

CEMENT
HANDLING



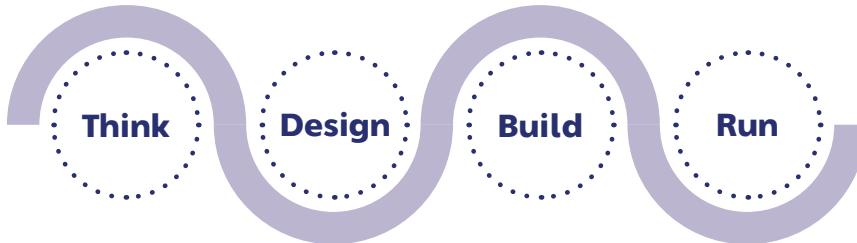
The Company

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.



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 keep always 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...) assure prompt and effective service.

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



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.

Cement

With more than 110 years of experience and with a wide portfolio of product and solutions, Bedeschi is the perfect partner for cement companies who look for state of the art solutions for crushing, handling and storage of raw materials and final products.

Bedeschi has a proven experience with all kind of raw materials and additives and provides the design, engineering and manufacturing of integrated solutions covering every cement company needs from the quarry extraction to the mill feeding, including: Crushing unit (fixed, mobile, semi-mobile), Apron feeders, Stackers and Reclaimers (longitudinal storage, circulars storage), Vertical wall blending storage, Belt conveyors, Pipe conveyors.

Bedeschi is also the key partner for those plants focused on the import and export of clinker and cement capable to supply everything related to port logistic, on shore and off-shore (Ship loaders, Ship unloaders, Eco-hopper, Transhipment)



Sönmez

(Turkey)

Sönmez Çimento is the first cement plant founded within the free zones in Turkey. Thanks to the plant's closeness to the harbor, it is proved that vessels are loaded very fast.

In April 2016 Sönmez Cimento awarded Bedeschi with a contract to realize a clinker and cement export terminal.

The integrated cement plant is located in Adana Yumurtalık TAYSEP Free Zone (Turkey), on an advantageous area because of its proximity to land and sea transportation and raw material sources. The shiploader, slewing, luffing and travelling type, equipped with a telescopic chute, have been installed in this cement plant port terminal.

The slewing shiploader performs efficient loading under heavy duty conditions for vessel up to 55.000 DW, beam 32.2.

The nominal loading capacity of the machine is of 1.000 TPH with peak flow rate of 1.100 TPH.

The equipment is fully in conformity with the Current Environmental Legislation with high technology de-dusting systems such as filters, installed on board to reduce the dust pollution caused by material flow between subsequent belt conveyors. The plant protects its environmentalist features with using alternative fuels and renewable energy sources.

Moreover, the belt conveyor installed on the shiploader was particularly designed, in order to reduce as much as possible the belt speed, the belt inclination and type.

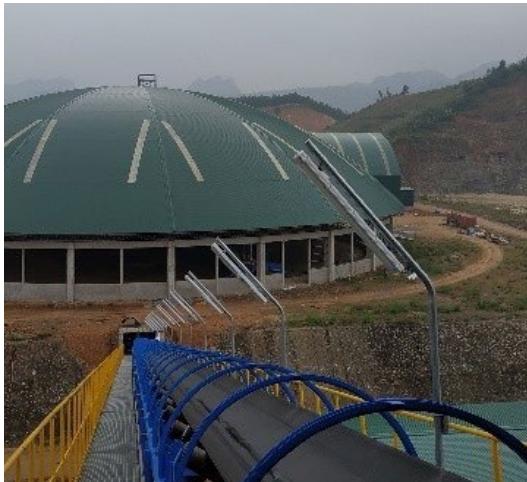
All these improvements and others have been applied in order to avoid any kind of spillage of conveyed material (clinker and cement) and to reduce dust generation at each belt conveyor transfer point.



Material:	Clinker and cement
Design capacity:	1100 t/h

Tan Tang

(Vietnam)



In 2016, Bedeschi was awarded the package for complete supply of all the raw material crushing units, transporting and storage machines at the Tan Thang cement plant, in Nghe An province (Vietnam).

The plant with a cement production capacity of 10.000 mt/day, includes the new handling system from Bedeschi that is in full operation from 2019.

Bedeschi has not only supplied the complete handling equipment, but has conceived and designed the overall layout of the storages for raw materials and coal.

Bedeschi supply includes:

- one crusher for limestone with a capacity up to 850 t/hr,
- one circular storage for limestone with a stacking capacity of 850 t/hr and a reclaiming capacity of 350 t/hr,
- one crushing group for clay with an apron feeder and a double roller crusher, suitable to crush sticky and moist material, with a capacity of 300 t/hr;
- one longitudinal storage with a stacking and reclaiming system able to handle difficult types of material including raw material additives (clay, iron ore, silica) made up of a luffing stacker with a capacity of 300 t/hour and a bucket reclaimer with a capacity of 200 t/hr.
- four (04) receiving stations with apron feeder and double roller crushers for different materials such as Limestone, Clay, Coal, Gypsum.
- one stacking and reclaiming system for coal with a luffing and travelling stacker with a capacity of 200 t/hr,
- one side type scraper reclaimer with a capacity of 100 t/hr.

Material:	Cement
Design capacity:	10.000 mt/day

Lafarge

(Morocco)



The project assigned by LafargeHolcim Maroc to Bedeschi SpA is part of the wide development program which includes the construction of a new Cement Plant with a clinker capacity of 3500 tons/day in the rural area of Agadir, South of Morocco.

The project includes the design, the procurement and the construction of a new belt conveyor to assure the transport of crushed limestone from the quarry to the cement plant.

The quarry has been placed on the mountain, 470 m above and approximately 4,8km far away from the plant. The belt conveyor is the sole feeding line for the whole plant with a strategic impact on the reliability of the plant.

The project has been awarded on a Turnkey basis, and Bedeschi has been appointed as Major EPC Contractor to lead the whole process. The project had to be completed in only 20 months inclusive of topographic survey, engineering design and procurement of structures and equipment, civil works and mechanical erection.



By implementing new technologies as Tekla Structures and Trimble Connect, it has been possible to increase the control of the quantities and the reliability of the production process.

The combination of these two technologies has improved impressively also the quality and the timeframe of the design. Indeed, Trimble Connect has been essential to share models between the different agents driving the project: this allowed a deep and continuous control of interfaces and a high degree of flexibility from the design desk to the site.

Material:	Limestone, cement
Design capacity:	3500 t/h

Watco

(USA)

Bedeschi Eco-Hopper is an economical and flexible solution, able to satisfy the highest environmental standards, thanks to the capability to minimize the dust pollution ensuring the maximum efficiency during the grab discharge cycle. Nowadays, prevent the spillage of material in port during the loading and unloading operation of dry bulk cargo is one of the main issue of ports.

Main features of Bedeschi Eco- Hopper:

- a simple solution being adaptable to different grab capacities (from 1 to 37 cubic meters)
- perfect with any kind of material
- equipped with pulse-jet bag filters with high filtration efficiency and less compressed air consumption
- discharge to conveyor, truck or Bedeschi Apron Feeder
- possibility to include rubber filled pneumatic tyres



Material:	Clinker
Design capacity:	800 t/h



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