



Company profile

1| Background and current activities

Silos Córdoba starts its activities in 1975 with the aim of fulfilling the needs of the stockbreeding market through grazing and storage solutions.

International Expansion

Over the past 20 years, the company has experienced a steady international expansion and we now have local distributors in 17 countries around the world, affiliate companies in Argentina, Turkey, Kazakhstan and Romania; and we export our products to over 45 countries in 4 continents.

Wider range of products and services

Today, we also offer a wider range of products and services worldwide:

- ✓ Conception, planning, design and assembly of turnkey projects for the storage of grain.
- ✓ Manufacturing of silos.
- ✓ Manufacturing of grain conveying and handling systems.
- ✓ Manufacturing of metal structures and claddings.

2| The way we work

- ✓ We look at the specific needs of each client to develop a **PERSONALIZED SOLUTION**.
- ✓ We have a multidisciplinary team of qualified engineers that are **EXPERTS ON PROJECT DEVELOPMENT**.
- ✓ We have a team of technicians and operators that are **EXPERTS ON FACILITY ASSEMBLY**.
- ✓ We control the materials and monitor all the stages of the development and assembly processes to assure **QUALITY UP TO DELIVERY**

Our goal is to meet the needs of our clients through the use of the most up-to-date technologies, the support of an experienced team and the quality of our materials and processes to:

- ✓ Provide our clients with personalized, high quality and cost-efficient solutions.
- ✓ Meet our clients demands on time.
- ✓ Innovate in product development.

Company profile

3| Business Units Structure

Silos Córdoba has organized its operations in specialized units that use the infrastructures and experience of the group.



Silos Córdoba specializes in the manufacture of silos and the engineering, development and assembly of facilities for industrial and agricultural purposes. We can provide full service engineering, from defining the customer's needs and suggesting possible solutions to the conception and implementation of the project.



Matra is specialized in the development and manufacturing of industrial conveying machinery. We use the most advanced CAD 3D engineering technologies and take advantage of the experience and know-how of Silos Córdoba in the agribusiness industry.



Gandaria Servicios Ganaderos specializes in the manufacturing and sale of products for all sorts of livestock facilities: pork, poultry, sheep, cattle, alternative livestock... In addition, we also plan and develop farm facilities and plants, offering a comprehensive service.



GER manufactures and distributes climate control systems for livestock and industry. We offer all the necessary equipment to obtain optimal conditions within the facilities or greenhouses.



Quinta Metálica is specialized in the supply and installation of all kind of metal claddings. We offer the complete construction solution, from the base frame to the exterior cladding. Specialize in the engineering and metal transformation. Modular homes with customized panels.

Company profile

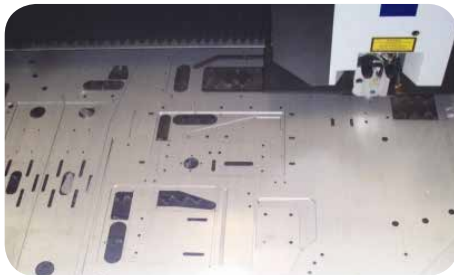
5| Manufacturing facilities

Facilities

- ✓ 9.200 m² for the manufacture of silos.
- ✓ Offices: 1.300 m² for engineering, administration, R+D+i, marketing and sales departments.



- ✓ Silos Cordoba has also 20.100 m² for the production of bolted metallich structures with the most modern machinery for the metal transformation.





Dear client, please be aware that this reference book just shows a brief summary of our projects. If you wish to get more details about any installation showed here or about any other plant executed by us, do not hesitate to get in contact with us.

More info www.siloscordoba.com

Reference List

2002 | Asoportuguesa Venezuela

Plant conceived for the storage, cleaning and drying of maize and sorghum. The total capacity of the plant is 80.700 m³ for the storage of 60.500 T of cereal.

The project includes:

- ✓ 12 silos model 19.10/18 with a total capacity of 76.800 m³.
- ✓ 10 hopper silos model 5.34/14 45° with a total capacity of 3.900 m³.
- ✓ Loading and unloading is done at 200 T/h.
- ✓ The full automation for the complete process of the plant has been executed.
- ✓ Grain temperature monitoring system.
- ✓ Drying system in two lines with a capacity of 200 T/h (100 T/h each line).



2002 | Campo Jerez Spain

Plant conceived for the storage of cereal to make animal feed. The total capacity of the plant is 24.000 m³ for the storage of 18.000 T of cereal.

The project includes:

- ✓ 6 silos model 13.75/13 of 2.400 m³ capacity each.
- ✓ Loading is done at 100 T/h and unloading is done at 150 T/h.
- ✓ The full automation for the complete process of the plant has been executed.
- ✓ Grain temperature monitoring system.

Reference List

2002 | Bell Hassan Group Morocco

Plant conceived for the storage of soy and sunflowers seeds for the subsequent oils extraction.

The total capacity of the plant is 20.000 m³ for the storage of 15.000 T of cereal.

