

GROUP PROFILE
SINCE 1908



“ PROVIDING RELIABLE AND INNOVATIVE
SOLUTIONS FOR OUR CUSTOMERS
IS OUR MISSION SINCE 1908 ”

GROUP PROFILE | **BEDESCHI**

Accruing know-how and expertise since 1908

Bedeschi Spa was established in 1908 and is today one of the oldest European companies in its industries. At the beginning of the XX century the founder, Guglielmo Bedeschi, designed and built a new "extruder" awarded with the Certificate of Honor and the First Degree Gold Metal, during the international Expo in Turin 1909. Since then the Company could grow and extend its field of application without losing the advantages and flexibility of a family company. Today the fourth generation is running the Company even if the Group dimension is now comparable to the biggest players in the industries.

Bedeschi diversified Business Units can provide Customers with complete turn-key solutions for:

- Bulk Handling, Marine and Mining
- Container Logistics
- Bricks



More than a century of Bedeschi

Diversification is Group major asset to nourish its continuous innovation attitude in products and service to tailor fit Customers' needs.

TAKING THE BEST FROM THE PAST TO BUILD THE FUTURE.





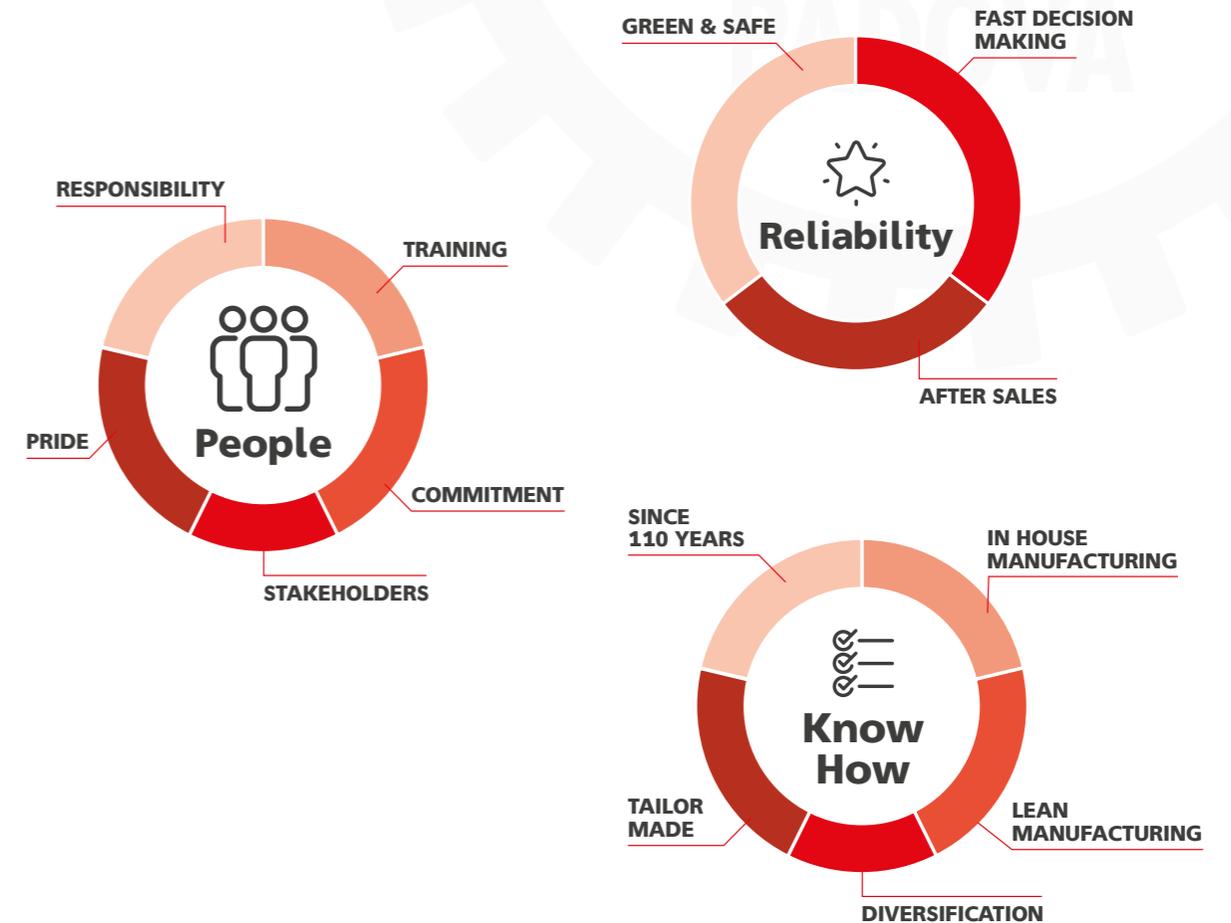
Turn Key Solutions

For more than a century Bedeschi is providing effective and reliable solutions in a wide variety of industries, capitalizing on synergies and cross competences.

