



# ACCELERATING THE TRANSITION TO A LOW CARBON WORLD

**Axens**  
Powering integrated solutions

“

With expertise,  
commitment, and  
the trust of our partners,  
we will continue  
to facilitate meaningful  
progress in the energy  
and chemicals industries’  
transformation toward  
sustainability.

”

## EDITORIAL

**Quentin Debuisschert**  
CEO & Chairman of the Board,  
Axens

For over 20 years, Axens has developed technological solutions that set industry standards—answering market demand, driving efficiency and delivering long-term transformation. Our expertise equips our clients to navigate evolving demands while ensuring reliability, sustainability and performance. Axens’ innovations continue to shape the future of industry.

Innovation and execution go together. Driven by passion, our teams turn ideas into solutions for advancing clean fuels and chemicals production and natural gas treatment.

The energy and chemicals sectors are transforming, and Axens is a major contributor to this momentum. We are constantly expanding our offering for advancing emerging markets and meet the requirement of combining affordability of goods and lowering impact for the planet. Each of our solutions is unique to the specific needs of our customers as they embark on the path of transition. Whether exploring biomass and green energy for renewable fuels, purifying chemicals products, air or water, enabling carbon capture or promoting circular resource solutions, we provide unwavering support from inception to conception.

The world of Industry requires action today with a pragmatic approach. Our teams’ unfailing commitment to delivering measurable results for our customers and partners, bolstered by our technological DNA, allows Axens to contribute to a more sustainable future for our industry.



# EXPERTISE

## THAT TAKES OUR SECTOR FURTHER

With over 20 years of expertise, Axens is a leader in refining, chemicals production, gas treatment and energy efficiency. We deliver a wide range of technologies and solutions—including licensed processes, catalysts & adsorbents, specialized equipment, and services—for the conversion of oil and biomass into cleaner fuels, petro and green chemicals production and purification, plastic and metals chemical recycling, natural gas production, water purification, and carbon capture. Through these, our clients optimize environmental performance, enhance energy efficiency, and reduce carbon intensity.

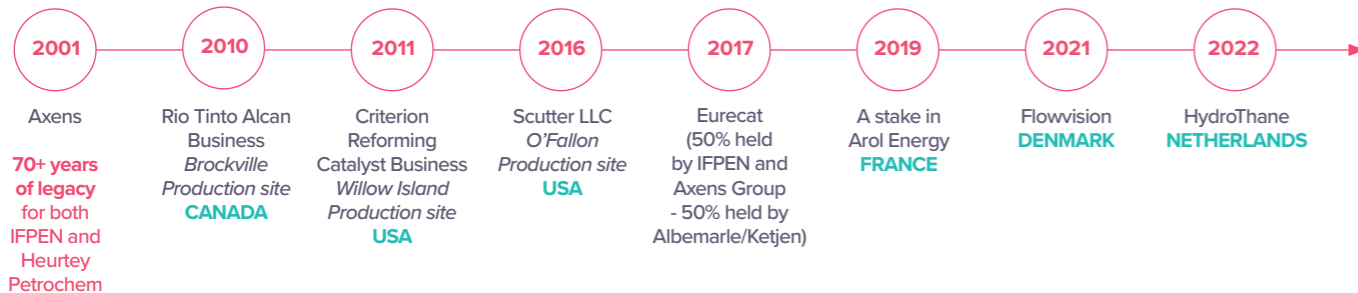


Axens is founded as a subsidiary of IFP Energies nouvelles (IFPEN).