The project includes:

- ✓ 3 silos model 22.92/12 of 6.550 m³ capacity each.
- ✓ Loading and unloading is done at 100 T/h.
- ✓ The facility is connected to an oil extraction plant.



2002 | Anca Venezuela

Plant conceived for the storage, cleaning and drying of maize and sorghum.

The total capacity of the plant is 111.172 m³ for the storage of 83.500 T of cereal.

The project includes:

- ✓ 16 silos mod. 19.10/18 with a total capacity of 102.400 m³.
- ✓ 10 hopper silos mod. 5.35/14 45° with a total capacity of 8.772 m³.
- ✓ The company has carried out the complete automation of the plant.
- ✓ Filling up and emptying is done at 200 T/h.
- ✓ This facility has a grain temperature monitoring system as well as two 100 T lines for precleaning and drying.



Reference List

2002 | Arroz Cristal Venezuela

Plant conceived for the storage, cleaning and drying of rice.

The total capacity of the plant is 19.513 m³ for the storage of 15.000 T of cereal.

The project includes:

- ✓ 6 silos mod. 6.11/7 of 283 m³ capacity each.
- ✓ 8 silos mod. 13.75/12 of 2.228 m³ each.
- ✓ Filling up and emptying is done at 60 T/h.
- ✓ This facility has a grain temperature monitoring system.



2002 | Molino San José Argentina

Plant conceived for the storage of cereal aimed at subsequent milling.

The total capacity of the plant is 26.640 m³ for the storage of 20.000 T of cereal.

The project includes:

- ✓ 8 silos model 14.51/16 with a total capacity of 26.640 m³.
- ✓ Filling up and unloading is done at 200 T/h.
- ✓ The plant has a ventilation system.

Reference List

2003 | Unión Arrocera Spain

Plant focused on storage, cleaning and drying of rice.

The total capacity of the plant is 19.500 m³ for the storage of 14.600 T of cereal.

The project includes:

- ✓ 6 silos model 14.51/16 with a total capacity of 19.500 m³.
- ✓ It has a ventilation system with 2 turbines per silo with a flow volume of 32.000 m³.
- ✓ It includes as well a temperature monitoring system.



Reference List

2004 | Arrosaires Deltra del Ebro Spain

Plant conceived for the storage of rice.

The total capacity of the plant is 91.000 m³ for the storage of 68.250 T of cereal.

The project includes:

- ✓ 84 hopper silos 45° model 7.64/16 of 928 m³ capacity each.
- ✓ The filling up capacity is 100 T/h.
- ✓ It has a belt and protection tunnel, as well as a ventilation and cooling system.



Reference List

2005 | Heves Hungary

Project of 38 plants distributed through the Hungarian country, conceived for the storage of cereal.
The total capacity of the project is 723.444 m³ for the storage of 542.500 T of cereal.
Each project includes:

- ✓ 6 silos model 18.33/9 of 3.173 m³. The total capacity of each plant is 19.038 m³ for the storage of 14.300 T.



2005 | Vitaflora Slovakia

Plant conceived for the storage of wheat and rape.
The total capacity of the plant is 95.700 m³ for the storage of 72.000 T of cereal.
The project includes:

- ✓ 17 silos model 20.63/15 of 5.906 m³ capacity each.



Reference List

2005 | AG Project Poland

Plant conceived for the storage of cereal.

The total capacity of the plant is 29.699 m³ for the storage of 22.275 T of cereal

The project includes:

- ✓ 6 silos model 18.33/14 of 4.677 m³ capacity each.
- ✓ 1 hopper silo model 4.58/4 with 95 m³ of capacity.
- ✓ 2 hopper silos model 7.64/13 of 771 m³ capacity each.
- ✓ This project has ventilation system.



2005 | Jurex Slovakia

Plant conceived for the storage of wheat and rape.

The total capacity of the plant is 37.083 m³ for the storage of 27.800 T of cereal.

The project includes:

- ✓ 2 silos model 9.17/8 of 661 m³ capacity each.
- ✓ 6 silos model 12.22/14 of 2.010 m³ capacity each.
- ✓ 20 hopper silos model 4.58/7 of 157 m³ capacity each.
- ✓ 6 silos model 14.51/6 of 3.427 m³ capacity each.



Reference List

2005 | Piensos Daruz Spain

Plant conceived for the storage of corn for animal consumption.

The total capacity of the plant is 2.500 m³ for the storage of 1.900 T of cereals.

The project includes:

- ✓ 10 60° conic hopper silos that gives a total capacity of 2.500 m³.
- ✓ It includes also the filling up and emptying of cereal storage premises by belt and tripper.
- ✓ The second project is made up of hoppers for railway receipt at 100 T/h with two truck loading silos of 60 m³ capacity each.



2005 | Pilonos Curpa Venezuela

Plant conceived for the storage of corn.

The total capacity of the plant is 4.232 m³ for the storage of 3.200 T of cereal.