The Company takes care of each step of the project execution from the engineering phase to the assembly, installation and start up.

Our Values

We strongly believe that our success relies on PEOPLE. The long-lasting relationships with our Customers and our teammates are able to keep us growing every day.





More than **2/3** returning customers



More than **1500** installations

More than **300** people

More than **70** Engineers

More than **10** years average presence in the Company

Doubled since 2012 **170 Mio**

Limena, close to Venice, in the North Eastern part of Italy hosts 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 headquarters, the other branches (Bergamo, Genova, Miami, Kansas City, Dubai, Moscow...) assure prompt and effective service.

2 production sites in Italy

More than **20 sales** offices worldwide



Diversification

Bulk handling, marine and mining

We are skilled in the design, manufacture and supply of machines and integrated systems for handling, storage and loading/unloading (both on-shore and off-shore) of any type of dry bulk materials. We leverage on our experience to offer tailor-made solution covering any capacity from 100 to 10.000 ton per hour and thanks to our well-known double rotor technology we ensure best performances also in the mining sector.

Cranes

We can offer full range of new products such as ship-to-shore cranes (STS), rubber tyred gantry cranes (RTG), rail mounted gantry cranes (RMG). Our engineering capabilities are the best answer to revamping needs, to adapt older cranes to bigger vessels size.

Bricks

We are today the only company mastering the design, manufacturing and installation of the entire plant without subcontracting any part of it. A complete range of clay processing machines, from quarry to preparation, aging storages, extrusion and tile pressing of any fired clay product, handling machines (automatic lines), dryers and kilns. Bedeschi can supply a full set of services from the simple machine to a complete "turnkey" green field installation.

Industry



BRICKS	✓			✓	
CERAMIC	✓				
TILES	✓				
CEMENT		✓	✓	✓	
MARINE LOGISTICS		✓	✓		✓
DRY PORTS					✓
POWER		✓	✓		
STEEL		✓	✓		
GLASS		✓			
BIOMASS		✓	✓	✓	
MINING		✓		✓	
LIME AND GYPSUM		✓	✓	✓	
WASTE MANAGEMENT		✓		✓	
FERTILIZERS / CHEMICAL		✓	✓	✓	
GRAIN		✓	✓		

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

Think

Design

Build

Run

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.