## A GROUP SHAPED BY STRATEGIC ACQUISITIONS



Headwaters Technology Innovation  
USA  
Heurtey Petrochem Group

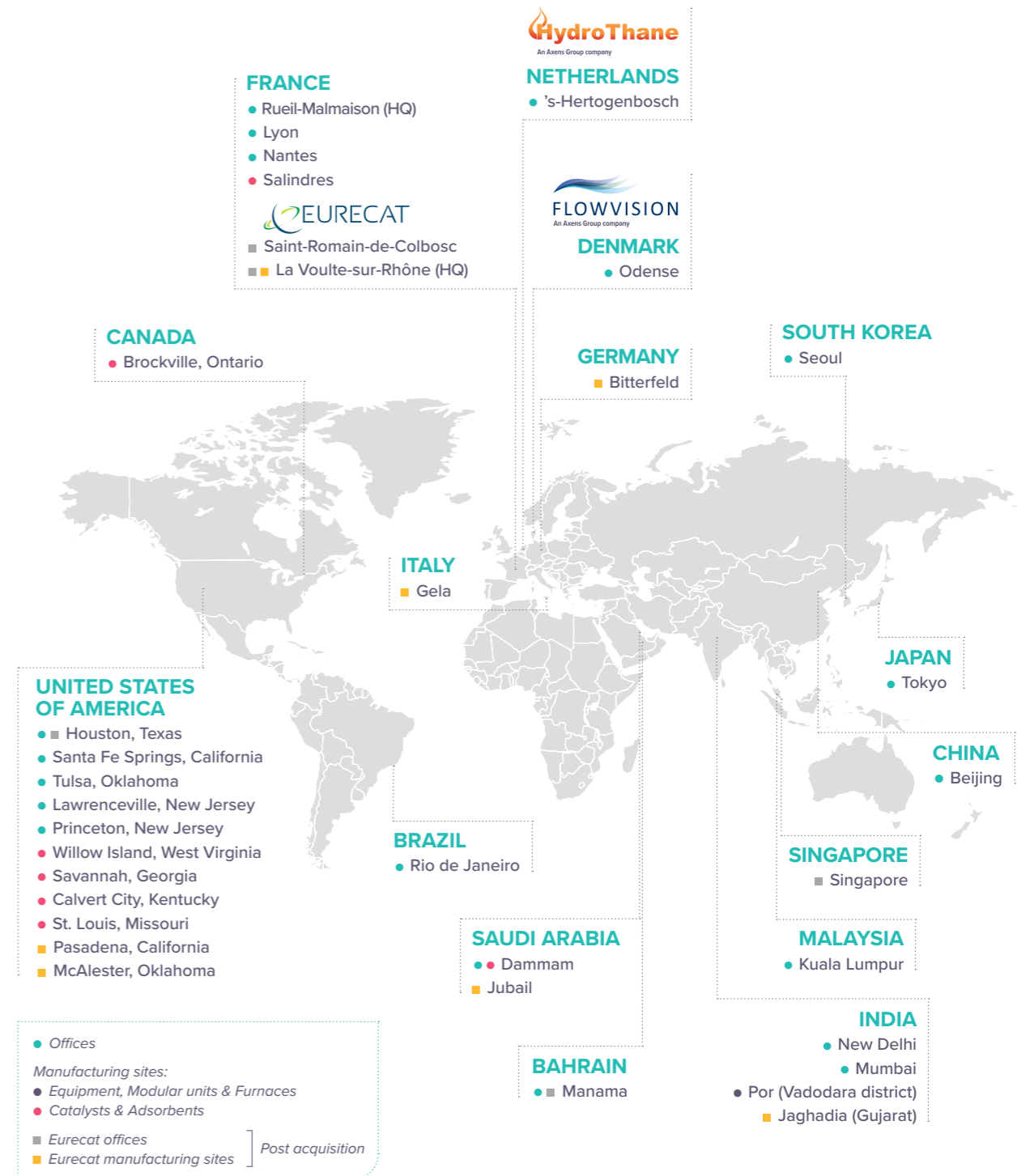


GLOBAL OPERATIONS

>2,600 employees

13 countries

15 manufacturing plants



# ACTIVATING INDUSTRY, GENERATING GROWTH

Axens combines sector expertise and innovation to help clients improve efficiency and respond to evolving energy and environmental demands. With a pragmatic approach and a strong foundation in innovation, we deliver the technological solutions that make transformation achievable—at every stage of the journey.



**VISION**  
In a fast-changing world shaped by increasing environmental awareness and connectivity, the energy and chemical industries must invent prospective solutions to contribute to a better quality of life and a preserved planet.

**MISSION**  
Technology excellence at the service of a sustainable transition: our partnering spirit and our passion drive innovation into an industrial reality.