The project includes:

- ✓ 2 silos model 14.51/10 of 2.116 m³ capacity each.

Reference List

2006 | Cooperativa Nuestra Señora de las Virtudes Spain

Plant for the receipt, cleaning, drying and storage of different cereals.

The total capacity of the plant is 13.380 m³ for the storage of 10.000 T of cereal.

The project includes:

- ✓ 10 silos model 9.17/13 of 1.338 m³ capacity each.



2006 | ACS Mexico

Plant focused on the storage of cereal for a railport.

The total capacity of the plant is 27.000 m³ for the storage of 20.250 T of cereal.

The project includes:

- ✓ Load and unload of 300 T/h.
- ✓ An extension of the railport has been executed with additional capacity of 27.000 m³.



Reference List

2006 | Agrícola Sumaya Chile

Plant conceived for the receipt, drying, precleaning and storage of wheat and maize.
The total capacity of the plant is 18.500 m³ for the storage of 13.875 T of cereal.
The project includes:

- ✓ 6 silos model 15.28/13 of 2.987 m³ capacity each.
- ✓ 2 hopper silos of 200 T.
- ✓ It includes a ventilation and temperature monitoring system.



2006 | Calimboy Argentina

Plant conceived for the storage of paddy rice.
The total capacity of the plant is 33.000 m³ for the storage of 22.500 T of cereal.
The project includes:

- ✓ 5 silos model 27.5 m of diameter.
- ✓ It includes temperature monitoring system and ventilation.
- ✓ It includes as well filling conveyors, sweepers, elevator and unloading conveyors.

Reference List

2006 | Bunge Spain

Plant conceived for the extraction of oils and meals.

The project includes:

- ✓ The transport of meal is executed with conveying machinery manufactured by Silos Córdoba according to ATEX regulations with a capacity of 300 T/h.
- ✓ The project includes as well the manufacture and assembly of other elements as catwalks, towers or supports.



2006 | Thai Nyugen Vietnam

Plant conceived for the storage of cereal.

The total capacity of the plant is 14.350 m³ for the storage of 10.800 T of cereal.

The project includes:

- ✓ 5 silos model 14.51/14 of 2.870 m³ capacity each.
- ✓ The installation includes a bucket elevator, four conveyor belts and filling up and extraction system (150 T/h).
- ✓ The project includes also ventilation system, and extraction system.



Reference List

2006 | Siam Quality Rice Thailand

Project of two plants conceived for the storage of grain.

The total capacity of the plant is 5.436 m³ for the storage of 4.000 T of cereal.

The two projects include:

- ✓ The first installation includes 12 square silos of 5,5x5,5 meters with a total storage capacity of 3.636 m³.
- ✓ The other one includes six square silos of 5,5x5,5 meters with a total capacity of 1.800 m³.



2006 | Teal Peru

Execution of turn key project for the storage of wheat.

The total capacity of the plant is 13.520 m³ for the storage of 10.140 T of cereal.

The project includes:

- ✓ 2 silos model 20.63/16 of 6.760 m³ capacity each.
- ✓ Flow scale.
- ✓ Conveying systems.
- ✓ Electric equipment.
- ✓ Ventilation and temperature monitoring systems.
- ✓ The project also includes the execution and turn key delivery of 5 process conic silos model 6.11/16 of 583 m³ capacity each.



Reference List

2006 | Cerejeira Portugal

Project for a compound feed manufacturing plant (5 T/h).

The total capacity of the plant is 1.200 m³.

The project includes:

- ✓ 3 silos model 6.11/8 60° of 327 m³ capacity each.
- ✓ 1 silo model 3.82/9 of 122 m³ capacity.
- ✓ 2 silos model 2.75/2 60° of 20,85 m³ capacity each.
- ✓ It includes also conveying machinery, mixer, scale and electric equipment.



2006 | Barlmat India

Plant conceived for the storage of barley.

The total capacity of the plant is 41.952 m³ for the storage of 31.500 T of cereal.

The project includes:

- ✓ 6 silos model 24.45/11 of 6.992 m³ capacity each.



Reference List

2007 | Acor Spain

Plant conceived for the storage of rape and sunflower seeds for biodiesel production.
The total capacity of the plant is 266.666 m³ for the storage of 200.000 T of cereal.
The project includes:

- ✓ 16 silos model 27.50/22 of 16.468 m³ capacity each.
- ✓ 5 hopper silos model 8.40/11 45° for receipt of 817 m³ capacity each.



Reference List

2007 | Baku Azerbaijan

Plant for the receipt of ships with two slip extractors with a capacity of 300 T, transfer belt to silos and filling up system. The total capacity of the plant is 19.627 m³ for the storage of 14.500 T of cereal.

The project includes:

- ✓ Manufacture and assembly of 5 flat silos model 16.81/14 of 3.901 m³ capacity each.
- ✓ Continuous flow scale at the entry and at the expedition from silos to railroad and trucks.
- ✓ The project includes as well ventilation and temperature monitoring systems and clearing machines.
- ✓ Regarding conveying systems, Silos Córdoba provides two belt conveyors, two bucket elevators and five chain conveyors.



