



PROCESS SOLUTIONS SINCE 1925



escher

PART OF IV



escher
THE HAGUE

2500

escher

PART OF IV

Escher Process Modules

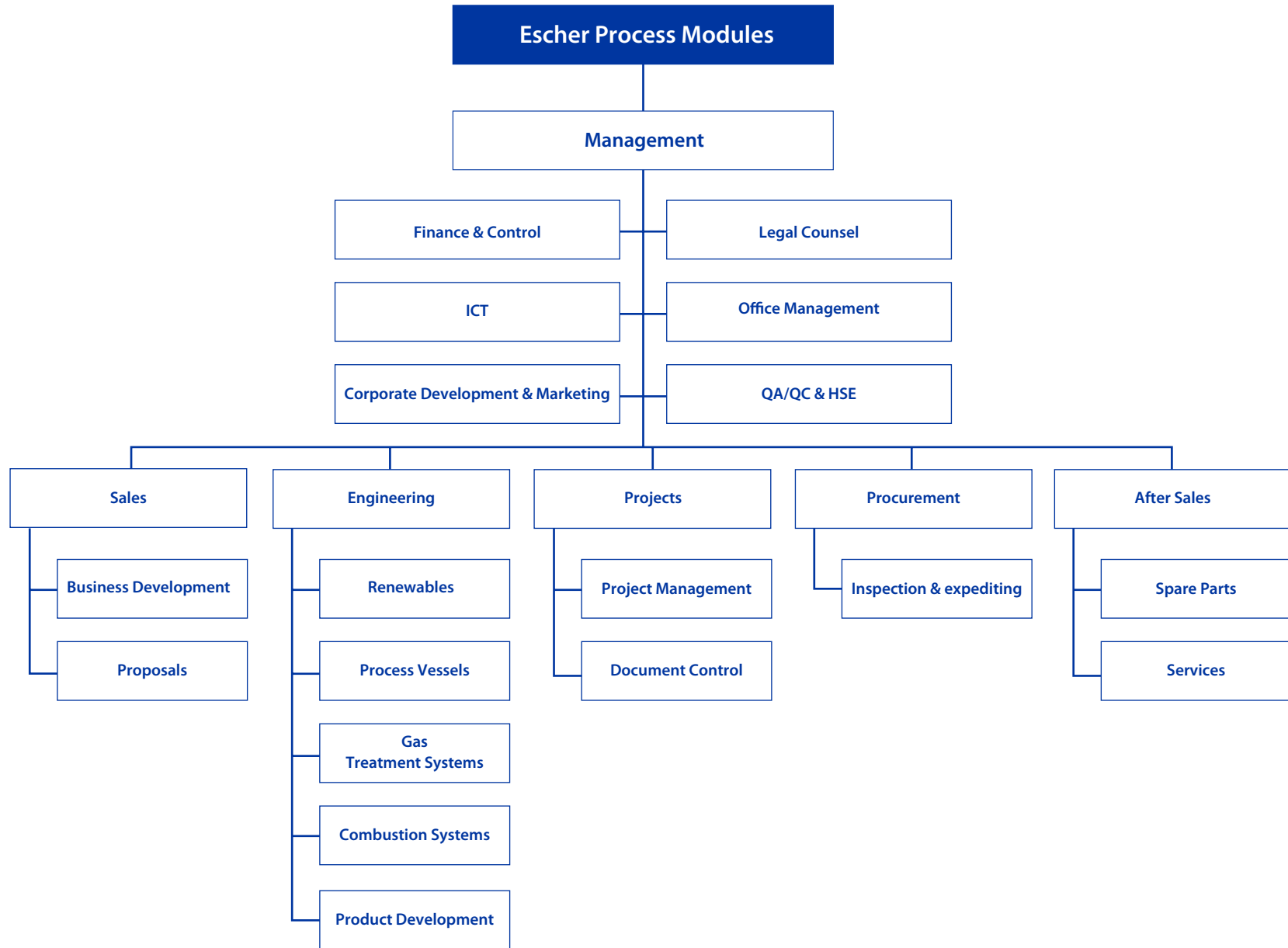
Escher Process Modules is a leading global Process Technology House and provider of process solutions since 1925. Being part of Iy, a worldwide operating engineering company listed in the top 10 of Dutch engineering companies.

