

FAST MOVING TECHNOLOGY

*STÄUBLI*

# Chemical and Petrochemical

Connectors | Advanced connection solutions







FAR-SIGHTED PARTNER

# An international group serving all industrial sectors



**Stäubli, a leading market company, continually pushes for innovation, addressing current and future needs for advanced connection solutions.**

Developing and delivering high-performance solutions tailored to specific business requirements, as well as understanding and anticipating the trends shaping each branch of industry, is the strategy pursued by Stäubli, as global leader in advanced connection solutions for all applications: fluid, gas and electrical.

Fluid mono-connections, electrical connectors, multi-connection systems for all energy sources, tool changers for robots or Quick Mould Change solutions, each Stäubli assembly is engineered and built from parts of consistently matched quality and design. Our solutions improve the reliability, efficiency, performance and usability of equipment, thereby raising the productivity and guaranteeing operator safety.

**Expert solutions**

As a long-standing partner of the chemical industry, we develop connection solutions to meet this sector's stringent requirements in terms of safety, prevention of contamination risks and productivity.

Our added value lies in our ability to take account of the needs of each of our customers supporting them through the process.



**50**  
countries



**5,000**  
employees worldwide



**12**  
production sites



## OUR APPLICATIONS

# Quick-connection: a key link in the chemical industry

### Utilities / Technical area

- Safe quick-release couplings for utility gases and fluids
- Quick-release couplings for equipment pressure testing prior to production
  - High-quality compressed air supply to workstations, machines and tools



### Analysis / Quality control laboratories

- Safe, identifiable quick-release couplings for gas and liquid supply systems for laboratory benches and equipments



### Process / Manufacture

- Non-spill quick-release couplings for transferring liquids
  - Safe quick-release coupling solutions for inerting lines, tanks and drums
- Quick-release couplings for product sampling and quality control
  - Connection solutions for compressed air networks: pipework, connections with anti-hose whip safety system
- Complete connection solutions and filter units\* to supply PPE\*\* with breathing air in hazardous areas

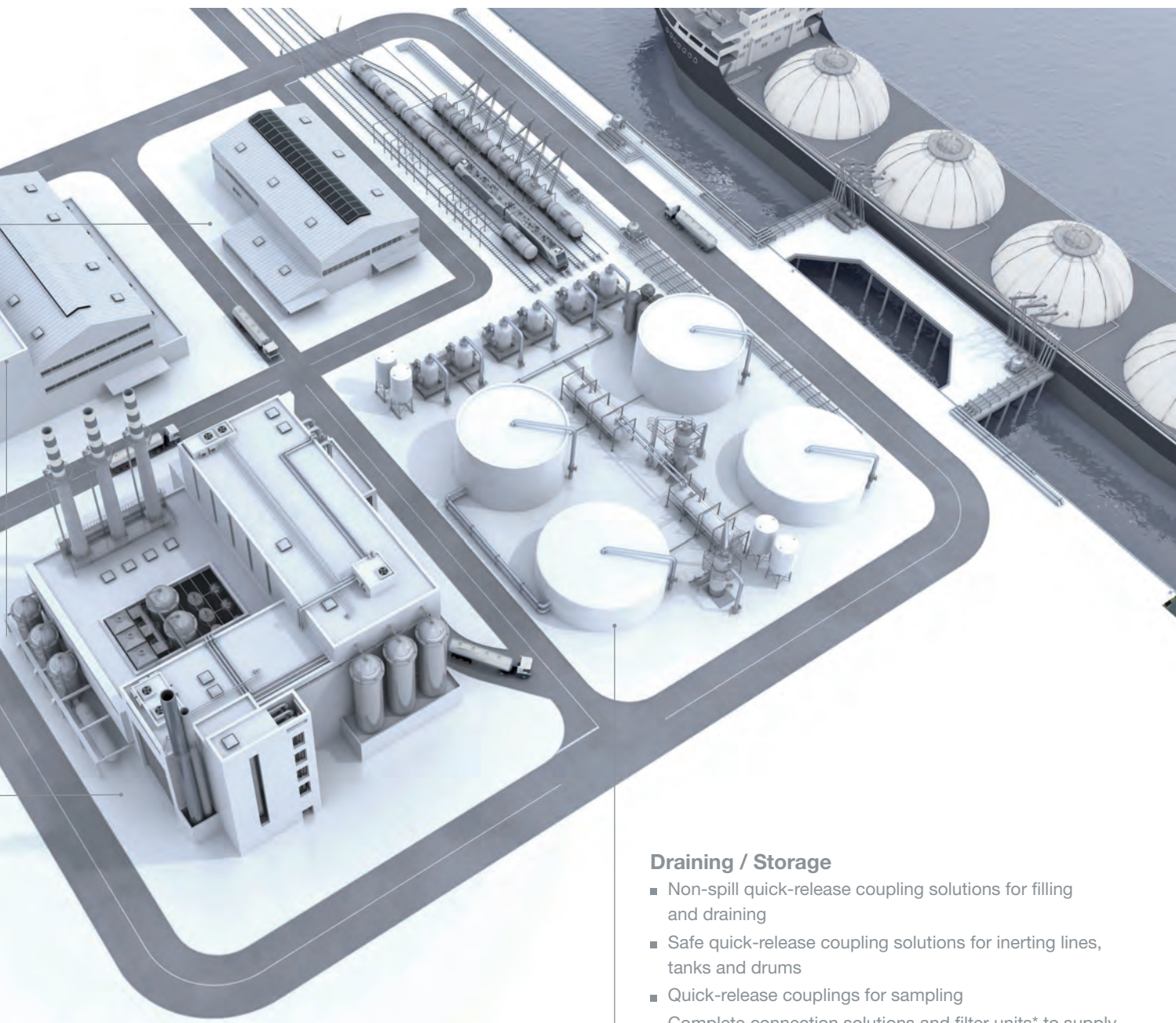


- Fluids
- Gas
- Breathing air
- Compressed air

\* Warning: this unit cannot be used for filtering Co and CO<sub>2</sub>

\*\* PPE = Personal Protective Equipment





**Draining / Storage**

- Non-spill quick-release coupling solutions for filling and draining
- Safe quick-release coupling solutions for inerting lines, tanks and drums
- Quick-release couplings for sampling
- Complete connection solutions and filter units\* to supply PPE\*\* with breathing air in confined areas