Reference List

2007 | Petkus Germany

Three projects conceived for the storage of cereal.

The total capacity of the three projects is 183.621 m³ for the storage of 137.700 T of cereal.

Description of each project:

- ✓ VITA: It is made up of 6 silos model 22.93 with a total capacity of 42.150 m³.
- ✓ KRAZOS: Consists of 4 silos model 19.10/14 with a total capacity of 50.376 m³.
- ✓ PIESTRITZ: Consists of 3 silos model 15.28/7 with a total capacity of 15.650 m³ and 5 silos mod. 17.57/17 with a total capacity of 75.545 m³.



2007 | Spomax Poland

Plant conceived for the storage of wheat.

The total capacity of the plant is 12.890 m³ for the storage of 10.000 T of cereal.

The project includes:

- ✓ 10 silos model 9.17/15 with 45° cone of 1.289 m³ capacity each.
- ✓ Catwalks, towers and supports.



Reference List

2008 | Avícola Betania Venezuela

Plant conceived for the storage of cereal.

The total capacity of the plant is 6.600 m³ for the storage of 5.000 T of cereal.

The project includes:

- ✓ 2 silos model 15.28/12 of 2.778 m³ capacity each.
- ✓ 3 hopper silos model 6.11/9 45° of 348 m³ capacity each.
- ✓ 12 T/h of meal production.
- ✓ It includes also lubrication machinery, mixer, dryer and baling system.



2008 | Tien Hung Vietnam

Plant conceived for the storage of wheat.

The total capacity of the plant is 8.184 m³ for the storage of 6.000 T of cereal.

The project includes:

- ✓ 6 silos model 9.17/16 with 45° cone of 1.364 m³ capacity each.
- ✓ Catwalks and supports.
- ✓ The conveying machinery has been delivered by Silos Cordoba.

Reference List

2009 | Giay Vietnam

Plant conceived for the storage of wheat.

The total capacity of the plant is 10.264 m³ for the storage of 7.700 T of cereal.

The project includes:

- ✓ 4 silos model 13.75/14 of 10.264 m³ capacity each.
- ✓ Filling up is done at 100 T/h and unloading is done at 50 T/h.
- ✓ The conveying machinery has been delivered by Silos Cordoba.



2009 | Pozo Spain

Animal compound feed manufacturing plant with a production of 15 T/h for meals and 25 T/h for granulation.

The project includes:

- ✓ It has a 120 hp mill, a 200 hp granulating press and lubrication system.
- ✓ The project includes also the manufacturing and assembly of 4 conic hopper silos model 9.17/12 with a total capacity of 4.252 m³
- ✓ It includes a bulk load system and baling machine.
- ✓ Silos Córdoba has provided the full automation.



Reference List

2009 | Constanza Romania

Plant conceived for the storage of wheat, barley, rape, corn, sunflower...

The total capacity of the plant is 218.960 m³ for the storage of 164.000 T of cereal.

The project includes:

- ✓ 17 silos model 24.45/22 of 12.880 m³ capacity each.
- ✓ Filling up is done at 1.200 T/h.



Reference List

2009 | Alicorp Peru

Wheat processing and storage plant.

The total capacity of the plant is 37.504 m³ for the storage of 28.128 T of cereal.

The project includes:

- ✓ 4 silos model 22.92/18 of 9.376 m³ capacity each.
- ✓ Grain temperature monitoring systems.
- ✓ Filling up is done at 300 T/h and unloading at 150 T/h.



2009 | Too Urozhay Kazakhstan

Plant focused on the storage of cereals.

The total capacity of the plant is 60.840 m³ for the storage of 46.000 T of cereals.

The project includes:

- ✓ 10 silos model 22.92/11 of 6.084 m³ capacity each.
- ✓ Filling up is done at 200 T/h and train unloading is done at 200 T/h.

Reference List

2009 | Medimix Tunisia

Plant conceived for the storage of cereals to make animal feed.

The total capacity of the plant is 15.986 m³ for the storage of 12.000 T of cereals.

The project includes:

- ✓ 4 flat silos model 14.51/18 of 3.624 m³ capacity each.
- ✓ 2 flat silos model 6.88/17 of 745 m³ capacity each.
- ✓ 2 hopper silos (60°) model 5.35/14 of 399 m³ capacity each.
- ✓ 3 hopper silos (60°) model 3.82/12 of 173 m³ capacity each.
- ✓ Filling up for silos and warehouses is done at 200 T/h and truck unloading is done at 100 T/h.



2009 | Lartirigoyen Argentina

Plant conceived for railway receipt.

The total capacity of the plant is 3.205 m³ for the storage of 2.400 T of cereal.