Escher has all disciplines in-house for complete project execution. Our strength is our genuine passion for technology which results in unique and specialist know-how of the markets in which we operate, and enables us to be constantly at the forefront of advanced process solutions. We design and engineer process vessels in accordance with industry design codes to meet the quality and efficiency requirements of our customers. Our product range includes:

- ▶ Renewable systems (such as Ammonia Cracking, Hydrogen Treatment, and Carbon Capture)
- ▶ Process Vessels (such as Separators and PX Crystallizers)
- ▶ Gas Treatment Systems (such as CO₂ and Gas Dehydration, and Fuel Gas Treatment)
- ▶ Combustion Systems (such as Flare and Vent systems)

Our engineers are technicians of the highest level who think outside the box and translate even the most complex issues into solutions that meet the strictest criteria of product integrity and safety. In each project we strive to exceed the expectations of our clients where possible. Escher is recognised for its adherence to SHE and QMS systems (ISO 9001 & ISO 14001), highlighting our reliability, capability and commitment to social responsibility.







Commitment to Customers

Customer satisfaction is the core of everything we do. We believe that by working closely with our customers, we can gain better understanding of the challenges they face, which is the first step towards building long-term, successful relationships.

▶ **Product guarantee**

We provide product warranties and after-sales service to give our customers the comfort they need. Escher's product guarantee includes both process and mechanical guarantees, as well as a guaranteed availability of spare part solutions throughout the product's lifetime.

▶ **On time delivery**

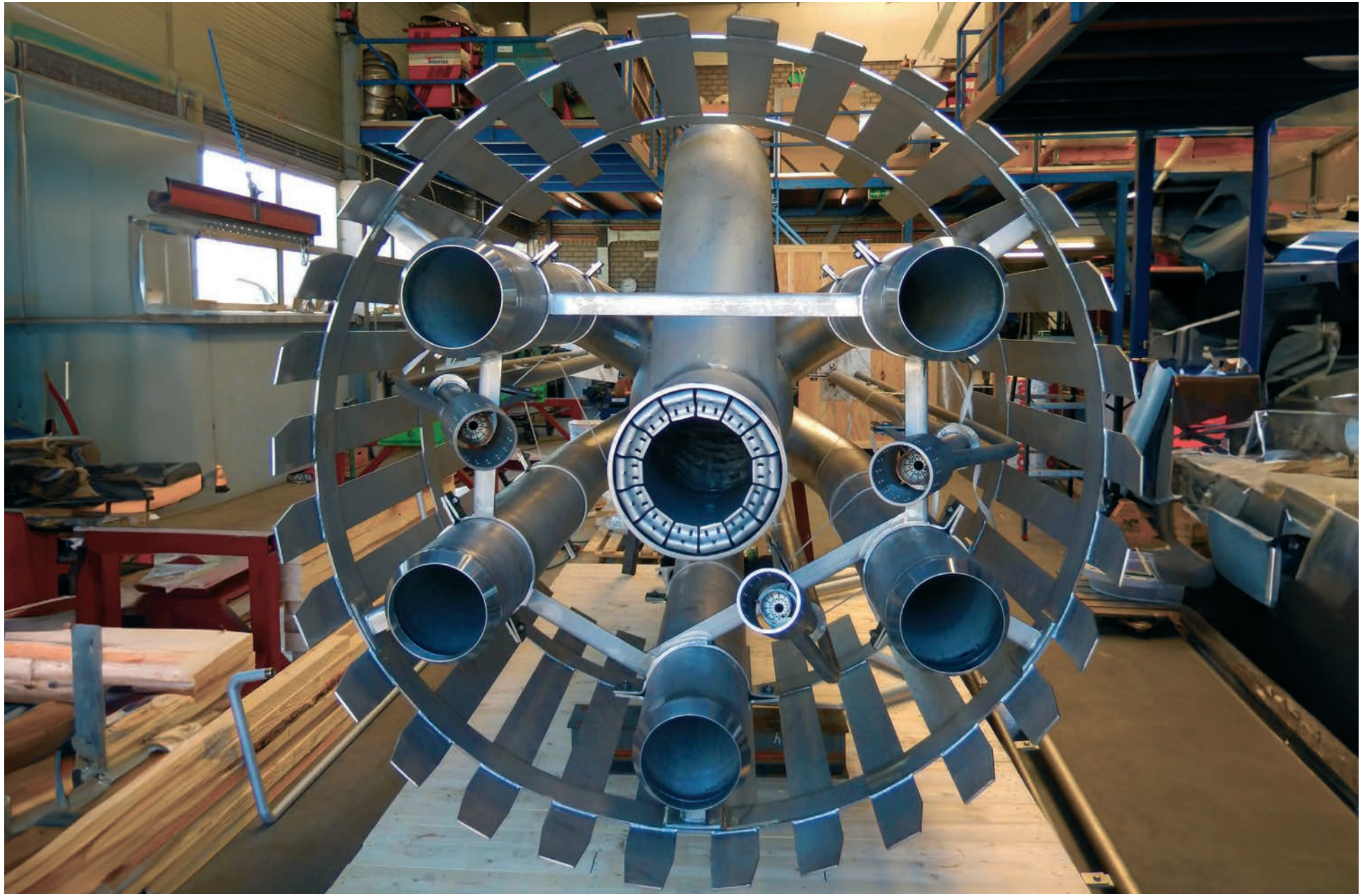
We work with a select group of trusted manufacturers, enhancing our flexibility and efficiency to deliver quality products on time and within budget.

