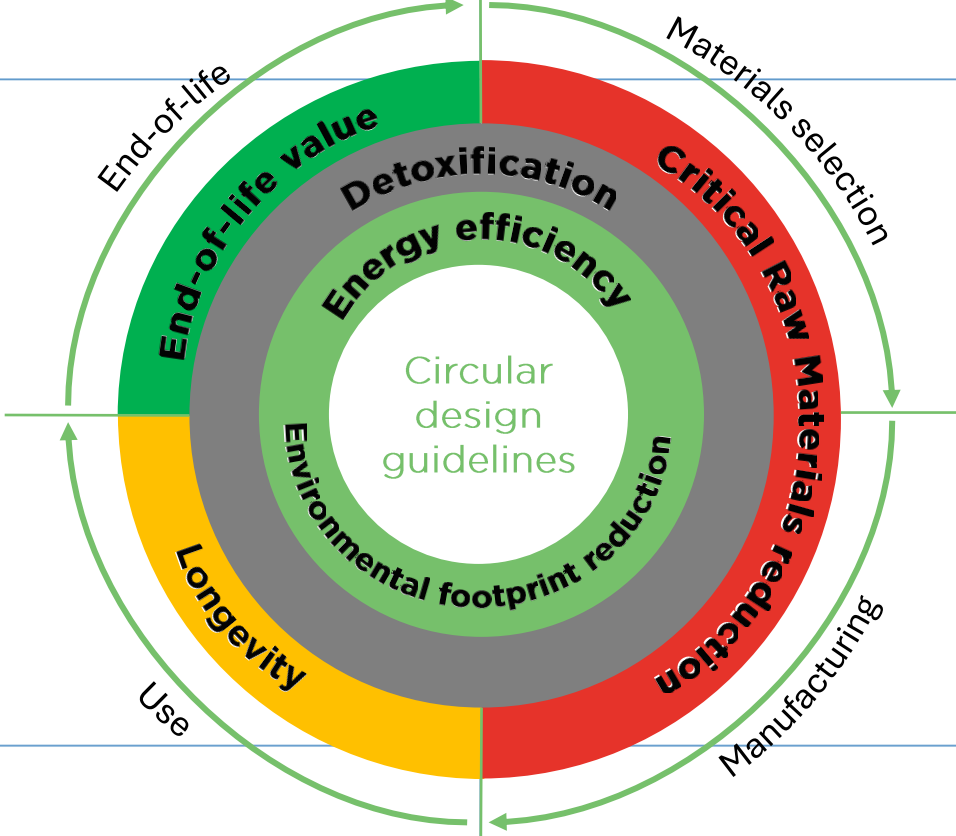
POSITIVE IMPACT THROUGH
SUSTAINABLE TECHNOLOGIES

Product scorecards: De Nora's product sustainability

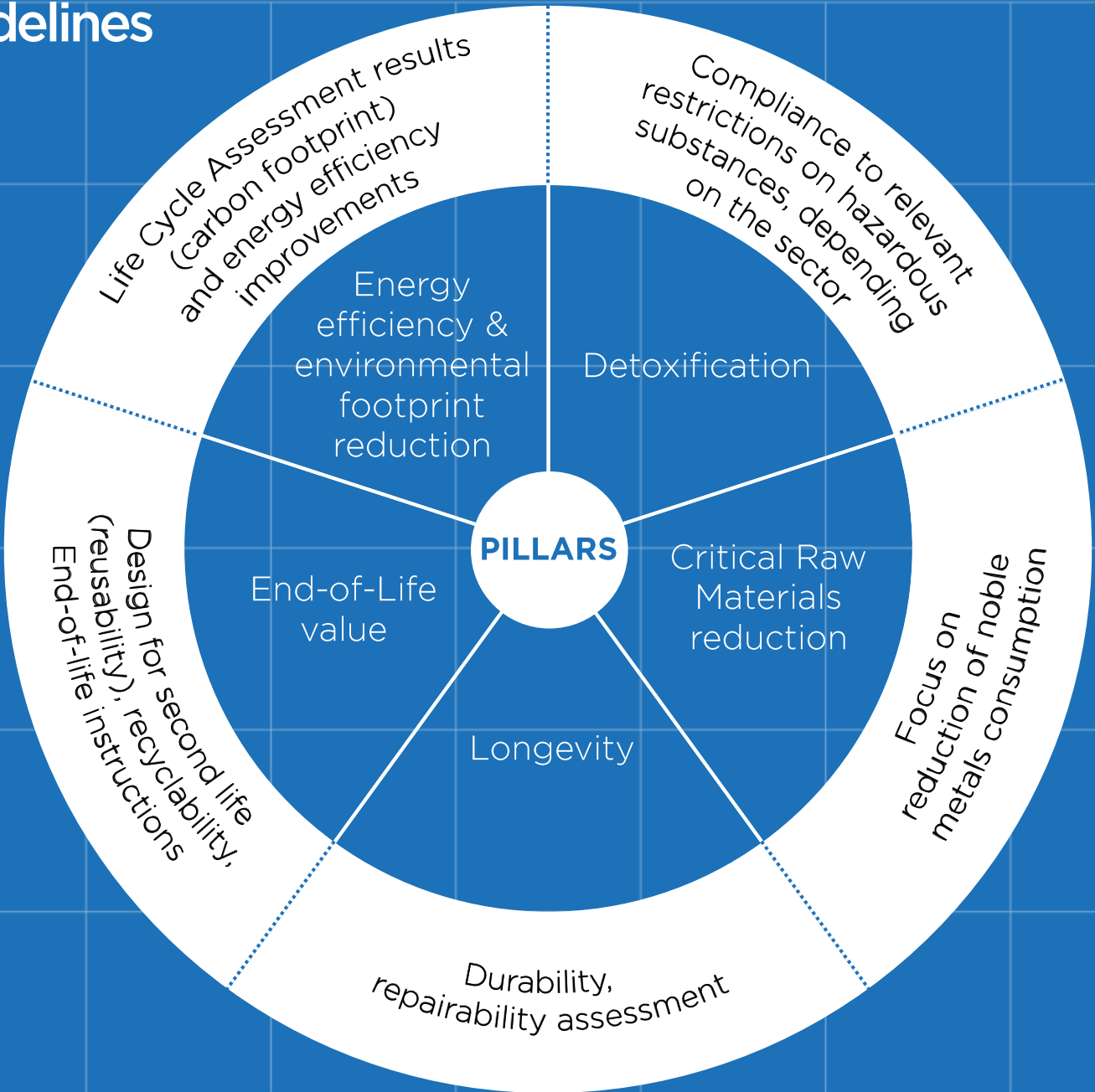
Davide Rovelli
Green Innovation Manager

Products' sustainability | 2023 - 2024 journey

- Internal procedure for Life Cycle Assessments
- First audited carbon footprints of our products
- Adoption of circular design guidelines + dedicated training



Circular Design Guidelines adoption



Sustainability of De Nora's products: Scorecard

Contribution to Sustainable Development Goals



Life Cycle Assessment results

Carbon footprint:

- kg CO₂-eq emitted during construction of the product
- kg CO₂-eq saved due to improved energy efficiency
- % renewable energy consumed during manufacturing

Circularity indicators

- Consumption of critical raw materials: % noble metals reduction, with respect to previous product version; average recycled noble metal content
- Mapping hazardous substances, if any
- Guaranteed lifetime: 8 years
- Possibility to reuse substrate and structural components; and to recycle residual noble metals at end-of-life



Additional technical documents, if needed

- Environmental product declarations, LCA-based
- Product datasheets for electrodes



Energy Transition products

Contribution to decarbonization: potential CO₂-eq avoided across product useful life, due to enabling green hydrogen production



Water Technologies products

Contribution to clean water production: m³ drinkable water/day produced across product useful life

... And so on

Social sustainability initiatives



CODE
OF ETHICS



HUMAN RIGHTS
POLICY



SUPPLIERS'
CODE OF ETHICS

...