The project includes:

- ✓ 4 hopper silos model 8.40/10 45° in line.
- ✓ 1 hopper silo for railway loading model 4.65/4 60°.
- ✓ 1 hopper silo for broken grain waste model 3.82/5 65°.
- ✓ The project includes ventilation systems, catwalks and supports.



Reference List

2010 | Belchimtrans Belarus

Plant conceived for the storage of rape.

The total capacity of the plant is 18.708 m³ for the storage of 14.000 T of cereal.

The project includes:

- ✓ 4 silos model 18.33/14 of 4.677 m³ capacity each.
- ✓ Filling up is done at 100 T/h and unloading at 50 T/h.
- ✓ This project includes elevators, chain conveyors and sweepers.



2011 | Asoproat Venezuela

Project for humid receipt and condition silos.

The total capacity of the plant is 46.296 m³ for the storage of 34.700 T of cereal.

The project includes:

- ✓ 6 hopper silos model 7.64/7 45° of 458 m³ capacity each.
- ✓ 2 hopper silos model 7.64/8 of 510 m³ capacity each.
- ✓ 6 silos model 20.63/12 of 5.236 m³ capacity each.
- ✓ 4 silos model 15.28/12 of 2.778 m³ capacity each.

Reference List

2011 | Cefusa Spain

Project conceived for the storage of corn and barley.

The total capacity of the plant is 82.340 m³ for the storage of 61.750 T of cereal.

The project includes:

- ✓ 5 silos model 27.50/22 of 16.468 m³ capacity each.



Reference List

2011 | Agroeks Prima Slovakia

Project conceived for the storage of cereals.

The total capacity of the plant is 71.548 m³ for the storage of 54.000 T of cereals.

The project includes:

- ✓ 2 silos model 41.25/20 of 35.774 m³ capacity each and 34,70 m height.



Reference List

2012 | Zoubida Morocco

Project conceived for the storage of corn.

The total capacity of the plant is 26.216 m³ for the storage of 20.000 T of cereal.

The project includes:

- ✓ 4 silos model 22.92/12 of 6.554 m³ capacity each.
- ✓ Filling up is done at 200 T/h and unloading at 100 T/h.
- ✓ The conveying machinery has been delivered by Silos Cordoba.



2012 | Dan Kazakhstan

Project conceived for the storage of wheat and barley.

The total capacity of the plant is 15.837 m³ for the storage of 11.875 T of cereals.

The project includes:

- ✓ 3 silos model 18.33/16 of 5.279 m³ capacity each.
- ✓ Loading and unloading is done at 120 T/h.
- ✓ The conveying machinery has been delivered by Silos Cordoba.
- ✓ It includes temperature monitoring system and ventilation.

Reference List

2012 | Tiryaki Turkey

Project conceived for the storage of wheat and canola.

The total capacity of the plant is 250.168 m³ for the storage of 200.000 T of cereal.

The project includes:

- ✓ 19 silos model 18.33/22 of 7.110 m³ capacity each.
- ✓ 11 silos model 14.51/22 of 4.395 m³ capacity each.
- ✓ 27 truck loading silos mod. 4.65/6 of 147 m³ capacity each.
- ✓ 4 45° conic silos model 9.17/12 of 1.063 m³ capacity each.
- ✓ The conveying machinery has been delivered by Silos Cordoba.
- ✓ Loading and unloading is done at 300 T/h.



Reference List

2012 | Magura Independe Romania

Plant conceived for the storage of cereals.

The total capacity of the plant is 27.683 m³ for the storage of 20.750 T of cereals.

The project includes:

- ✓ 8 silos model 16.81/12 of 3.395 m³ capacity each.
- ✓ 1 silo model 6.11/8 of 314 m³ capacity each.
- ✓ 4 hopper silos model 3.50/4 45° of 52,36 m³ capacity each.
- ✓ Loading and unloading is done at 100 T/h.
- ✓ The conveying machinery has been delivered by Silos Cordoba.



Reference List

2013 | Tonkeris Kazakhstan

Plant conceived for the storage of wheat.

The total capacity of the plant is 17.020 m³ for the storage of 12.800 T of cereals.

The project includes:

- ✓ 4 silos model 17.57/13 of 4.003 m³ capacity each.
- ✓ 3 hopper silos model 5.35/9 (45°) of 262 m³ capacity each.
- ✓ 3 truck loading silos model 3.50/6 (60°) of 74,07 m³ capacity each.
- ✓ Loading and unloading is done at 100 T/h.
- ✓ The conveying machinery has been delivered by Silos Cordoba.



Reference List

2013 | Aceites Borges Spain

Project conceived for the storage of sunflower.

The total capacity of the plant is 19.482 m³ for the storage of 14.600 T of sunflower.

The project includes:

- ✓ 6 silos model 14.51/16 of 3.247 m³ capacity each.
- ✓ Loading and unloading is done at 150 T/h.



Reference List

2013 | KST Sri Lanka

Project conceived for the storage of corn.

The total capacity of the plant is 15,354 m³ for the storage of 11,515 T of cereal.