▶ **Safe, high quality engineered solutions**

Our stringent quality and safety standards are implemented in our design processes and our manufacturers' business operations to ensure consistent, high-quality and safe products.

▶ **Optimum operability**

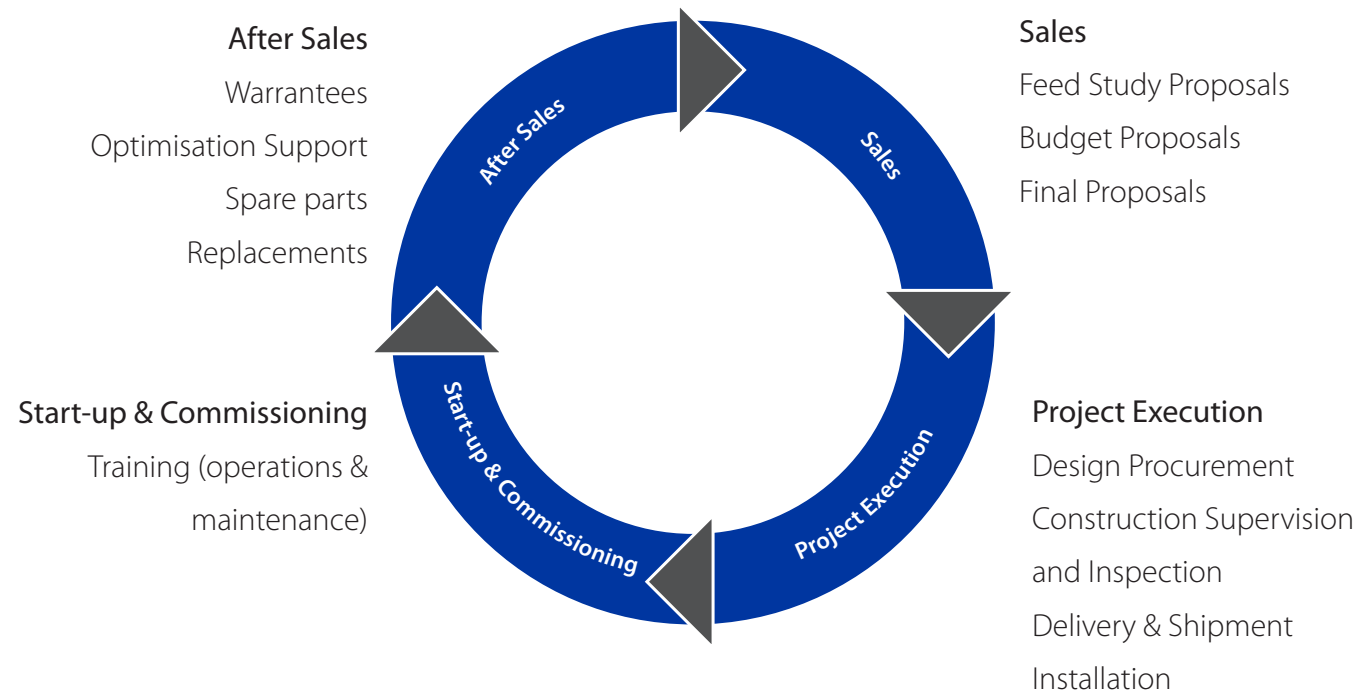
We offer product warranties and after sales service to give our customers the comfort they need. Escher's product guarantee consists of process and mechanical guarantee, as well as a guaranteed availability of spare part solution during the lifetime of the product.



Our Approach

To meet the needs of our customers, we offer tailor-made process solutions and provide support from design to implementation to after sales service.

Services offered for the entire Life Cycle:





Our Products & Services

We engineer and supply custom-designed process equipment systems for both onshore and offshore installations. Our product categories include:

- ▶ Renewable Systems
- ▶ Gas Treatment Systems
- ▶ Combustion Systems
- ▶ Process Vessels

All process solutions come with process and mechanical guarantee and are supported throughout their lifetime through our After Sales Department.



