



SEALING SOLUTIONS HYDROGEN

Designer of industrial sealing solutions



SEALING IS EVERYONE'S BUSINESS AT EVERY LEVEL!

GROUPE LATTY employs 300 people on 14 sites, and owes its position as industrial sealing leader to the high performance of its products and services.

For over a century, GROUPE LATTY has designed, manufactured and been committed to implementing the most effective and innovating sealing solutions for its customers at its production site in France.

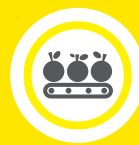


Appropriate responses to industry requirements

GROUPE LATTY constantly invests in solutions that respect staff and equipment safety while optimising the profitability of your facilities.



Energy production



Agrifood



Pharmaceuticals



Oil and gas



Mines and quarries



Water treatment



Paper



Chemical sector



Marine

ENVIRONMENT



Solutions that protect your environment!

Our LATTYlub range helps you take environmentally-friendly steps to reduce your water and energy consumption and extend your equipment service life.

Our range of auxiliary systems simultaneously maintain the mechanical seals under pressure and regulate barrier fluid heat.

Our technical teams can install and maintain the equipment on your sites.

Our LATTYlub range is pre-tested and validated in the factory for safe commissioning.

SERVICES



Service Centres specialising in the reconditioning of your Mechanical Seals

GROUPE LATTY has a network of service, repair and reconditioning centres in France and through its export subsidiaries.

LATTYSeal service is a complete service available to you to provide our know-how and advice in the ongoing search to improve your systems. Our qualified technicians, specially trained in your different production environments, will provide advice, audits and repairs.

- Reconditioning of standard or special seals, housings, stirrers, etc.
- Advice on improving the reliability of seals
- Expertise on your equipment

TRAINING



A well-trained employee is both more competent and more efficient!

Our training courses cover the selection of sealing solutions for your industrial equipment. They focus on the implementation of good assembly practices to guarantee the safety of your personnel and the reliability of your equipment.

Every year, we organise many multilingual training courses, either at our production site or at our customers' sites, covering:

- Fittings
- Rotating machines
- Bolted assemblies

QUALIOPI certified for the category of training actions under no.2021/96874.1

THE CHALLENGES OF SEALING IN THE HYDROGEN INDUSTRY

GROUPE LATTY, the French industrial sealing leader, is actively supporting the energy transition by developing innovating solutions for green and renewable energies, in particular hydrogen. It has a long-standing commitment to creating sustainable alternatives to meet the challenges of decarbonisation in various industrial sectors.

The safe and efficient use of hydrogen entails a major challenge: sealing.

Because of its small size, hydrogen easily seeps through conventional materials, making it difficult to contain and handle safely. Its ability to pass through materials creates complex technological and engineering challenges **requiring innovating solutions to guarantee the safety and efficiency of systems using hydrogen.**

Hydrogen leaks can not only be detrimental to system efficiency by reducing the amount of hydrogen available for processes or end applications, but they also create a **significant explosion risk** when in contact with oxygen.

There are two main categories of hydrogen sealing challenges:

- **Extreme temperature variations** in the creation, processing and transport of hydrogen
- **Chemical or physical interactions** between hydrogen and other materials can lead to undesirable reactions or the deterioration of materials, thereby reducing their efficiency and durability

LATTY IS LAUNCHING A COLLABORATIVE RESEARCH PROGRAMME!