## OUR SHARED VALUES



### Inventiveness

We push boundaries to create solutions that drive real impact—advancing cleaner energy, efficiency, and sustainability.



### Responsibility

Our technologies shape industries. We act with integrity and accountability, helping build a foundation for the future.



### Excellence

Delivering proven, high-performance technologies that meet the challenges of today and shape the future of energy.



### Diversity

Different perspectives strengthen our expertise. We bring together perspectives across disciplines, industries, and global markets.

## VISION INTO ACTION

We develop solutions that support the energy transition and climate action. Our focus spans decarbonization, sustainable fuels, carbon capture, air and water purification, and resource recovery—helping industries adapt to shifting environmental and regulatory demands. We bring innovation to life by pairing proven technologies with real-world execution. And we work side by side with clients and partners on complex projects to drive success and long-term value.

### Shaping Solutions for Key Challenges

The Energy and Chemicals sectors face four major challenges that drive the need for sustainable transformation: climate change, population growth, resource scarcity, and people's aspiration for progress and improved living standards.

### A Strategy for Impact

To achieve our mission, we have strengthened our offer, operations, and strategy to partner with clients, accelerating their sustainable transitions and securing their future success. That means delivering affordable products, cutting emissions with sustainable solutions, scaling technologies through real-world deployment, and converting a large portion of profits into R&I\* by improving performance across markets. We stand behind our technologies committing early, testing at scale, and align ourselves with our clients' objectives, treating their success as our own. We are also investing in our people—building skills and creating space for growth.

### A Commitment Beyond Business

We are committed to ensuring health and safety, preserving the environment, and creating long-term value for industries and communities.

\* Research and Innovation

# COMPREHENSIVE INDUSTRIAL SOLUTIONS

Axens provides the expertise and technology that guide what's next for industry. Our solutions improve efficiency, enhance reliability, and support long-term growth.

With extensive technical expertise and a history of strong innovation, we support our clients in an industry that is constantly changing. Well-established internationally, with partners and production facilities worldwide, Axens is equipped to align with regional needs. Fully embracing digitalization, we integrate data-driven tools and automation to optimize operations, enhance decision-making, and drive efficiency at scale.

## Driving Innovation in Clean Fuels & Gas & Chemical Intermediates

- Clean Fuels
- Chemicals Intermediates
- Natural Gas Treatment
- Energy Efficiency

Design of comprehensive refining solutions to produce high-quality fuels and optimize refinery performance

Production and purification of petrochemical intermediates such as olefins and aromatics

Treatment, purification and drying in onshore and offshore natural gas production

Reduction of emissions, cost savings, and performance enhancement through site-wide initiatives, unit optimizations, and targeted equipment upgrades, ensuring measurable gains

## Promoting Circularity

- Plastics Recycling
- Metals Recycling

Promotion of plastic circular economy through chemical recycling

Promotion of circular economy through catalyst regeneration and recycling, and metals recycling

## Pioneering Low Carbon Fuels and Chemicals

- Renewable Fuels & bio-based chemicals
- Carbon Capture Utilization & Storage
- Low Carbon Gases
- Electrification/Battery Materials

Transformation of diverse feedstocks into renewable fuels and bio-based chemicals, delivering products such as SAF\*, renewable diesel, cellulosic ethanol, bio-olefins, and bio-aromatics

Capture of CO<sub>2</sub> (pre- and post-combustion) for reuse in e-fuels (alternative fuels produced from hydrogen and CO<sub>2</sub>)

Purification and recovery of biogas. Production, transformation, transportation and purification of hydrogen from any source and the production of low carbon hydrogen

Design of technologies including energy-efficient e-furnaces and cutting-edge materials for EV\*\* batteries to enhance energy density and extend lifespan