The project includes:

- ✓ 2 silos model 22.92/13 of 7,025 m³ capacity each.
- ✓ 2 hopper silos model 6.88/13 45° of 618 m³ capacity each.
- ✓ 1 hopper silo for truck loading 3.50/5 45°.
- ✓ Loading and unloading is done at 80 T/h.
- ✓ The conveying machinery has been delivered by Silos Cordoba.



Reference List

2013 | Adunati Romania

Plant focused on the storage of wheat, corn, rape and sunflower.

The total capacity of the plant is 8.046 m³ for the storage of 6.000 T of cereals.

The project includes:

- ✓ 6 silos model 12.22/9 of 1.341 m³ capacity each.
- ✓ Dryer for maize model SCM 2-6 with a total capacity of 5 MT per hour able to reduce moisture content from 24% to 14%. Furnace use biomass.



2014 | Gamal Egypt

Plant focused on the storage of cereals.

The total capacity of the plant is 69.685 m³ for the storage of 52.263 T of cereals.

The project includes:

- ✓ 8 silos model 20.63/21 of 8.690 m³ capacity each.
- ✓ 3 square silos of 4x4 meters (bulk loading) of 55 m³ capacity each.
- ✓ Loading is done at 200 T/h and unloading is done at 100 T/h.

Reference List

2015 | Martos Spain

Ecologica Lamarca's storage plant. The silos will be used for the storage of grape and sunflower seeds. The total capacity of the plant is 9.000 m³ for the storage of 6.750 T of grape and sunflower seeds. The project consists of:

- ✓ 3 silos 14.51/15, with a capacity of 3.000 m³ each.
- ✓ Handling equipment 120 T/h.
- ✓ Walkways supported on towers.
- ✓ It has been erected by our team at assembly company Montaje de Silos S.L.



2015 | Ferrero Chile

Grain storage plant conceived for the storage of hazelnut. The total capacity of the plant is 6.408 m³ for the storage of 5.000 T of hazelnut. The project includes:

- ✓ 12 hopper silos 45° model 6.88/11 of 534 m³ capacity each.
- ✓ The reception is performed through 2 hoppers equipped with 2 elevators of 30 T/h each.



Reference List

2015 | Arrozúa Spain

Plant conceived for the storage of paddy rice and white rice.

The total capacity of the plant is 19.842 m³ for the storage of 14.600 T of rice.

The project includes:

- ✓ 6 silos model 14.51/16 of 3.247 m³ capacity each.
- ✓ Chain conveyors and bucket elevators.
- ✓ Pre-cleaners.
- ✓ Towers, catwalks, support structure for elevators and precleaners.
- ✓ Loading and unloading is done at 100 T/h.

This project is an expansion of an existing 130,000 T plant.



2015 | Berte Qvarn Sweden

Plant conceived for the storage of wheat.

The total capacity of the plant is 12.300 m³ for the storage of 9.200 T of cereals.

The project includes:

- ✓ 3 silos model 18.33 of 4.100 m³ capacity each.
- ✓ The assembly of the silos has been performed by our own assembly team.

Reference List

2015 | Vitebsk Belarus

Flour milling plant.

The total capacity of the plant is 45.102 m³ for the storage of 33.800 T of cereal.

The project includes:

- ✓ 8 flat silos model 19.10/13 of 4.700 m³ capacity each.
- ✓ 14 hopper silos model 6.11/9 of 361 m³ capacity each.
- ✓ 36 truck loading silos model 3.50/5 of 68 m³ capacity each.
- ✓ Truck loading silos are placed on a square matrix 6×6.
- ✓ Loading and unloading is done at 100 T/h and 175 T/h.
- ✓ Loading and unloading of truck load silos is done at 50 T/h.



2016 | CP18 Thailand

Storage plant for paddy rice in the Ubon Ratchathani Province.

The total capacity of the plant is 21.500 m³ for the storage of 16.125 T of paddy rice.

The silos plant includes:

- ✓ 12 hopper silos model 10.70/15 with 45° cone of 1790 m³ capacity each.
- ✓ Matrix silo distribution of 3×4. Each silo is equipped with the following accessories:
 - ✓ Maximum and minimum sensors.
 - ✓ Aeration system made up by:
 - Aeration pipes and connections
 - Centrifugal fan
 - Exhaust fan on the roof
- ✓ Automatic Temperature Monitoring System.

Besides, the storage plant includes all necessary catwalks and supports for the loading handling equipment.



Reference List

2015 | AKT Kazakhstan

Plant focused on the storage of maize at Aktau Port. This plant is conceived for the storage and expedition at bulk carriers. The collection of maize on this plant is done through train. The total capacity of the plant is 82.560 m³ for the storage of 62.000 T of cereal.

The project includes:

- ✓ 6 flat silos model 27.50/18 of 13.760 m³ capacity each.