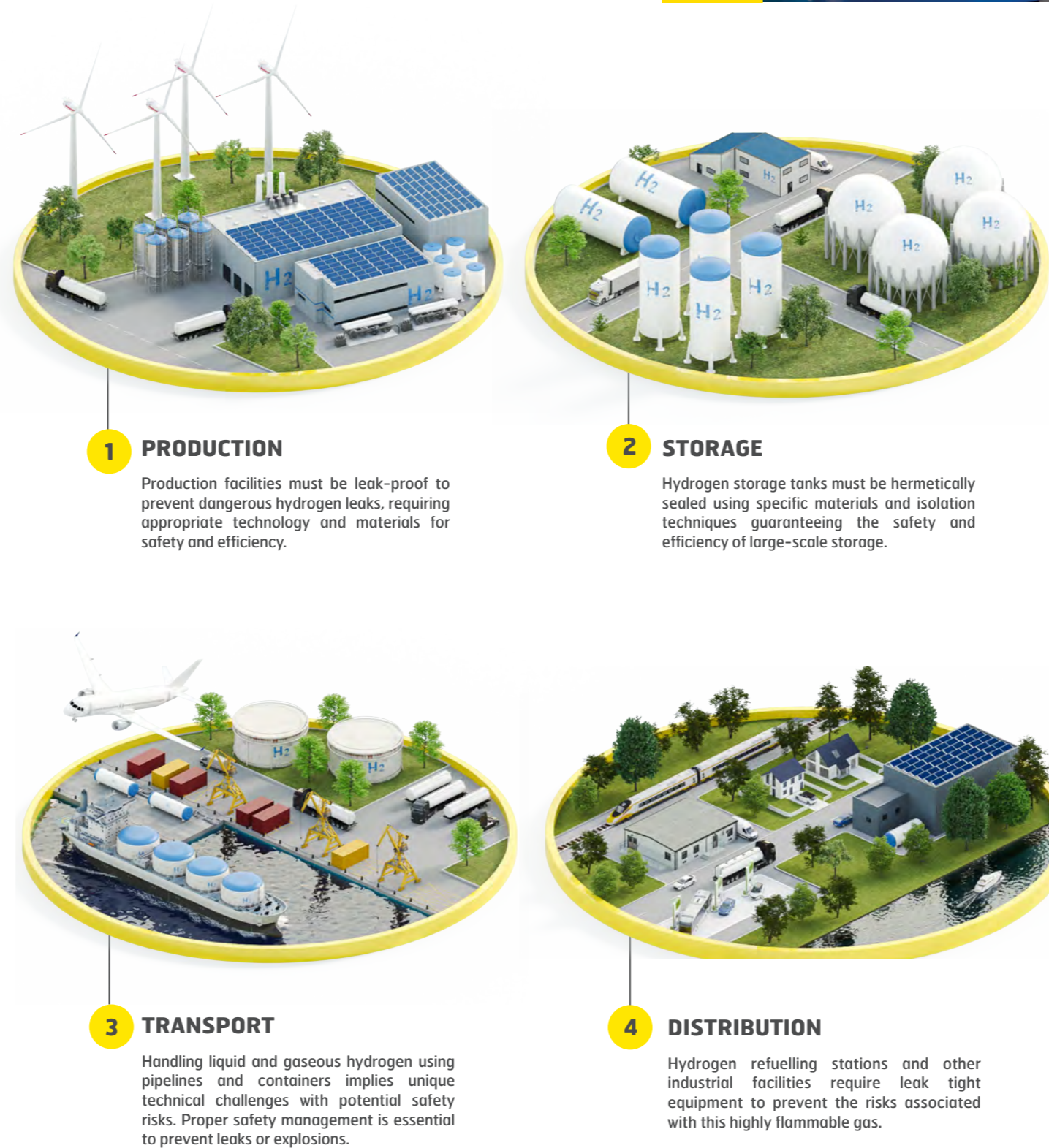
Every year, **GROUPE LATTY** invests 5% of its turnover in research and development, designing innovating, sustainable products that help its customers accelerate their energy transition and decarbonisation efforts.

A sealing market leader, **GROUPE LATTY** is launching a three-year collaborative **research programme on hydrogen sealing solutions** in partnership with IRDL & CETIM. In a world in search of sustainable and innovating solutions, the programme aims to go even further in developing sealing solutions for hydrogen to meet the energy transition challenges.

Our collaboration allows us to explore new avenues and maintain a high level of technical expertise and innovation in our sealing solutions.

IRDL: Institut de Recherche Dupuy de Lôme (Dupuy de Lôme Research Institute)
CETIM: Centre technique des industries mécaniques (mechanical industry technical centre)

THE HYDROGEN CYCLE



LATTY SOLUTIONS HIGH PERFORMANCE

As a leader, **GROUPE LATTY** develops custom sealing solutions for the entire hydrogen value chain.

GROUPE LATTY's solutions provide safe and efficient processing of this gas which is crucial to the energy transition, **guaranteeing optimum safety and efficiency.**