Gas Treatment Systems

We can provide both skid assembled systems or systems that consist of several modules.

Our range of solutions consists of the following products:

- ▶ Natural Gas, Hydrogen & CO₂ Dehydration
- ▶ Hydro Carbon Dew Pointing
- ▶ Fuel Gas Conditioning



Process Vessels

We engineer and design Process Vessels accordance with industry design codes to meet our customer's quality and efficiency requirements. Our product range includes:

- ▶ Gravity Separators
- ▶ Rotating Disc Contactors
- ▶ Crystallizers



Renewable Systems

Providing feasible solutions to the greatest challenges of our time, Escher uses nearly a century of expertise to contribute to the energy transition. We offer decentralized hydrogen production as well as hydrogen purification, enabling it to serve as a fuel to replace fossil fuels while integrating high safety standards into our designs. In addition to reducing CO₂ emissions, we also explore temporary solutions for capturing and storing it.

- ▶ **Hydrogen Purification**

 - Oxygen Removal and Dehydration

- ▶ **Hydrogen Safety Systems**

 - Vent Systems and Flare Systems

- ▶ **Carbon Capture and Storage**

 - CO₂ Absorbtion and CO₂ Dehydration



Combustion Systems

Our range of Combustion Systems is the result of more than six decades of experience and innovations. The products have been tested and approved by global operating companies. All our systems are designed case by case in order to fulfill client requirements (technical and environmental) to provide the best suitable solution. Our range of Combustion Systems consists of:

- ▶ Elevated Flare Systems
- ▶ Non-Elevated Flare Systems
- ▶ Flare tips
- ▶ Ignition systems
- ▶ Incinerators



Health, Safety & Environment (HSE) and Quality

Safety is a top priority for Escher to fulfill our mission of providing the global oil and gas industry with safe, reliable, and sustainable process solutions within the required timeframe. Escher's policy on Health, Safety, and Environment (HSE) focuses on minimizing risks as well as improving the circumstances and environment of the persons involved during design, fabrication, installation, and operation of our products. Additionally, Escher guarantees the quality our customers expect through our fully integrated Quality Assurance (QA) program that enhances every aspect of our operations. Escher's personnel have an awareness of both quality and HSE, which is a key success factor in achieving the above mission.

- ▶ SCC** / VCA** Certified
- ▶ ISO 9001:2008 Certified
- ▶ ISO 14001:2015 Certified



Product Development

In order to provide better value to our customers, we invest in the development of new products and product innovations that will not only help our customers become more competitive but also environmentally friendly.

Our product department uses up-to-date simulation and modelling tools, computational fluid dynamics (CFD) for example, to optimise the design of our process equipment and to minimise costs and environmental impact. We use CFD modelling often as it allows us to analyse our design and improve our ability to solve problems.

We use test facilities in the Netherlands and other European countries to test and further optimise our R&D equipment. The equipment is then certified by independent institutions to ensure that they meet local and international regulations.

We will continue to invest in product innovations as we believe that it benefits both our customers and society for generations to come.



Operational Support

Escher provides life cycle support and around-the-clock assistance, ensuring the quick delivery of essential spare parts to minimise potential downtime. We cover everything from spare parts to support during commissioning, start-up, and normal operations. Upon request, Escher can facilitate Warehouse Services, keeping dedicated critical spares in stock, ready for your immediate needs. Our other services include inspections, maintenance support, and lifetime extension programmes for optimal performance.

For any queries or urgent needs, reach us at aftersales@escher.nl or **+31 88 943 3600**.

Would you like to know more about the possibilities?

Our specialists will be pleased to share ideas and thoughts.

E-mail Maarten Brandenburg and/or Martijn In der Maur:

sales@escher.nl or call **+31 88 943 3600**.



Contact

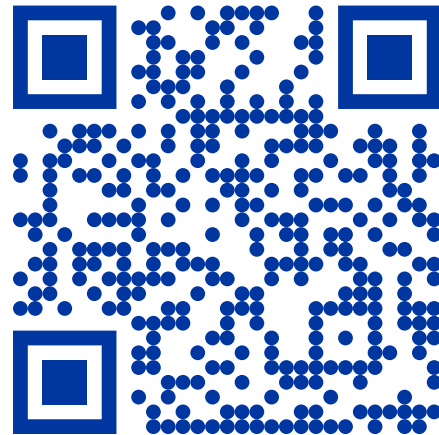
Escher Process Modules

Noordhoek 37 +31 88 943 3600

3351 LD Papendrecht sales@escher.nl

The Netherlands

Do you prefer a digital version of this brochure? Download it from our website.





PART OF IV

www.escher.nl