**NO SMOKING**

**+**  
**GASOLINE**

**12K**

# Our customers can count on our knowledge of their challenges



## Prevention

Prevention is our priority when dealing with the high risks of environmental pollution and explosions.

To prevent products contaminating operators or the environment:

- We have significant resources for testing and qualifying.
- We implement strict quality control and safety checks.

Our aim is a perfect tightness to ensure operator safety, protection of the environment and the integrity of your installations.

The reliability and durability of our solutions are recognised as providing the optimum degree of safety for operators, who can then work confidently and efficiently, with peace of mind.

## Ensuring high efficiency

Because processes in the chemical industry involve maintenance operations and frequent process changes, our quick-release coupling solutions are extremely flexible.

Making circuit connection and disconnection easier, providing increased productivity and maximum safety designed to provide optimum tightness and prevent any risk of contamination.

With our wide range of standard solutions in stock, our customers can obtain products quickly to ensure the continuity of production reducing the amount of time spent on maintenance.

## Improving the quality of working life

Reduction of occupational health risks and ergonomics are major topics. We concentrate our development on lightweight, compact products assisting work in a difficult environment with limited space availability.

More than  
**2,500**  
user sites

More than  
**10**  
certifications



## INNOVATION AND EXCELLENCE

# Concrete actions to improve your competitiveness



**Knowing how to constantly combine technical performance, human responsiveness and availability, product integrity and safety is your daily reality. We share the same degree of demands in our teams and solutions, enabling us to provide the best possible support and achieve excellence and efficiency.**

### **Relevance**

Using a personalised analysis of your needs and by being involved from the earliest stage in the development of your specifications, our experts can address the specific requirements of each operating process. Based on our range of standard products, they design custom solutions to exactly meet your specific needs.

In addition, our R&D, Applications and Marketing experts have a great deal of hands-on experience in-field. They have detailed discussions with users putting themselves « in their shoes », in order to understand their position and restrictions so that they can address their specific daily needs. Making use of their experience as part of the process of continuous improvement.

### **Availability**

There is no intermediary, and no loss of time or information, as you are in direct contact with our various departments: sales, R&D, marketing or after-sales service.

This personal relationship means that we understand each other better, capitalising on our shared expertise to provide custom solutions for your issues in the best possible timescales.

Our international presence strengthens this « reactive and proactive » relationship. It is synonymous with local service and the ability to take into account individual requirements.

### **Quality**

Your industrial sector has stringent quality requirements, with numerous rigorous checks to avoid risks of contamination. We have the same stringent quality requirements for every quick-release coupling solution we design. To achieve this level of excellence, our solutions all undergo quality control and certification, demonstrating our commitment to this continuous process.





**Innovation**

Innovation is a driving force for growth and has always been part of our DNA. Every day, we develop new cutting-edge standard and individualised connection solutions which meet your needs and the specific requirements of your industrial sector ever more closely.

**Adaptability to regulatory requirements**

Our R&D and Quality experts can incorporate your requirements right from the design stage, to deal with the constantly changing compliance and certification rules. They make use of scalable solutions that maintain what has been achieved so far, while adapting to new requirements.

**Support, training and after-sales service**

Whether it is for system installation, user training or after-sales service, our dedicated teams are at your disposal working with you to meet your needs. The availability of our teams means that we can provide you with a fast, personalised response.











## OUR TECHNICAL STRENGTHS

# Unique expertise offering complete solutions for the chemical industry

### The advantages of our solutions

The stringent requirements in the chemical and petrochemical sectors demand that fluid and electrical circuit connections are totally secure.

By choosing Stäubli, you benefit from solutions that address the specific requirements of your environment.

### High-quality connections:

- Optimum flow, no risk of connection errors, tightness and safety guaranteed on all the circuits in the environment: gas (neutral, inerting, nitrogen, oxygen, hydrogen, argon, steam, etc.), liquid (solvents, acid, fuels, etc.), and high conductivity of electrical contacts.
- Protection of installations, production environments and operators resulting from the use of non-spill connections.
- Easy-to-clean couplings.

### Robust connections:

- Made of steel, stainless steel or specific material for integration in any type of environment, including corrosive atmospheres.
- Robust locking systems (bayonet, screw, etc.) and longer connector service life.

### Endless possibilities:

- Wide range of flow diameters.
- Numerous types of seal (FFKM, PTFE, etc.) and fitting types (male, female, tube, etc.).
- Numerous options (visual identification, locking systems, etc.).
- Complete solutions on request (connection units, automatic hose reels, filter units, etc.).
- Personalised multi-energy solutions (gas, fluids, electric, optical fibre, etc.) also available on request.



■ Stäubli Units    ○ Agents

# Global presence of the Stäubli Group

[www.staubli.com](http://www.staubli.com)