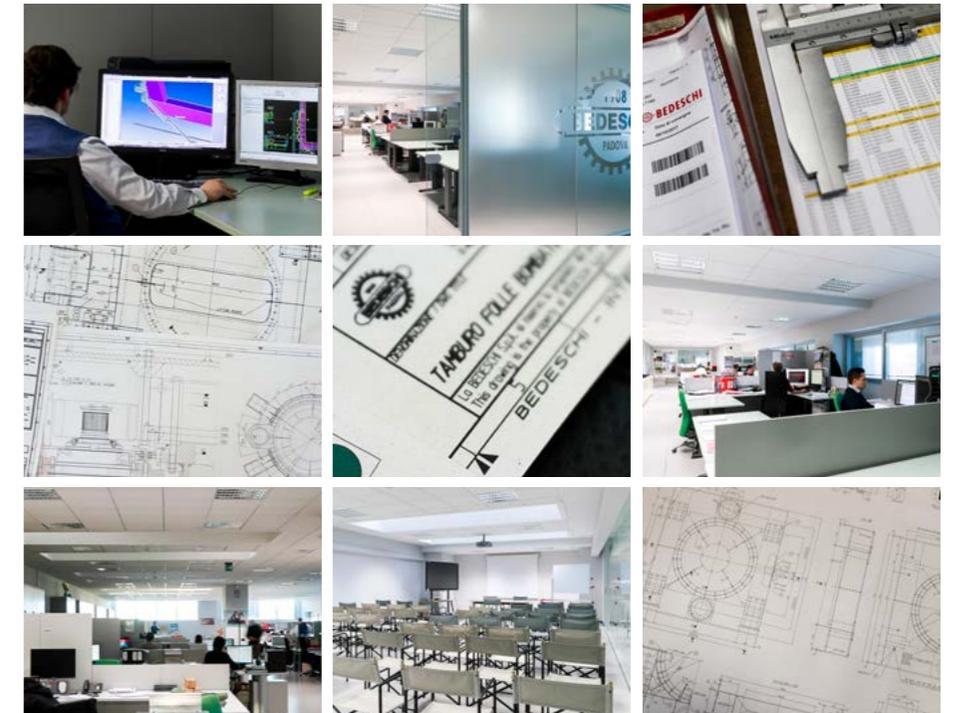
Think

- Feasibility Studies
- Preliminary Engineering
- Logistics audit and research for improvement opportunities
- General Consulting/Cost Analysis
- Plants reconditioning

Design

- Requirements Optimization
- Alternative solutions
- Simulation
- Basic Engineering and Detail Engineering
- Process assessment and integration

03

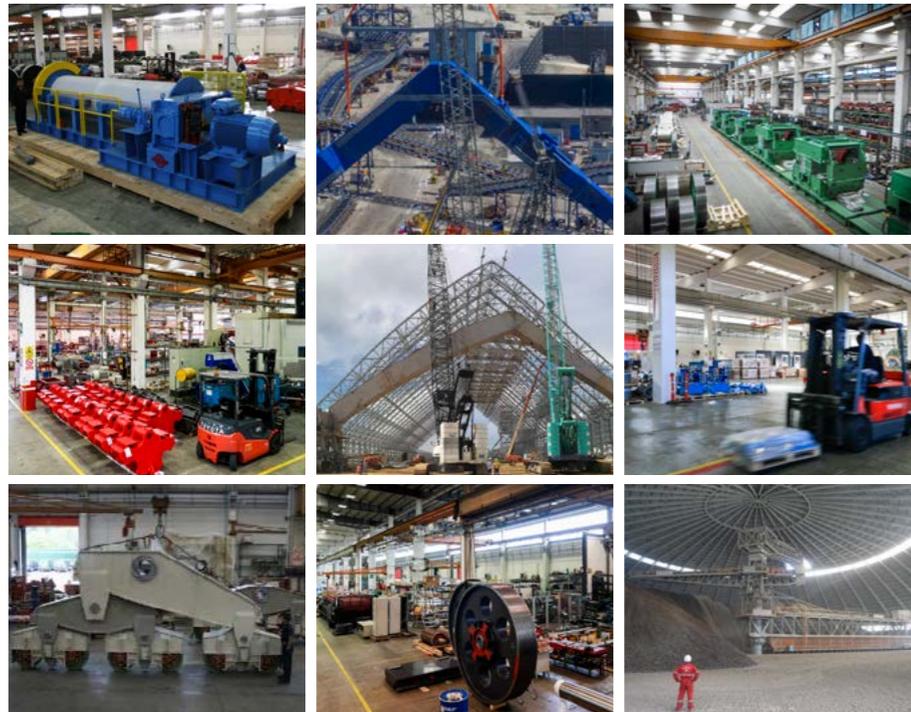


Build

Components manufacturing in our workshop
Worldwide procurement for steel manufacturing
Strict quality control
Expediting
Job site preparation and supervision since civil works
Assembly in house and on site project management

Run

No load and load tests
of the complete solution
Site assistance, comprehensive training
and temporary management
Full service maintenance programs
Remote control and troubleshooting



After Sale Services

Widespread availability

Every region in the world is covered by our team.
AFTER SALES TEAM AVAILABLE 24/7
For prompt first-aid reaction.

Emergency spare parts

Our worldwide organization allows to have in most cases emergency spare parts available within a few hours from customer site. Original Bedeschi parts guarantee high quality, proper wear behaviour, easy replacement and best fit with the equipment.

Technical audit

We can inspect any type of equipment (also by others) to assess the most cost-effective revamping option.

Maintenance contract

With our trouble-free all included maintenance programs, our technical staff will completely take care of your maintenance need for a small yearly fee. Our services include:

- Development of maintenance plan
- Routine maintenance and performance reporting
- Repair work (if any)
- Upgrades, renovations and relocations

Training

Highly skilled engineers are always available for plant personnel coaching during operation. Our instructors ensure your team is adequately equipped to operate and maintain the system on a daily basis.

Field assistance

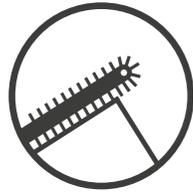
The main features of Bedeschi Service organization is the high degree of specialization of our field service personnel. We guarantee site assistance, comprehensive training, efficient tests run and commissioning, temporary management, remote assistance and web support.