POSITIVE IMPACT THROUGH
SUSTAINABLE TECHNOLOGIES

Technologies enabling Energy Transition: DragonFly[®] Case

Alessandro Fiorucci
R&D Engineering Manager

DragonFly[®] System

SYSTEM BREAKDOWN (1MW size)

Overview based on
HyTecHeat Project

Utilities

- Compressed air generator & storage
- Nitrogen generator & storage
- Demi water generator & storage
- Chiller

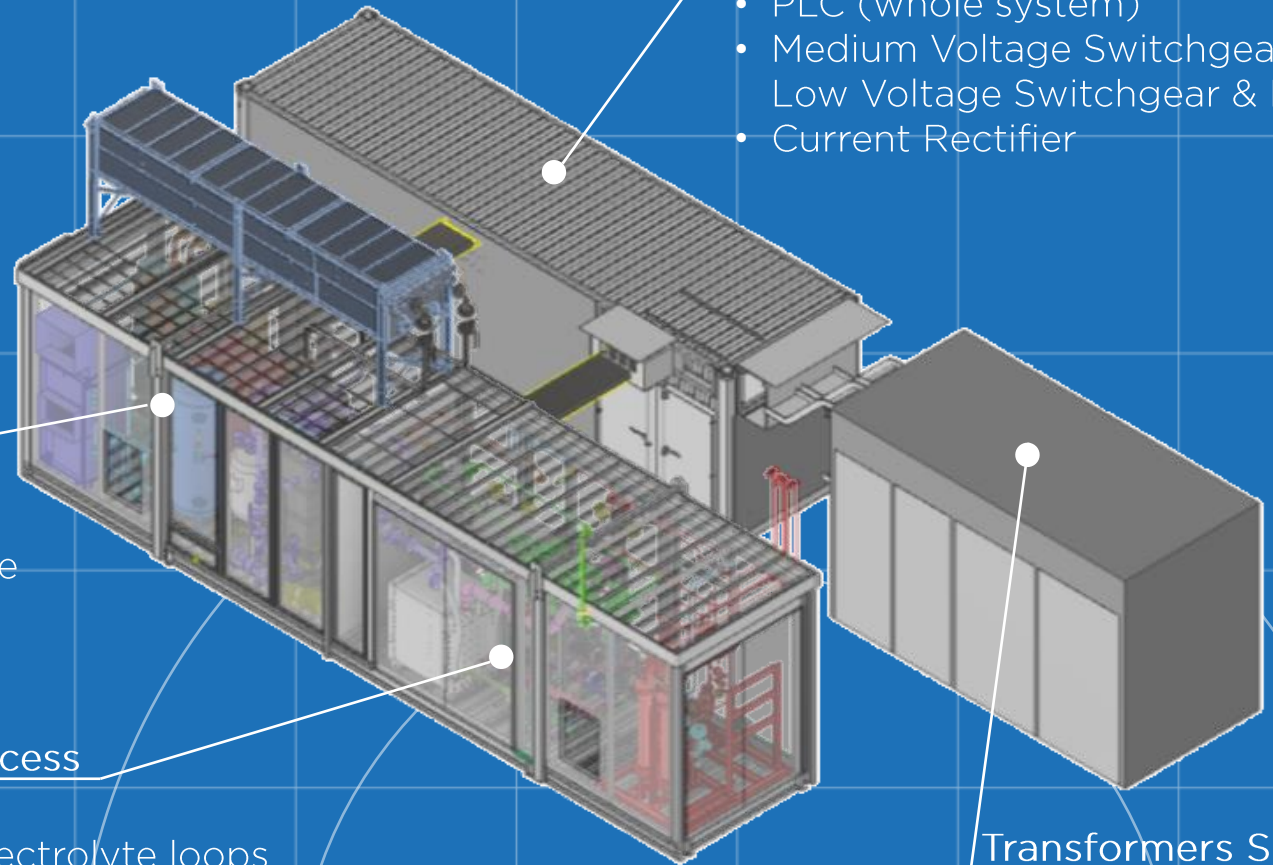
Main Process

- Stack
- KOH electrolyte loops
- Cooling Water Circulation
- Hydrogen Treatment
- Gas Analyzer (O₂/O₂ & O₂/H₂)

Electrical & Instrumentation

- UPS & Battery Pack
- PLC (whole system)
- Medium Voltage Switchgear, Low Voltage Switchgear & MCC
- Current Rectifier

