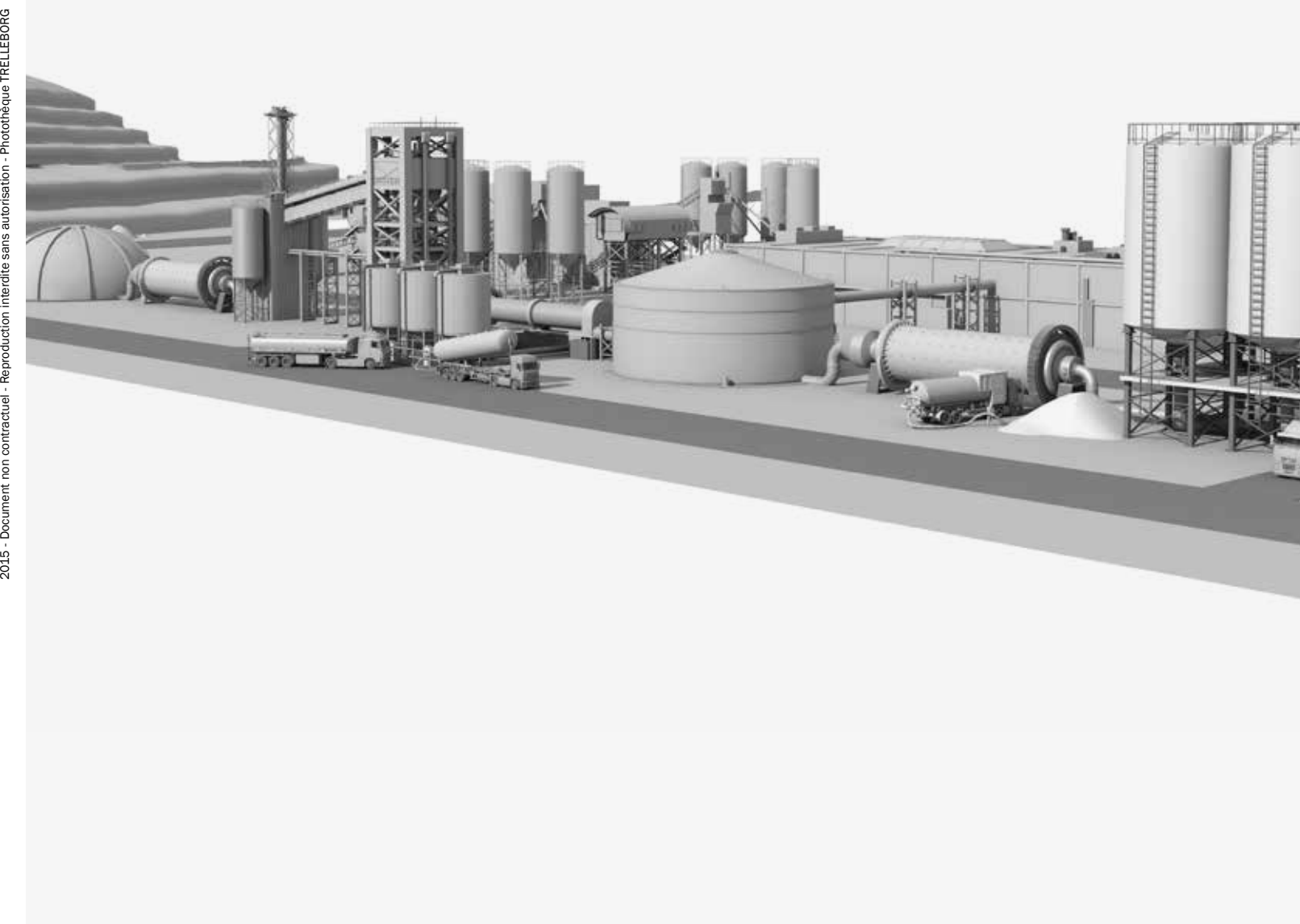




# Our solutions for cement industry



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Discover **our video**  
on our **web site**

[www.trelleborg.com/en/Industrial-Hose](http://www.trelleborg.com/en/Industrial-Hose)

**Our solutions for cement industry**  
Hoses and hose assemblies - Expansion joints - Sheetings  
[www.trelleborg.com/industrialhose](http://www.trelleborg.com/industrialhose)

WWW.TRELLEBORG.COM

TRELLEBORG FLUID HANDLING SOLUTIONS

## Trelleborg Fluid Handling Solutions

**Trelleborg Fluid Handling Solutions is part of Trelleborg Industrial Solutions.**

With over 1000 employees and head office located in Clermont-Ferrand (France), Trelleborg Fluid Handling Solutions is a key leading player proposing high performance and optimal solutions for every situation with low and medium pressure Industrial Hose, Oil and Marine Hoses, Rubber Sheeting & Matting and Expansion Joint based on advanced polymer technology with production sites in France, Spain, Sweden and Brazil.