Handling

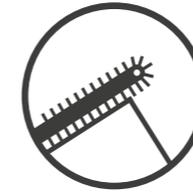
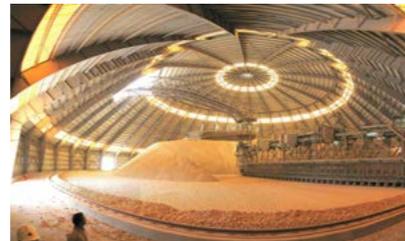
BULK HANDLING
MARINE
MINING
REVAMPING





Circular Storage

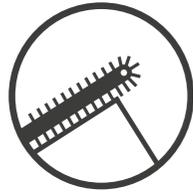
Best blending with optimized space utilization
Up to 200 mt diameter
Portal or frontal reclaimer



Longitudinal Storage

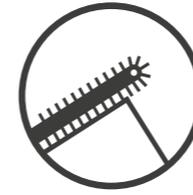
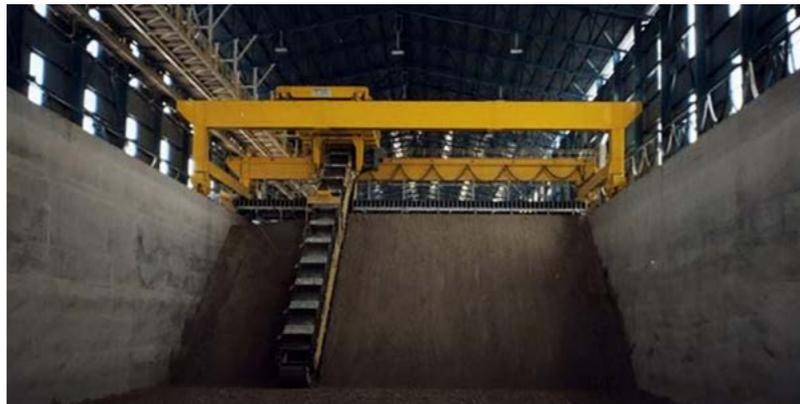
Any combination of stackers and reclaimers
Best solution to handle also very sticky and wet material





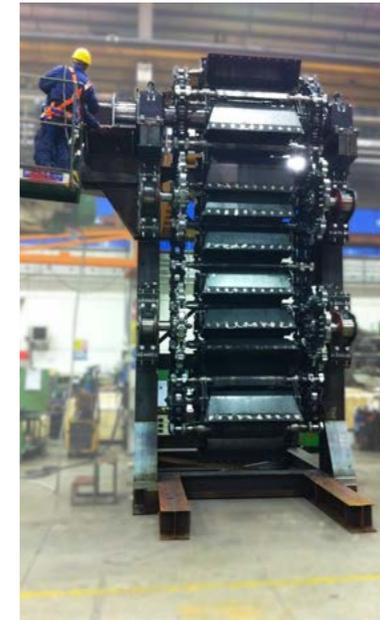
Vertical wall blending storage

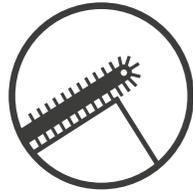
Perfect blending for any type of material
Blending ratio of more than 10
Any combination of stackers and reclaimers for maximum flexibility



Special Application

Bucket wheel - Plow Feeder
Bucket Elevator - Hopper





Conveyors

Belt conveyor - Pipe conveyor
Screw conveyor - Chain conveyor
Enclose (box) conveyor - Vackem system



On-shore Applications

Ship loader - Ship unloader
Travelling, tower, luffing and slewing
SHL - Any type of material from coal
to grain - Continuous ship unloader
Environmental friendly solutions





Off-shore Applications

Wide variety of transshipment both for import and export applications
More than 20 installations in the last 10 years - Wide experience with many different materials



Special Application

Tailor-made solutions to meet customer needs in term of space, minimum rail span or material like fragile iron ore or briquette