Transformers Skid

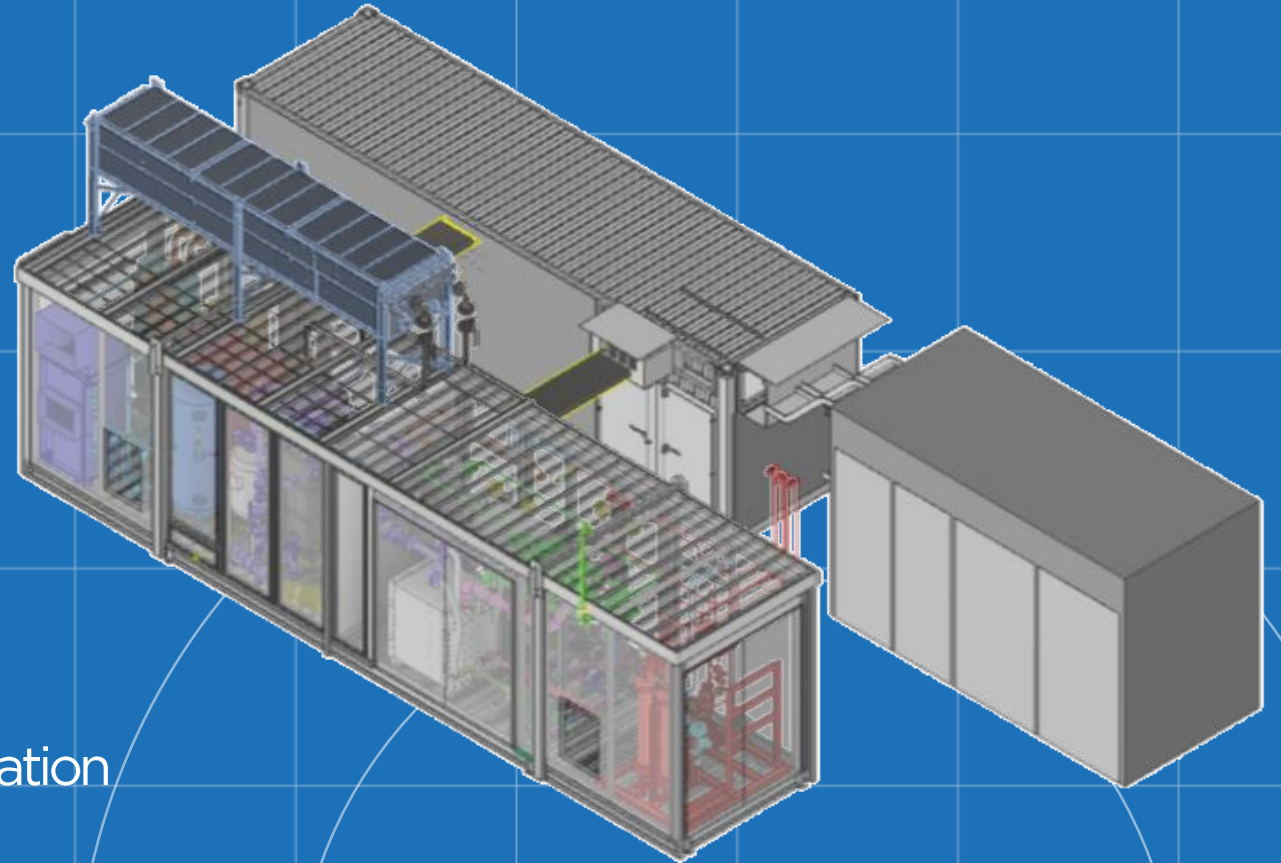


DragonFly[®] System

LIFE CYCLE ASSESSMENT

Study basis: System Bill of Material & Assembly Routing

- First Assessment:
 - internal know-how (e.g., electrode manufacturing)
 - interaction with key suppliers (e.g., evaluation of scrap rate)
 - literature datasets (e.g., third-party supply)
- System first rough CO₂ footprint evaluation
- Further revision in next design review





POSITIVE IMPACT THROUGH
SUSTAINABLE TECHNOLOGIES

CECHLO™ MS 200

High-Strength On-Site Sodium

Hypochlorite Generation System

Alex Bettinardi

Global Product Director Water Technologies

Challenges in modern water treatment



Supply chain insecurity



Complexity and size of equipment



Ensuring public and employee safety



Cost



Disinfection byproducts



Equipment support



Why CECHLO?