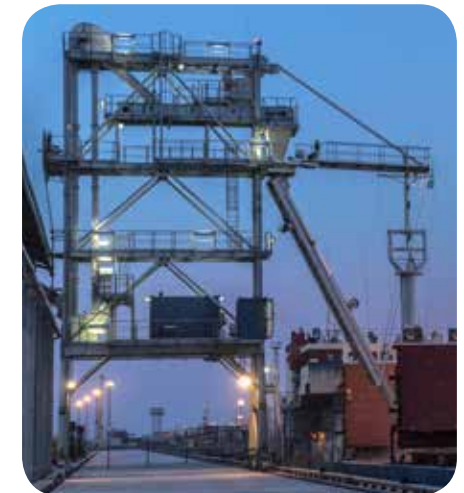
The storage plant can be divide into three main areas of work:

- ✓ Reception of cereals at 500 T/h.
- ✓ Storage of cereals.
- ✓ Dispatch of cereal from silos to ship at 500 T/h through a ship loader.

The facility has as well:

- ✓ Dust aspiration system in intake pit and handling equipment.
- ✓ Pre-cleaner system.
- ✓ Electrical pannel with PLC and SCADA.
- ✓ Lightning system.
- ✓ Fire extinguishing systems.
- ✓ Water drainage.
- ✓ Weighting system using a continuous flow scale of 500 T/h.

Erection and commissioning has been done by Silos Cordoba Kazakhstan.



Reference List

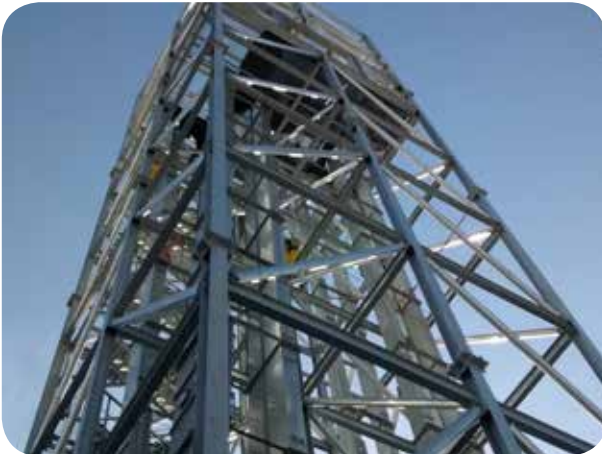
2015 | Obrinel Uruguay

Plant conceived for the storage of wheat at Montevideo Port.

The total capacity of the plant is 161.312 m³ for the storage of 121.000 T of cereal.

The project includes:

- ✓ 12 silos model 27.50/17 of 13.083 m³ capacity each.
- ✓ 1 hopper silo model 10.70/16 45° of 1.893 m³ capacity each.
- ✓ 2 hopper silos model 5.35/6 60° of 194 m³ capacity each.
- ✓ 2 hopper silos model 8.40/13 45° of 944 m³ capacity each.
- ✓ 1 truck load silo model 4.65/6 60° of 147 m³ capacity each.
- ✓ Central handling tower of 9,3 X 9,3 X 45m height.
- ✓ Secondary central handling tower of 9 X 7 X 28m height.
- ✓ Weighting area 12 X 6,5 m.
- ✓ Loading and unloading is done at 800 T/h.
- ✓ It includes as well a truck dumper platform, conveyors, bucket elevators and accessories.



Reference List

2016 | SLK02 Sri Lanka

Plant conceived for the storage of rice.

The total capacity of the plant is 118.966 m³ for the storage of 89.500 T of rice.

The project includes:

- ✓ 20 silos model 19.10/16 of 5.771 m³ capacity each.
- ✓ 3 hopper silos model 7.64/11 45° of 667 m³ capacity each.
- ✓ 3 hopper silos model 6.11/14 45° of 515 m³ capacity each.
- ✓ Bucket elevators and belt conveyors.
- ✓ Silos equipped with level detectors, ventilation system and thermometry.
- ✓ Catwalks and towers.
- ✓ Drying and cleaning systems.
- ✓ Electrical panel.



Reference List

2016 | Indeika Russia

Plant conceived for the storage of maize and wheat to provide the feed factory located at Tambov Region, Russia. The total capacity of the plant is 111.924 m³ for the storage of 80.000 T of cereals.

The project includes:

- ✓ 6 silos model 32.08/16 of 17.237 m³ capacity each.
- ✓ 4 silos model 9.17/12 45° of 1063 m³ capacity each.
- ✓ 10 silos model 6.88/08 60° of 425 m³ capacity each.
- ✓ Raw material reception by train and truck.
- ✓ Load is done at 200 T/h.
- ✓ Unload is done at 120 T/h.
- ✓ Pre-cleaners.
- ✓ Dryers.
- ✓ Filtration systems.



Reference List

2016 | Omega Bolivia

Plant conceived for the storage of soya and maize.

The total capacity of the plant is 47.793 m³ for the storage of 35.850 T of cereals.