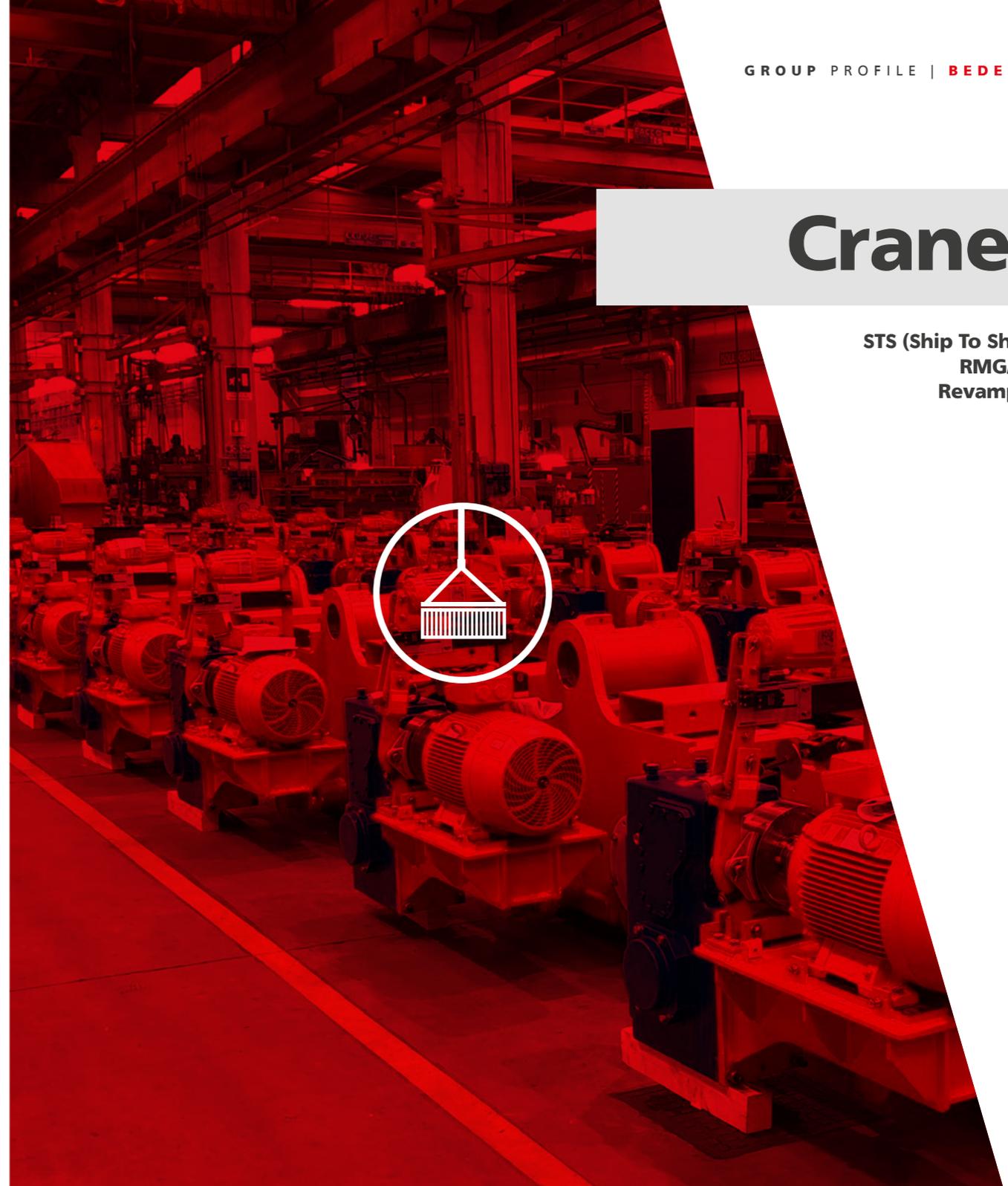
Mining

Feeder: Inclined feeder, horizontal feeder, hinged and curves blade, perfect blade cleaning for sticky materials - Normal duty crusher - Heavy duty crusher - Mobile crushing unit - Low wearing - Low fines



Cranes

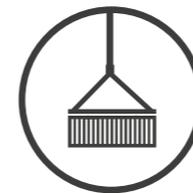
STS (Ship To Shore)
RMG/RTG
Revamping





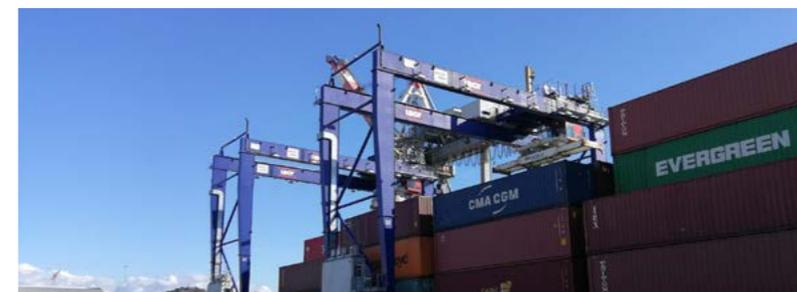
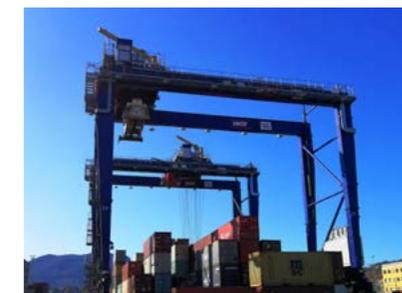
STS