Supply chain peace of mind



Small footprint and easy to operate



Safe technology using just salt, water, power



Low lifecycle costs



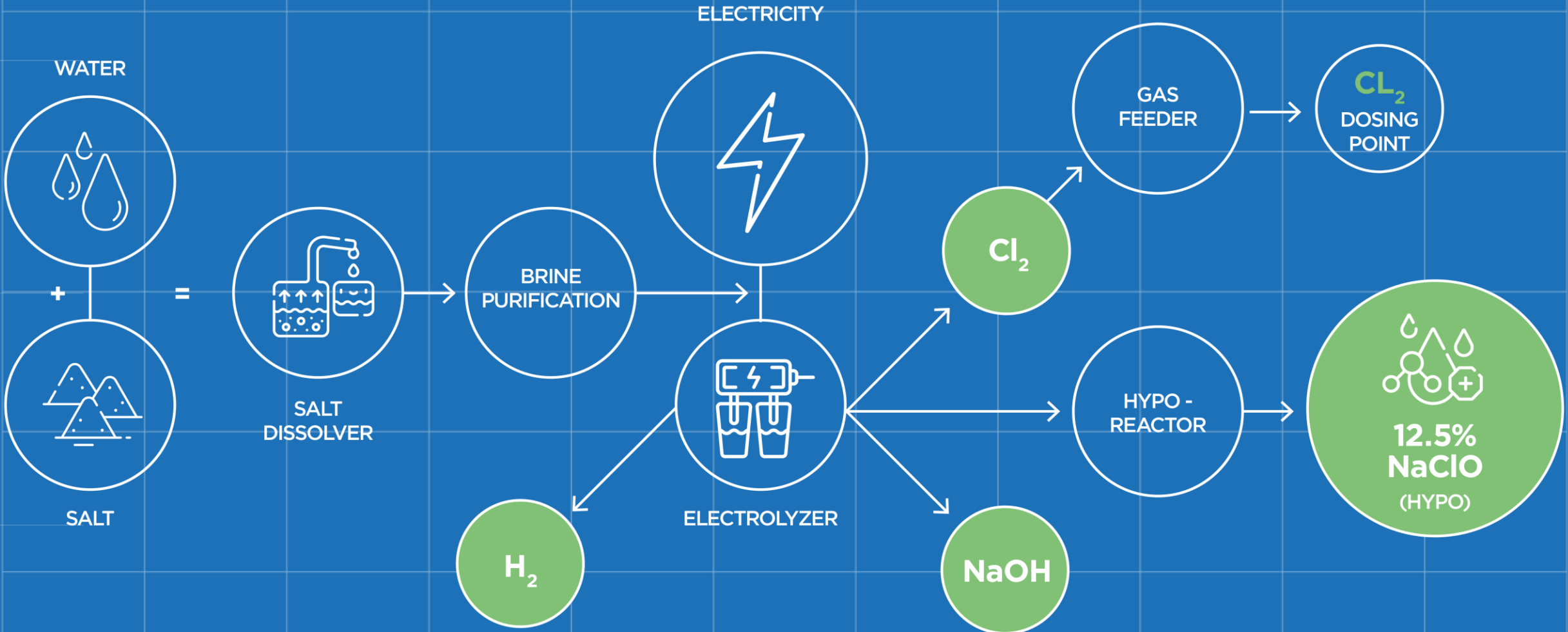
Mitigates disinfection byproducts production