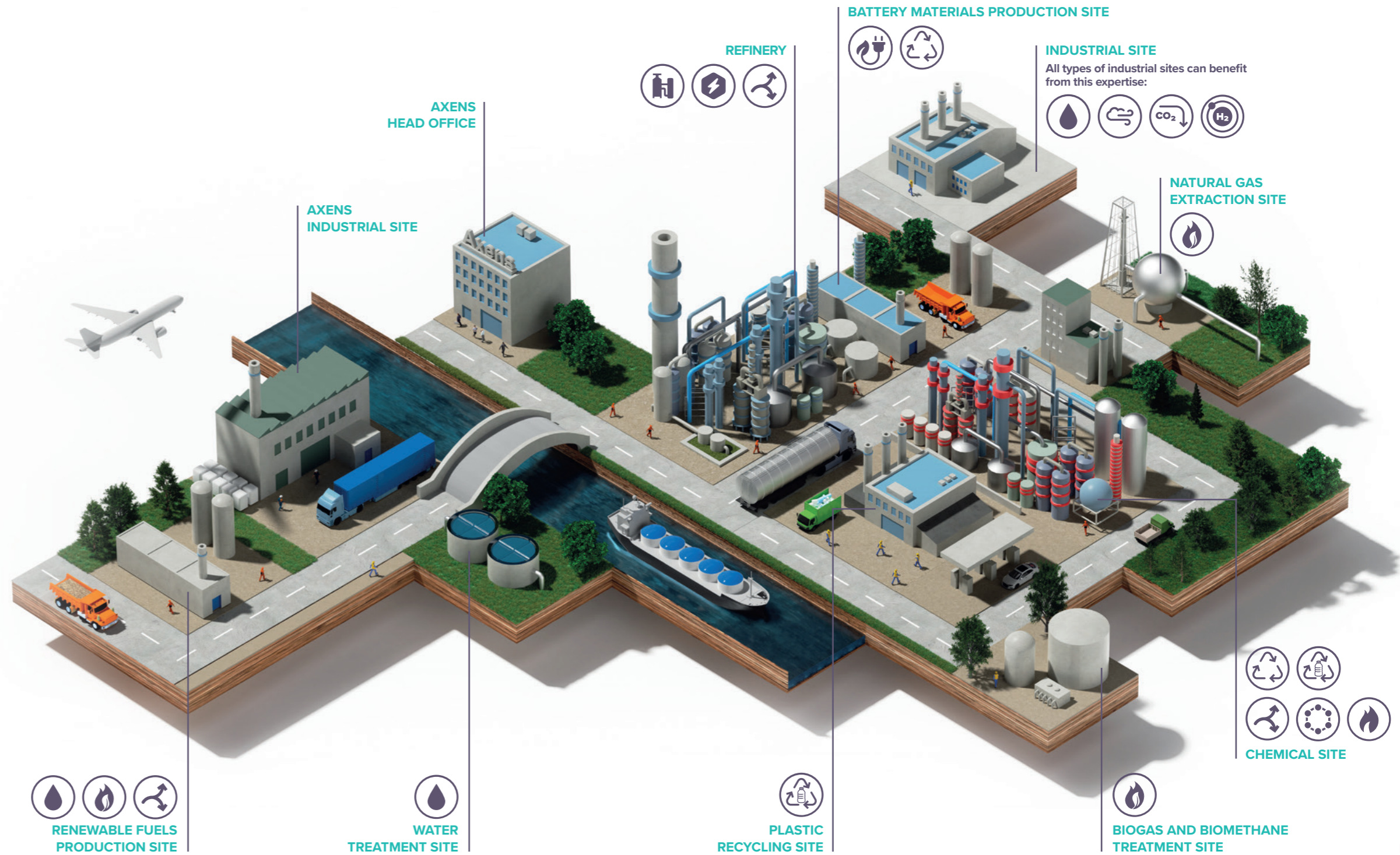
## Protecting Environment

- Air Treatment
- Water Treatment

Elimination of pollutants found in industrial air emissions and air purification

Treatment of industrial wastewater (purification and decontamination) for recycling and reuse

\*Sustainable Aviation Fuel \*\*Electric Vehicle



# INNOVATION

## ROOTED IN RESPONSIBILITY

We are proof that innovation can be driven by responsibility. We create technologies that address critical environmental challenges. The energy transition is a journey; wherever our clients stand, our partnership spirit helps to deliver solutions and expertise to move forward. Through low carbon technologies, circular economy solutions, and carbon management, we deliver concrete innovations that define industry progress.

Real impact requires both vision and execution.

