

FERTILIZER
HANDLING



Fertilizer

Bedeschi, leader in bulk material handling for more than a century, has an outstanding experience and know-how in the realisation of turnkey solutions for fertilizers industry.

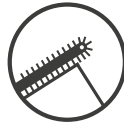
Thanks to the achievements of its R&D Dept., particularly focused on green technologies, Bedeschi is able to design and state of the art systems able to meet highest environmental standards.

The quality of Bedeschi equipment is proved by long term collaborations with giants like OCP and YARA.



The Company

Founded in 1908, Bedeschi provides effective and reliable products in a wide variety of industries (bulk handling, container logistics, bricks) offering complete turn-key solutions for different product lines.



**BULK
HANDLING**



MINING



MARINE



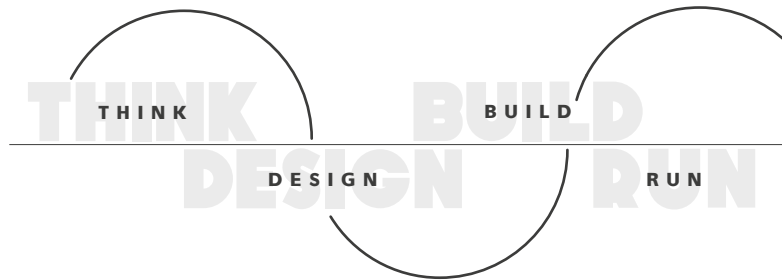
**CONTAINER
LOGISTICS**



BRICKS

LIMENA | THE COMPANY

Limena, close to Venice, in the North-Eastern part of Italy hosts the Company headquarters and the biggest manufacturing facility (the other being in Bergamo). Main mechanical components are manufactured in the state-of-the-art automated Company workshops in order to always keep the highest quality and consistency in our deliveries. While the main functions are coordinated from the headquarters, the other branches (Bergamo, Genova, Miami, Kansas City, Dubai, Moscow and UK) assure prompt and effective services.



**We assist you
from the very
beginning for
the entire life of
the project and
over!**

TAILOR MADE SOLUTION

We cover each step of the project execution from the feasibility study and basic design to the assembly, installation, start up and for any need after commissioning, while the plant is in operation. We still proudly offer a tailor-made solution for our Customers. Optimizing investment returns means well-designed installation and innovative mechanical solutions. Our products rate best in the market in terms of energy consumption operational costs and pollution control, as a result of our commitment to environment protection.



OCP

MOROCCO

As part of its strategic development plan, OCP Group has chosen once again Bedeschi as EPC contractor for the enhancement of Jorf Lasfar plant and port with the aim of increasing the fertilizers sea freight shipping. The stocking capacity has been implemented from 200 Mt (4 * 50) to 400 Mt (4 * 100).

The scope of the new project consisted in:

- supply and installation of n°4 double boom portal reclaimers of 2400t/h capacity each
- replacement of n°4 existing trippers with the supply and installation of n°4 new trippers of 1200 t/h
- supply and installation of n°4 belt conveyors for the reclaimed material
- revamping and extension of n°4 existing conveyors serving the trippers for the creation of the stockpiles
- supply and installation of a new belt conveyor line to connect the storages extension to the existing fertiliser's shipping line
- supply and installation of n°7 conveyors transfer towers

Moreover, Bedeschi provides for mechanical erection, civil works, electrical and automation installation, fighting system (detection + extinction) and a modern digitalised system for the 3D scanning of the stockpiles, compliant with the latest needs of the client in terms of industry 4.0.

MATERIAL | fertilizer

DESIGN CAPACITY | 2.400 t/h each



Petrojet

EGYPT

Main contractor Petrojet has awarded Bedeschi the supply of the first port facility in Egypt for fertilizer export as part of the realization of the new industrial area for fertilizers production from phosphates ordered by the Egyptian NCIC. The plant is located at Sokhna, Red Sea. The scope of supply includes an automatic storage for stacking and reclaiming with a capacity up to 100.000 tons of fertilizers gathered from the production site nearby. Thanks to a complex system of belt conveyors the material is handled to

the quay where a mobile ship loader on rubber-tires loads ships with a capacity of 900 t/h. Bedeschi has been chosen among the competitors as it is the only company able to provide both stacking and reclaiming system and export and shiploading machines. Moreover, there is a modern system of air filters for keeping the environment clean when moving the material avoiding spillages and dust pollution. The equipment includes n. 2 reclaimers, 14 belt conveyors, 7 link conveyors and a shiploader.



MATERIAL | fertilizer

DESIGN CAPACITY | 900 t/h

Yara Sluiskil

HOLLAND

Bedeschi and Yara have been collaborating for a long time on different projects; one of these is Yara Sluiskil. The most significant innovation of the whole project is the “sandwich conveyor system” placed in the centre of the main gantry. “Sandwich belt” refers to 2 conveyors placed one on the top of the other for gently conveying the material.

The pros of said application are:

- possibility to overcome remarkable slope in reduced areas

- low maintenance costs
- advantages regarding environment safety. Since material is completely enclosed between the 2 belts of the conveyor, the spillage or the emission of dust is impossible

The loading point of the tripper and the snake conveyor are on a belt 1200 mm long, caught by the sandwich belt conveyor and redirected to the unloading point.



MATERIAL | urea

DESIGN CAPACITY | 600 t/h



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