Global equipment support and expertise



CECHLO System



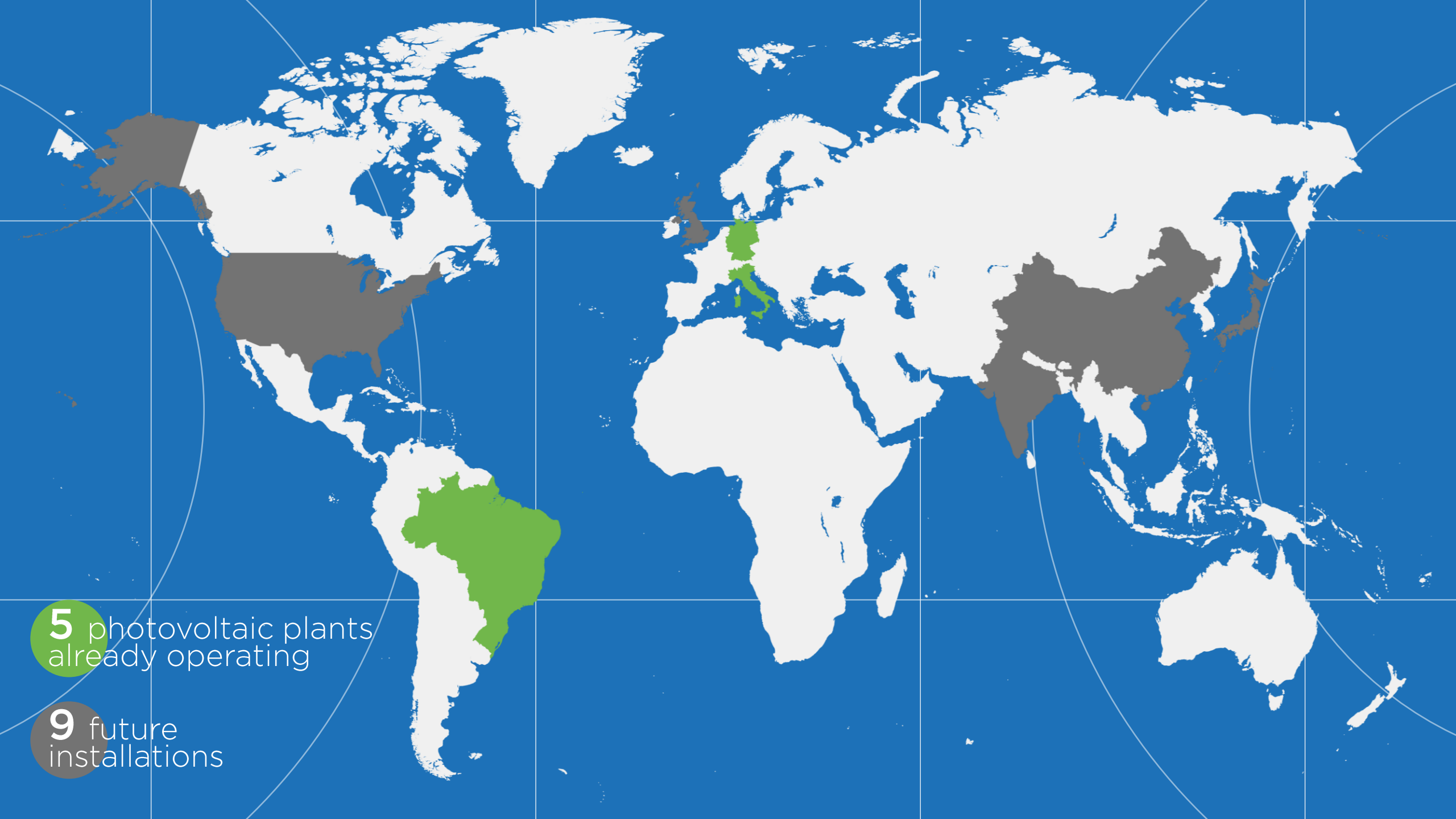


Climate Action & Circular Economy

Filippo Ronzani
Peter Damiano
Edoardo Cecchetti
Christian Urgeghe

Decarbonization Plan





5 photovoltaic plants
already operating

9 future
installations

New Industrial Hub



Milestone for the development of the Sustainable Italian Industry



Minimization of CO₂ emissions



Hub for all De Nora Business units

TIMELINE



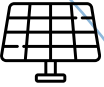
2024



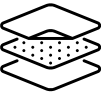
mid-2026
fully operative



Sustainable Architecture



Energy production through photovoltaic panels



Photocatalytic materials covering the facades (promoting the decomposition of atmospheric pollutants)



Transparency to natural light and natural ventilation



Workplace respecting natural resources



Value-generating sustainable supply chain for GigaFactory and Dragonfly® system

GigaFactory

A model for a sustainable future



Scope: supply chain from the construction to machinery integrating ESG values at every level of our supply chain