Research & Innovation drive our success. Backed by IFPEN\* and strategic partnerships, our R&I builds advanced technologies to achieve three key objectives: advancing Oil & Gas and Petrochemicals, supporting the energy transition, and tackling resource scarcity. Axens offers inventive solutions across cleaner mobility, chemical intermediates production, and gas and effluent treatment, helping industries adopt transformative technologies. Through strong collaboration with clients, communities, and global partners, we accelerate progress toward a more sustainable future.



\*IFP Energies nouvelles

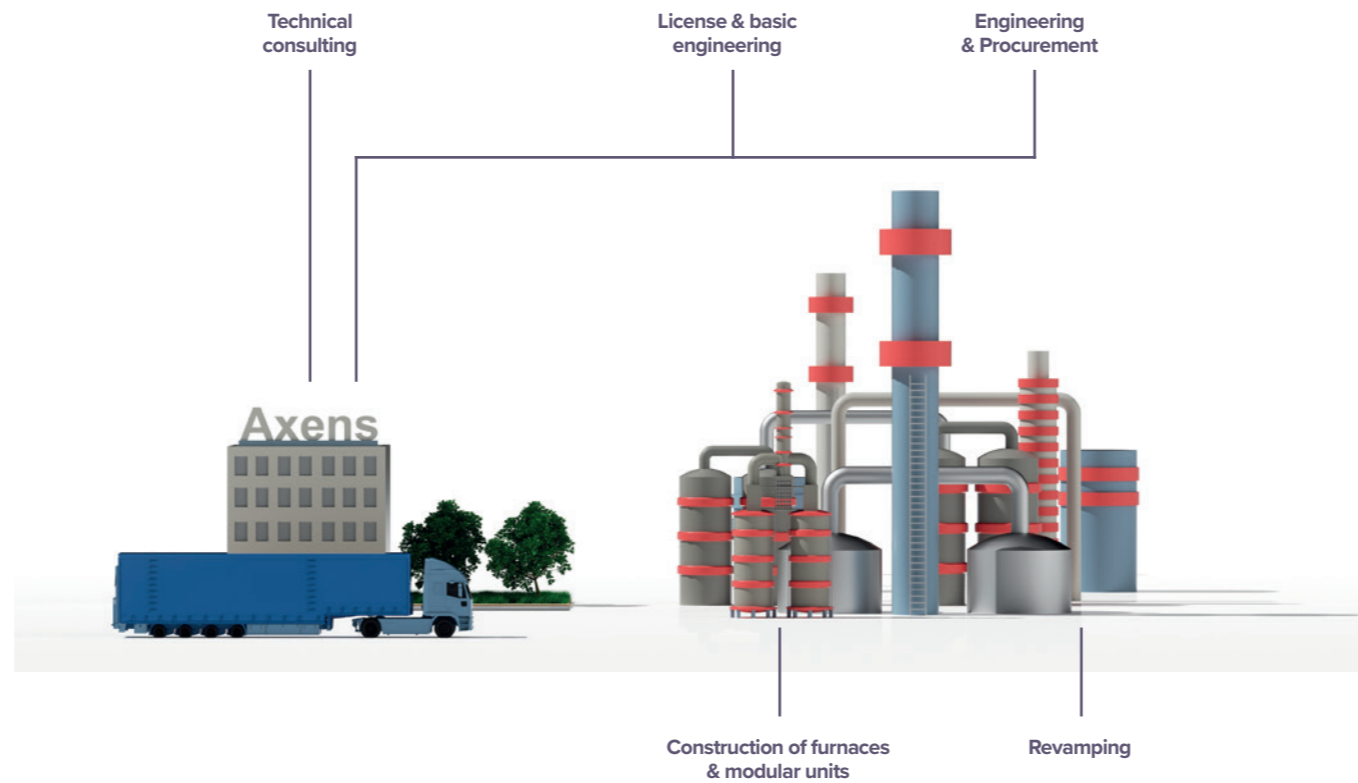
# COMMITMENT

## AT EVERY STEP

Axens delivers process innovations, resource optimizations, and industry-shaping technologies that reduce environmental impact without compromising performance.

From feedstock to final product, our expertise helps industries operate more responsibly while meeting evolving market and regulatory expectations.