Trelleborg Fluid Handling Solutions offers a very large range of competitive products, solutions and services that meet your needs and requirements for all types of application for your different businesses.



### ► Your Partner for Fluid Handling

Trelleborg Fluid Handling Solutions is organized around 9 applications areas:

- Oil and Gas
- Construction and Mining Equipment
- Energy
- Chemical, Pharma and Food
- Agriculture and Farms
- Environment and Cleaning Waste Water
- Processing Equipment and Machine Tools
- Industrial Transportation
- Life Science

This enables better reactivity to adapt our offer to fast moving application or to design special solutions tailor-made for you. In all cases we follow closely legal requirements or standard evolutions.

### ► Our logistics platform: availability, reactivity and reliability

Over 5000 different items are stored in our 3 logistic platforms in Clermont-Ferrand (France), Trelleborg (Sweden) and Izarra (Spain) to meet your need for immediate and reliable delivery.

### ► Our research and development centers through continuous innovations

Located in France and Brazil for Oil & Marine Hose, France and Sweden for Industrial Hose and Spain for Rubber Sheeting/ Matting and Expansion Joint, our R&D centers provide innovating solutions for compound, finished products and customized solutions.

All production sites are well equipped with laboratory, test bench and calculation centers to provide ready-to-use solutions based on our experience of the applications and competences.

### ► Our couplings technical centers

With location all over Europe (Germany, Norway, Sweden and France), Brazil and China we offer a large range of rubber hose assembly, composite hose, Stainless Steel or PTFE hose with dedicated service (24 hours to 48 hours delivery) and accessories.

### ► Trelleborg Oil & Marine Hoses

**Trelleborg Oil & Marine is the leading supplier of innovative and field-proven large-bore flexible bonded hoses for crude oil, chemicals, and LPG/LNG offshore transfer applications.**

Trelleborg Oil & Marine provides full service worldwide through global life cycle – engineering studies, delivery of complete solutions (hoses and ancillary equipments), on-site supervision, and recommendations for installation, maintenance and repairs. Trelleborg Oil & Marine is a technology and innovation driven company that makes flexible bonded hoses with unrivalled and undisputed performance.

Our products are designed and built with cutting edge solutions used in tire and aerospace industry, with high resistance to extreme operating environments and severe fatigue conditions. The acquisition of a Brazilian company in 2011 in Sao Paulo enlarged and completed the range of products and technologies.

In Brazil, the business focuses on specially designed oil hoses for floating and submarine applications in order to answer the strongly growing local offshore oil and gas extraction industry.

**Trelleborg Oil & Marine provides a wide range of products specifically designed for demanding applications with long service life and high level of reliability:**

**One team, two world class factories,  
in France and Brazil,  
serving the global Oil & Gas transfer and offloading business**

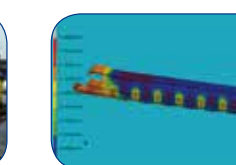
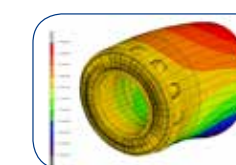


São Paulo, Brazil



Clermont-Ferrand, France

**In order to help you to accelerate the development of your business, our service list also covers**



- | Compounding formulation | Hose configuration modeling | Finite element calculations | Hose design
- | Hose testing (pressure, bending, elongation resistance, ...) | Hose certification (PED, ADR, REACH, ...)
- | Handling and storage instructions
- | Installation instruction and supports | Hose inspection and refurbishment | Hose failure analysis
- | After sales support | Training for sales team | Training for assembly workshop operators

# Our solutions for cement industry

## Rubber Sheeting .....

Trelleborg offers a wide range of wear and impact resistant rubber sheeting :

- High wear rubber sheeting : **ARMURITE, BLACKROCK +,**
- Fine grain size material (cement, etc.): **REDFINE +, REDFINE, YELLOWFINE**
- Special wear sheeting (Dust sealing): **BLACKDUST.**  
And also skirting, scrapers, etc.



## Trellflex, suction and discharge of chemical and petroleum products .....

- Thanks to their flexibility and their large range of chemical resistance, **Trellflex** are the perfect hoses for discharge of chemical products (concrete admixtures, etc.) and hydrocarbons (used oils, etc.). They are available in different versions, depending on nature of transported products.