Highest European state of the art solution
Lowest energy consumption
Tailor-made solutions



RMG/RTG

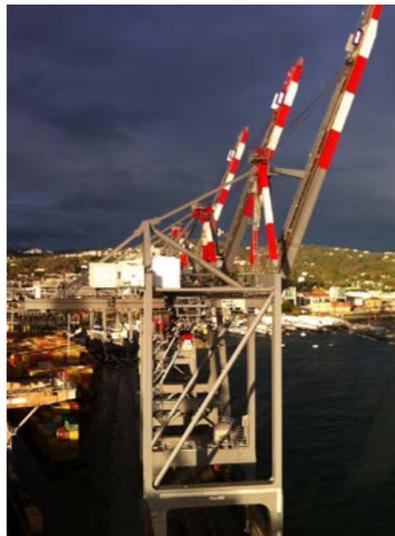
Flexible and fully automatic solutions for dry and sea terminals





Revamping

The best ideas to adapt existing old cranes to the modern needs of today's terminals



Bricks

Bricks
Roofing tiles
Prefabricated wall
Special Application





Bricks turnkey installation

Bedeschi is the only company with the full design and manufacturing of any part of the plant from the preparation to extrusion and from cutting to packaging line



Roofing tiles turnkey installation

Bedeschi's pressing lines combine the traditional reliability of Bed Machines with the flexibility needed to press, move and fire a wide variety of normal and glazed tiles in the same plant





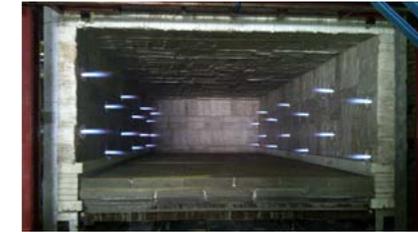
Prefabricated wall turnkey installation

Shortening the construction time for a newly built house is nowadays a big challenge for contractors



Special Application

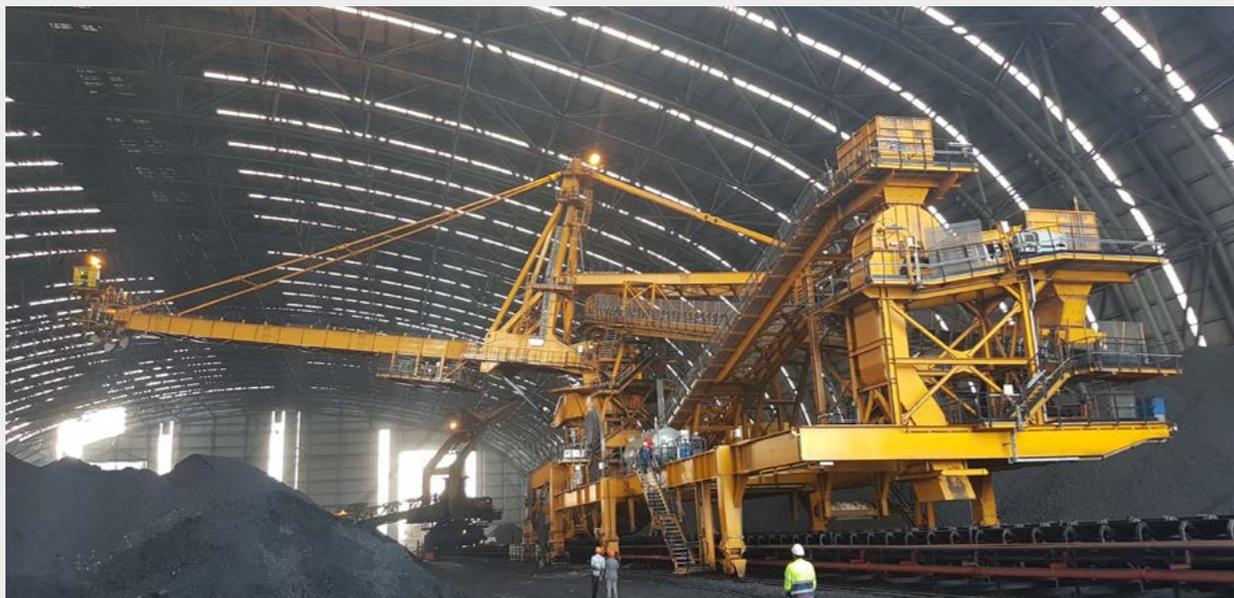
Truck loading
Mono Layer self-standing Kilns