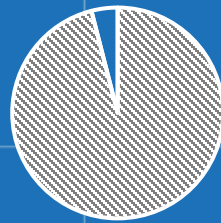
Tool: comprehensive ESG questionnaire



Result: suppliers align with our commitment to sustainable practices, ethical sourcing, and reduced environmental impact

Dragonfly®

96% Suppliers
with an average distance
of 80km from the factory



PROCUREMENT AWARD

Sustainable and local supply chain generates value for:



Environment, with the minimization of CO₂ emissions related to transport and returnable packaging initiatives



Italian firms, allowing their development in a new emergent technology making them more competitive in a new market



The society, with the development of new job positions and infrastructures

De Nora Supply Chain Strategy



Building a Strong Foundation

Objective : Assessing the ESG level of our suppliers to understand their compliance to these themes

Outcome : Evaluating the level of sustainability of our supply chain



Proactive ESG Risk Assessment

Objective : Developing tools to identify suppliers who might have a high ESG risk

Outcome : Engage high-risk suppliers



ESG Criteria Integration in Supplier Selection

Objective : Integrating ESG into selection criteria (quality, cost, timing, and sustainability)

Outcome : Align our supplier ecosystem with our long-term ambitions to create shared value and maximize resilience



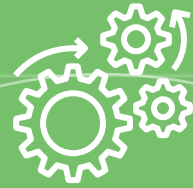
Creating Competitive Advantage

Objective : Investors and consumers increasingly value companies with strong ESG credentials

Outcome : A competitive advantage through a sustainable and innovative supplier network