## Performer, solution for abrasive material handling .....

- Trelleborg has designed the **Performer** hose specially to bring a solution for handling of very abrasive materials. **Performer** has a very long lifespan thanks to the very thick tube and the high quality Natural Rubber compound. Thus, you are sure to chose a liable solution for your industry. .



## Trellvac, evacuation and material handling hoses .....

- Our range of material handling hoses is the largest of the market. Whether you are looking for a lightweight and flexible hose or a hose suitable for fixed installations, we have the solution for your stationary or mobile suction units.



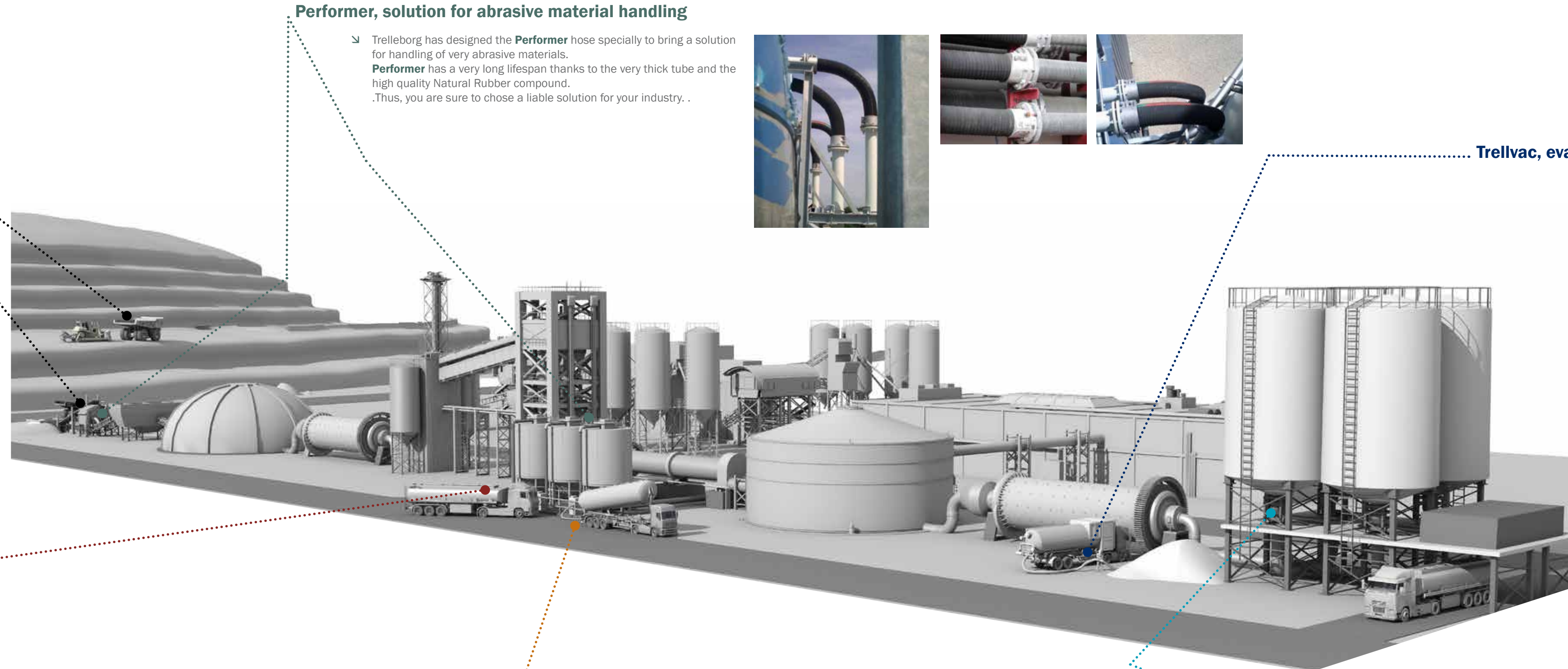
## Supervrac, bulk tank truck discharge .....

- To discharge your tank trucks, the hose **Supervrac** will give you satisfaction thanks to its long lifespan, its flexibility and its light weight.



## Scirocco II, the flexible airlide .....

- **Scirocco II** is the alternative to airlides. Based on a rubber hose, **Scirocco II** is very flexible. Thus you can install it easily, quickly and you save time and money.
- **Scirocco II** works according to fluidization principle. It has a very low air consumption but a very high flow capacity: a 10" **Scirocco II** conveys more than 300 tons of cement per hour.



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