### From Design to Construction



Over **100** technologies in our portfolio

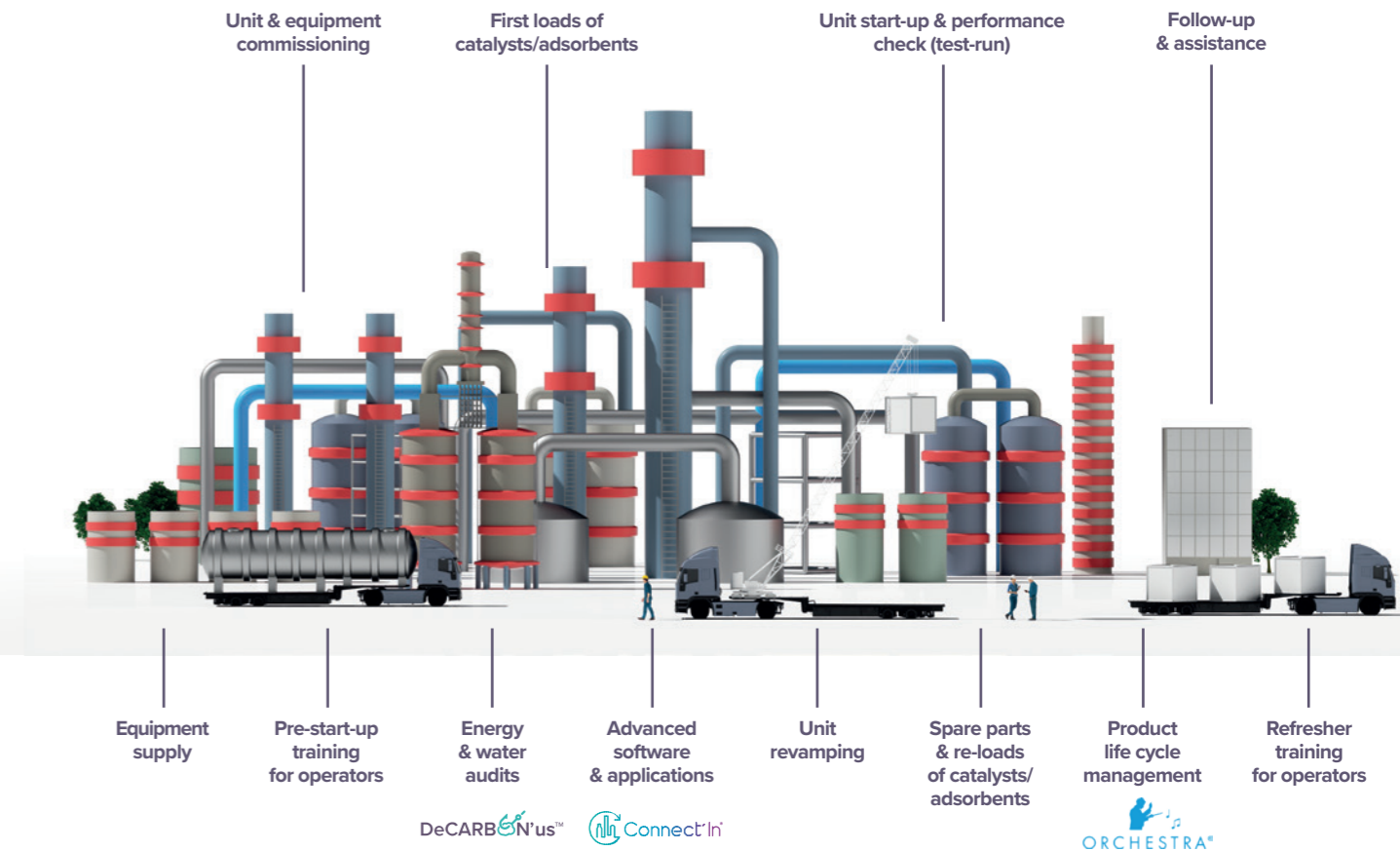
More than **3,000** industrial units under license

More than **500** modular units references

More than **75,000** tons of catalysts and adsorbents sold each year

More than **3,500** heaters sold

### Plant Start-Up and Operations Support Throughout the Lifetime of the Plant



# THE FOUNDATION OF MEANINGFUL ACTION

Our CSR\* pillars—Ensuring safety & protection the health of our teams; Contributing to a low carbon society & environmental protection; Fostering the engagement of our teams—guide every aspect of our operations. Aligned with key Sustainable Development Goals (SDGs), they guide how we approach carbon reduction, resource efficiency, ethical business practices, and social responsibility and ensure accountability at every level.

