

thenex and CHRISTOF Group

The evolution of the Fertilizer market has been changing the structure of the product value chain which is now involving and heavily dependent upon several new factors such as efficiency constraints, production targets, operational flexibility, volatile operating costs and increasing environmental concern.

As global leader manufacturer, Christof Group is very well aware of this scenario and has translated these market characteristics into a value proposition offering all the experience gained in decades of manufacturing, installation and service.



ABOUT CHRISTOF GROUP

Christof Group is world-renowned for high-quality pressure equipment required for fertilizer production, the urea and ammonia synthesis processes as well as for its extensive knowledge and use of cutting-edge materials, such as Safurex®, Safurex® Star and Safurex® Degree. Similarly, clients worldwide rely on Christof Group's top-quality equipment for highly-concentrated nitric acid and critical melamine equipment.

WORLD'S LEADING SPECIALIST AT THE FERTILIZER MARKET

- More than 150 years of experience
- Over 95% export share
- More than 100 supplied countries
- Around 3,500 international projects
- 5 production sites
- 145,310 m² production area
- 440,000 production hours per year





SERVICE PORTFOLIO

Repair

It is common experience that many failures of shell-and-tube heat exchanger tubing occur within the first few centimeters of the bundle. Main reasons for such tube end damage are erosion, impingement attack, stress corrosion cracking and pitting/crevice corrosion all of which can ultimately lead to leakage and tube failure.

Relining

Relining to ensure the required corrosion protection.

Inspection

Performed by experienced engineers including visual inspection, corrosion inspection, eddy current testing, ultrasonic testing, magnetic induction testing.

Ammonia Tank Corrosion Inspection

Ammonia inspection will be performed to detect potential degradation mainly due to SSC and detect it before it becomes a threat.

Training

Christof Group SIAS can provide training courses on site on technical and operational topics.

Engineering

Mechanical, thermal and detail engineering, design calculations and 3D modelling, using state-of-the-art software.

Revamp

Revamps to modernize, adapt or modify equipment to boost efficiency and productivity levels or lower the environmental footprint in line with applicable rules and regulations.

Supervision of Installation

Supervision of on-site installations of critical and high-pressure equipment.

Spare Parts

Fast supply chain, flexible stock management and most up-to-date engineering.