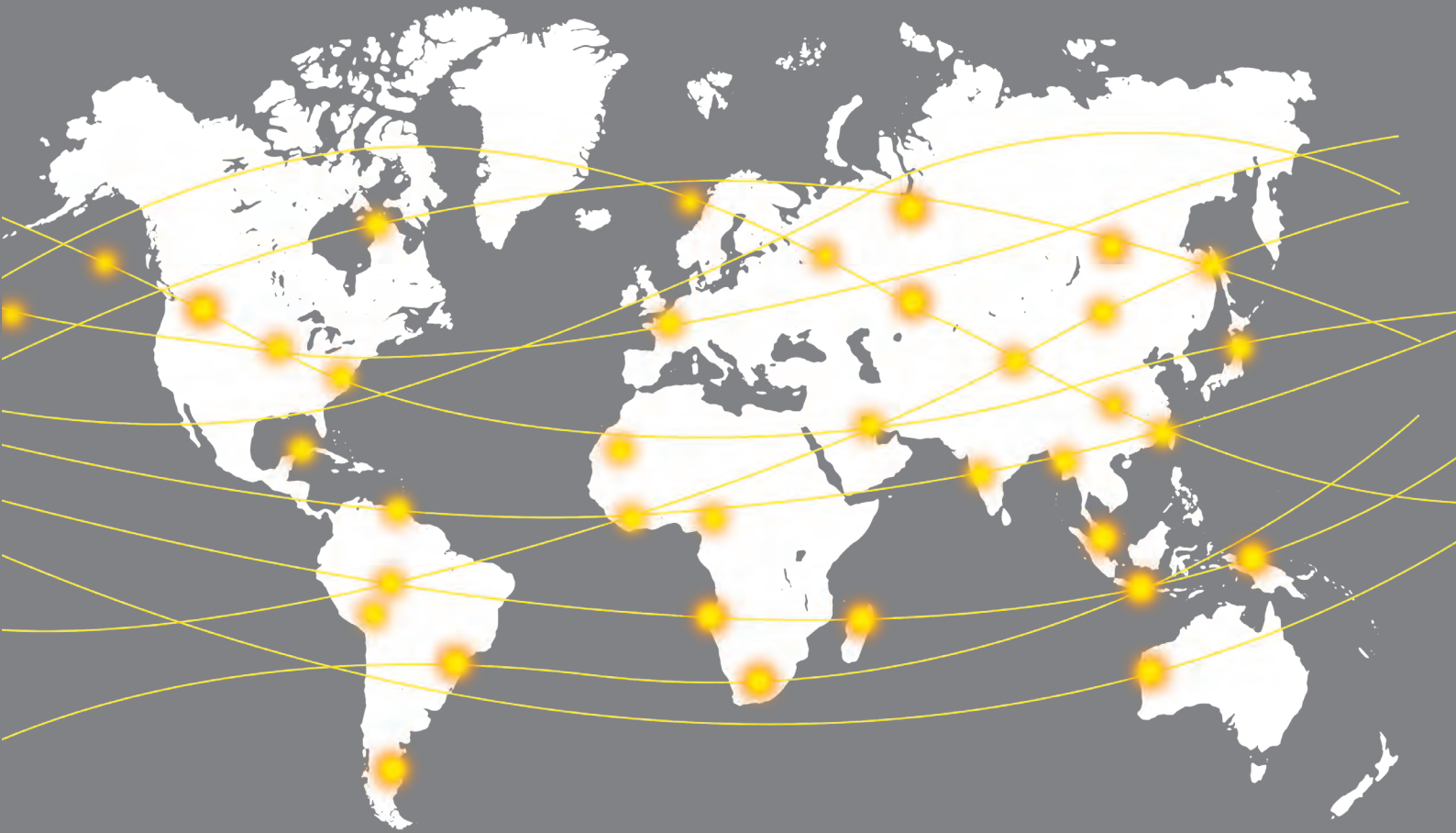
They **increase the durability** of installations (by reducing maintenance cycles) and improve their energy efficiency by limiting polluting emissions and leaks.

Rotating units
CARTseal B 24810 DB
LATTYseal B 17
LATTYmix box
LATTY Pecody

Fitting
LATTYpacking Fugitives Emissions

Static seal
LATTYflon 94 L
LATTYgold 92
LATTYgraf HPML





The GROUPE LATTY's subsidiaries and service centres worldwide are at your disposal to respond to your requests. All of our contact details can be found on our website.

TS / TRESSSES / JOINTS / GARNITURES MECANIKES / RACCORDS TOURNANTS / PACKUNGEN / FLACHDICHTUNGEN / GLEITRINGDICHTUNGEN / DREHDICHTUNGEN / UNICORNS / JOINTINGS / MECHANICAL SEALS / ROTARY JOINTS / ATORNADURAS / JUNTAS / CIERRES MECANICOS / UNICORNS / UNICORNS / RACCORDS TOURNANTS / TRESSSES / FLACHDICHTUNGEN / DREHDICHTUNGEN / DREHDICHTUNGEN / DREHDICHTUNGEN



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