Circular Economy: a priority in our ESG journey

Ambition:
become a LEADER



Revision of internal PROCESSES
and PROCEDURES

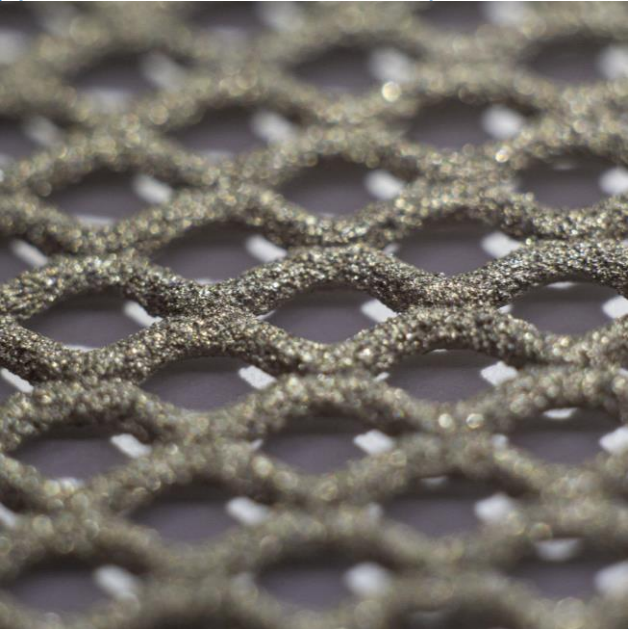


Work in PARTNERSHIP
with our suppliers

RECYCLING
target fixed



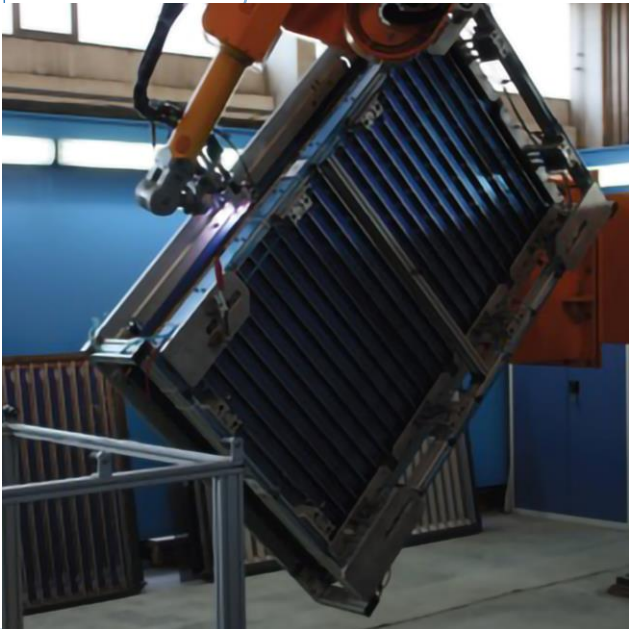
De Nora Products



Coating

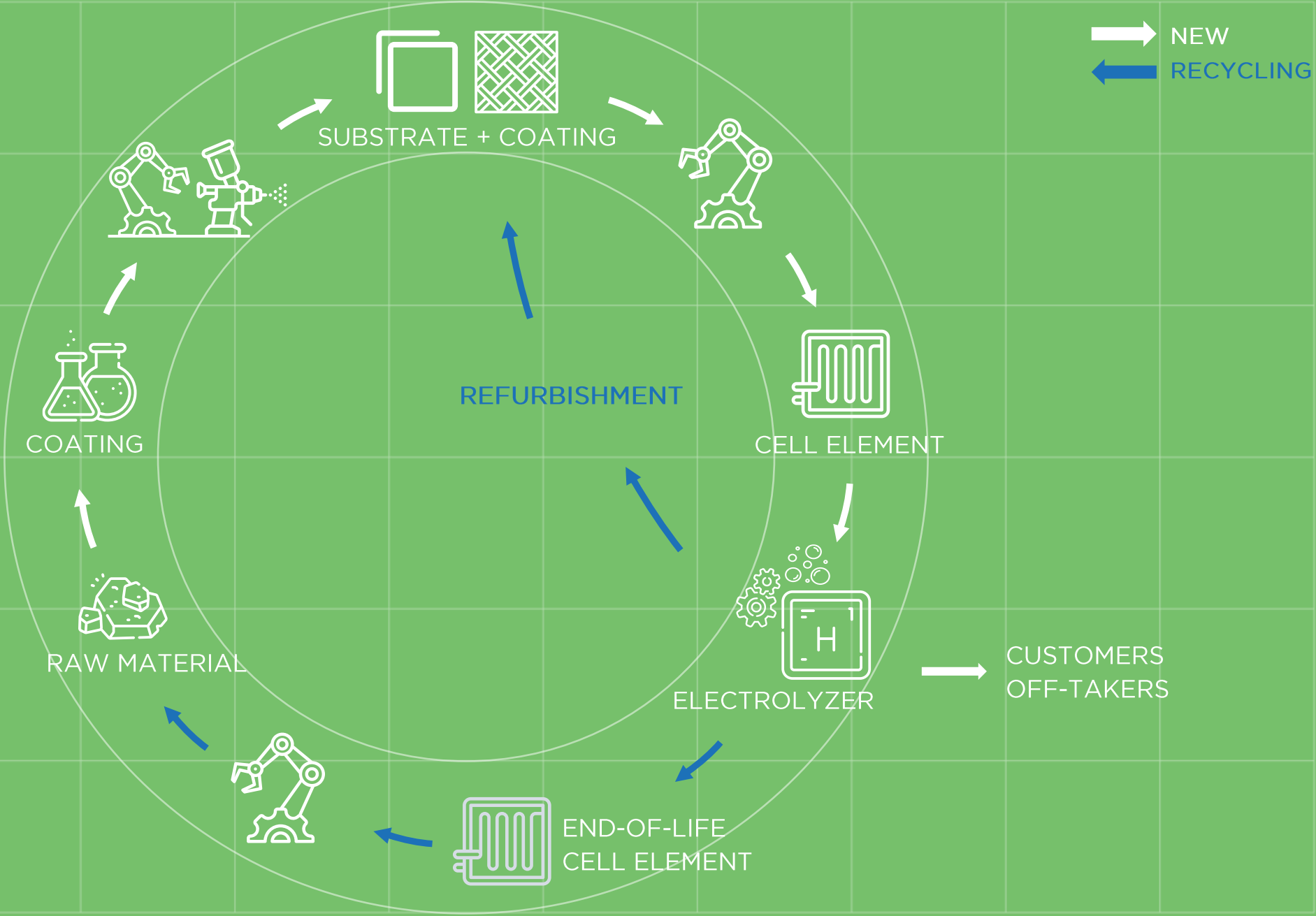


Electrode



Cell Element

Our Circular Model





SUSTAINABILITY DAY

CREATING VALUE AND
GENERATING POSITIVE IMPACTS
ALONG THE VALUE CHAIN

THANK YOU