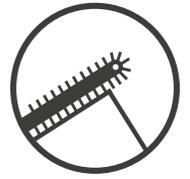
Case Histories



1908
BEDESCHI
PADOVA



ACCIAIERIE D'ITALIA (Italy)



This plant is aiming to be one of the most advanced and environmentally friendly facilities in Europe. **Bedeschi** was awarded the supply of the stacking and reclaiming system inside the primary park (mineral and fossil). Inside the iron ore stockyard are installed 3 new machines for bulk handling with innovative characteristics. This solution is making Taranto the leading facility in the field of stacking materials. The machines are conceived to specifically optimize the quantity of the materials handled inside the stockyard, maximizing the covered area and the piles height. In the meantime, these will reduce the energy consumption and improve the plant efficiency and reliability.

Even if the yards are completely covered and insulated from the outside, the environment safeguard has been taken into great account to reduce the dust emission from the beginning to the loading and unloading operations. In addition, the machine is equipped with a water system on-board that, through a tank, a distribution system and nozzles strategically placed, is remarkably reducing the dust emission without raising the humidity level of the conveyed material. In terms of sustainability, this intervention is unique.



VALE (Brazil)



ORE FABRICA and ORE SOSSEGO are the biggest transshipments all over the world conceived for VALE, the world leader producer of iron ore.

Due to the economies of scale to handle materials using cape-size ships (too big to enter many ports) **Bedeschi** conceived floating ports off-shore providing the ships with belts and cranes to allow the handling of raw material toward ships or barges with reduced dimensions, allowing their entrance and loading on the quay.

Even this machine is not something new, **Bedeschi** and Vale carried out these systems with higher daily capacity (more than 100,000 tons/day) complying with all the most strict environmental standards.



OTEKO PORTSERVICE (Russia)

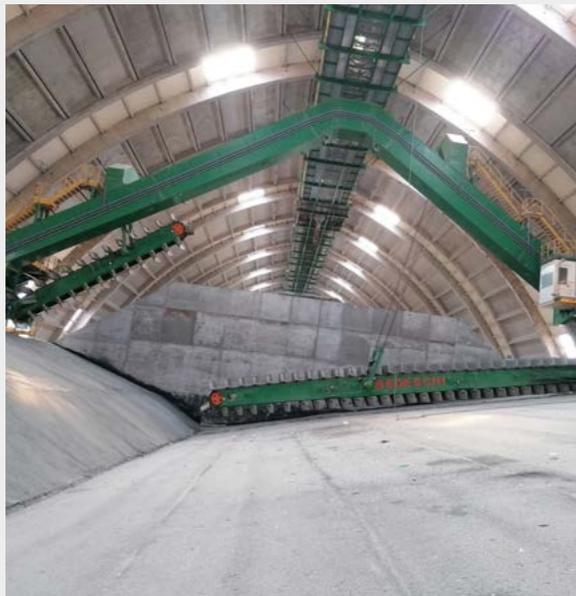
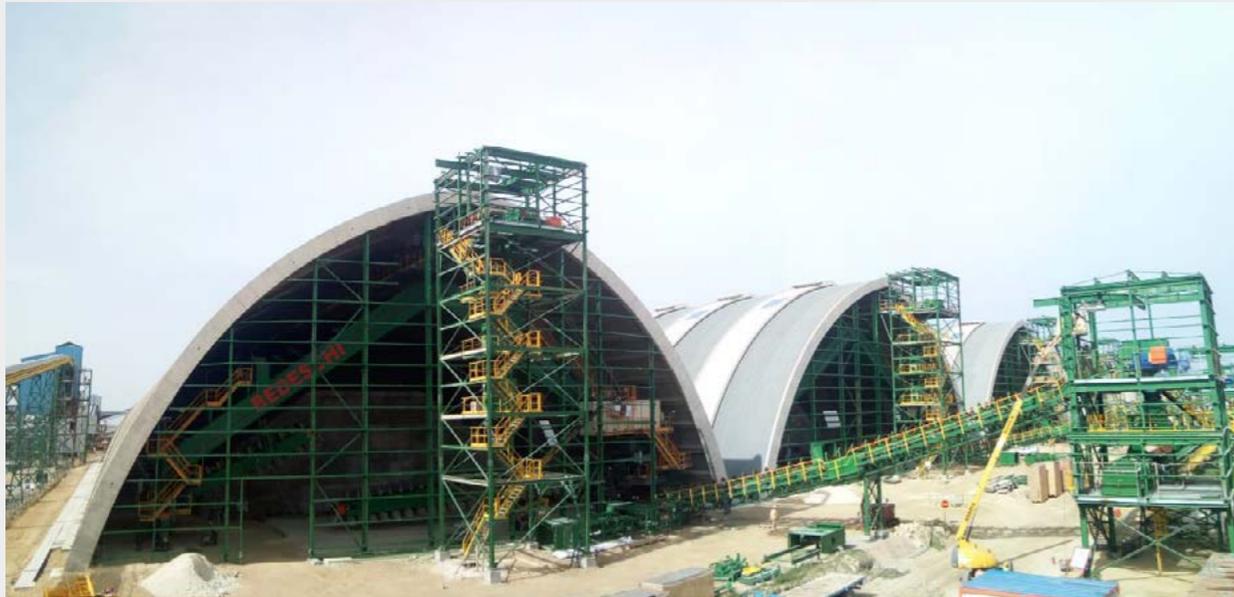