\*Corporate and Social Responsibility



## OUR CSR PILLARS

1

### Ensuring Safety Onsite & Protecting the Health of Our Teams

We focus on workplace safety, securing sites, and prioritizing the well-being of employees and stakeholders. Security, including cybersecurity, is embedded into our operations to protect people, technologies, and critical infrastructure in an increasingly digital world.

2

### Contributing to a Low Carbon Society & Environmental Protection

We are reducing emissions, optimizing water and energy use, and expanding circular economy solutions to accelerate industrial decarbonization. Our commitment to responsible resource management ensures long-term environmental and economic benefits.

3

### Fostering the Engagement of Our Teams

We continue to build a diverse workforce, foster open dialogue, and equip teams with the skills to lead responsibly. Ethical business conduct, transparency, and compliance guide our actions, reinforcing trust with employees, clients, and partners worldwide.

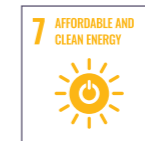
## SAFETY



Achieve zero serious or fatal occupational injuries or illnesses on a lasting basis

## ENVIRONMENT

### Low Carbon Society



Use at least 30% low carbon energy (renewable and nuclear) at the Group's industrial sites by 2030



From 2024, homologation and market launch of at least 5 low carbon technologies by 2030



Reduce by 30% from 2019 levels the Group's absolute Scope 1+2 emissions by 2030

### Environmental Protection



Reduce water use by 20% from 2019 levels at the industrial sites operated by Axens by 2030



Reduce by 40% from 2019 levels the quantity of non-recycled waste produced at industrial sites operated by Axens by 2030

## PEOPLE



Reach 40% of Executive Committee seats and 30% of seats on the Leadership Team occupied by women by March 1, 2029

# FORGING PROGRESS TOGETHER

Axens thrives on the dedication, passion, and expertise of its people. Their skills and mindset shape the solutions that take industries further.



I have built a bold and evolving career with geographical and functional mobility. As Global Market Manager, I stepped out of my comfort zone to explore new subjects and discover hidden strengths. Later, as Managing Director abroad, I navigated major changes. Today, as CEO of HTI, I inspire my teams with vision and pragmatism.”

**Marie-Clotilde,**  
Chief Executive Officer, HTI, Princeton,  
United States of America



At Axens, multigenerational collaboration enhances performance through shared experiences and diversity. With a 28-year age gap, I rely on my senior colleague’s experience for delegation, while he counts on my expertise in project management and new tools.”

**Baptiste and Philippe,**  
Engineering Team Manager and Project Leader,  
Salindres (Manufacturing site), France



One day in Paris, the next in Argentina inspecting trays with clients and Spanish colleagues, and a week later in China, working on another unit. Making a difference, solving challenges, and building global connections is truly fulfilling.”

**Nidal,**  
Senior Chief Start-Up Adviser,  
Rueil-Malmaison, France

## Global Talent, Shared Purpose

With operations in key markets worldwide, Axens’ diverse perspectives strengthen its ability to solve complex challenges. Local expertise meets global collaboration, ensuring strategies are innovative and adaptable to regional needs.

## DISCOVER AXENS



[axens.net](https://axens.net)



[www.linkedin.com/company/axens/](https://www.linkedin.com/company/axens/)



[Axens Group](#)

### CSR Commitments

Learn more about our CSR strategy and initiatives.



### Contact Us

For inquiries or more information, please reach out through our contact page. We look forward to connecting with you and sharing our journey toward a more sustainable future.

Acknowledgments: This corporate brochure was prepared by the Axens Communications Division, which would like to thank all Axens’ employees, teams and divisions for their help in its production. Special thanks to the project team for having steered this corporate brochure to completion.

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