The project consists in the supply of a fully automated coal export terminal with a total aggregated capacity of more than 48.000 tph on 6 loading lines. This is the most efficient coal loading line in the country thanks to the capability to reduce ship handling time by a half, from 48 to 24 hours. Moreover, through introduction of advanced and environmentally sustainable technological solutions the port and industry cluster satisfy the highest environmental standards.

The supply includes 4 combined bucket wheel stacker-reclaimer, 16 kilometres of belt conveyors with relevant ancillaries equipment and 4 shiploaders delivered fully erected to the terminal jetty.

The combined stacker and reclaimer machines supplied have a rated capacity of 8000 t/h each, both in stacking and reclaiming mode.

The system allows for the blending of different types of coal.



OCP (Maroc)

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 m (capacity 4*50.000 t) to 400 m (capacity 4*10.000 t).

The scope of the new project consisted in the supply and installation of 4 double boom portal reclaimers of 2400 t/h capacity each and the replacement of existing trippers with the supply and installation of new trippers of 1200 t/h. In addition, the supply and installation of belt conveyors for the reclaimed material and the revamping and extension of existing conveyors serving the trippers for the creation of the stockpiles.

Moreover, the company supplied and installed a new belt conveyor line to connect the storages extension to the existing fertilizer's shipping line. Finally, the supply and installation of 7 conveyors transfer towers.



NALCO (India)



National Aluminium Co., the Indian giant exploits several bauxite mines in central India and since 1985 has chosen **Bedeschi** as technological partner for all their crushing needs.

Bauxite can result in hard and sticky agglomerates sometimes very difficult to crush, **Bedeschi** experience with such difficult applications has brightly solved their needs since the very beginning.

This mutual partnership resulted in the supply, among others, of three giant double roll crushers RL 1600/2000, the latest being delivered these days.



REVDA TURN KEY INSTALLATION (Russia)



Bedeschi supplied and successfully commissioned a green field "turn-key" plant for the production of 60,000,000 pieces/year of facing bricks and structural blocks to UGMK, the Russian steel giant. The plant represents the latest state of the art installation for the Russian market including finest milling lines, energy saving dryer and kilns with "greenest" technology for emissions and dust control.

Sophisticated integrated factory control systems allow the complete control of the factory operation from local or mobile to the plant management and the remote troubleshooting or fine tuning of Bedeschi engineers from Italian headquarters.





LIMASSOL PORT FOR EUROGATE (Cyprus)



OMG MGM, the **Bedeschi Cranes** BU, enjoys a wide installed base since many years, being part of the Group now the sales and design activity has been revitalized to a new standard of quality and innovation.

This “new era” started with Eurogate (leading German terminal operator) taking over the Limassol/Cyprus terminal and awarding the supply of two brand new 23 rows STS together with the complete revamping of the existing terminal cranes to suit the actual needs of this new hub aiming to be one of the most active crossroads in the Mediterranean sea.



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