The project includes:

- ✓ 4 silos model 27.50/20 of 11.086 m³ capacity each.
- ✓ 4 buffer silos model 7.64/13 of 771 m³ capacity each.
- ✓ 1 bulk silo model 4.65/5 of 123 m³ capacity.
- ✓ 3 train load silos model 4.65/3 of 80,83 m³ capacity each.
- ✓ Two separates drying lines: The first line with one dryer of 75 T/h y the second line with two dryers of 75 T/h.
- ✓ Load is done at 150 T/h.
- ✓ Unload is done at 100 T/h.
- ✓ Cleaning systems.



Reference List

2016 | SNA Tunisia

Plant conceived for the storage of maize and soy beans.

The total capacity of the plant is 75.180 m³ for the storage of 56.400 T of cereals.

The project includes:

- ✓ 10 silos model 22.92/14 of 7.518 m³ capacity each.
- ✓ Complex metal structures, catwalks of more than 3 meters wide that support doubly the loading of 200 T/h and specials towers.
- ✓ Turn-key project entirely made by Silos Cordoba.



2016 | MYA06 Myanmar

Plant conceived for the storage of corn.

The total capacity of the plant is 17.674 m³ for the storage of 13.250 T of corn.

The project includes:

- ✓ 4 silos model 16.81/15 of 4.167 m³ capacity each.
- ✓ 2 hopper silos model 5.35/9 45° of 262 m³ capacity each.
- ✓ 1 hopper silos model 6.11/13 45° de 515 m³ de capacidad.
- ✓ Drying and cleaning systems.
- ✓ Catwalks and towers.
- ✓ Handling equipment: Bucket elevators, belt conveyors and chain conveyors.
- ✓ Electrical panel.



Reference List

2017 | Niger02 Nigeria

Sorghum grain storage facility in Kaduna State, Nigeria.

The total capacity of the plant is 2.692 m³ for the storage of 2.000 T of sorghum.

The project includes:

- ✓ 2 flat bottom silos model 12.22/09 with a capacity of 1.336 m³ each.
- ✓ Ventilation and temperature control system.
- ✓ Chain conveyors and bucket elevators.
- ✓ Towers, catwalks, support structure for elevators and pre-cleaners.
- ✓ Complete cleaning system, including De-awner, Stone Separator and Magnetic Separator.
- ✓ Electrical panel and control system.
- ✓ The loading and unloading is done at 20 T/h.



2017 | Niger04 Nigeria

Turn key project conceived for the storage of maize and soy beans located at Kaduna State.

The total capacity of the plant is 54.585 m³ for the storage of 50.000 T of sorghum.

The project includes:

- ✓ 5 flat bottom silos model 24.45/22 with a capacity of 12.917 m³ each.
- ✓ Ventilation system
- ✓ Chain conveyors and bucket elevators.
- ✓ Loading and unloading is done at 250 T/h and 75 T/h.
- ✓ Towers, catwalks, support structure for elevators and pre-cleaners.
- ✓ Intake pit warehouse.
- ✓ Flow scale.
- ✓ Complete cleaning system, including De-awner, stone separator and magnetic separator.
- ✓ Electrical panel and control system.
- ✓ Complete assembly.



Reference List

2017 | Ngeria 05 Nigeria

Turn-key project conceived for the storage of maize and soy beans located at Ilorin.
The total capacity of the plant is 51.668 m³ for the storage of 40.000 T of cereals.
The project includes:

- ✓ 10 silos model 24.45/22 of 12.917 m³ capacity each.
- ✓ Ventilation system.
- ✓ Bucket elevators and chain conveyors.
- ✓ Load is done at 250 T/h.
- ✓ Unload is done at 75 T/h.
- ✓ Towers, catwalks, support structure for elevators and pre-cleaners.
- ✓ Intake pit warehouse.
- ✓ Flow scale.



Reference List

2017 | Irchenko Elevator Kazakhstan

This plant is conceived for the reception, storage and expedition of wheat.

The total capacity of the plant is 54.300 m³ for the storage of 40.750 T of cereals.

The project includes:

- ✓ 8 silos model 22.92/12 of 6.500 m³ capacity each.
- ✓ 4 silos model 6.88/6 60° of 352 m³ capacity each.
- ✓ 2 silos model 6.11/9 60° of 360 m³ capacity each.
- ✓ 2 silos train expedition modelo 4.65/3 60° of 88 m³ capacity each.
- ✓ Hopper Silo.
- ✓ Reception, loading and unloading at 100 TPH.
- ✓ 2 receiving hopper for trucks and 1 receiving hopper for train.
- ✓ 2 pre-cleaning and cleaning lines, 2 drying lines.
- ✓ Elevator tower designed to have inside the cleaning system and 10 bucket elevators with plant dimensions of 9,5x16 meters and 31 meters high.
- ✓ 2 semiautomatic bagging system.



Reference List

2017 | Capa Colonia Italy

First phase of plant conceived for the reception, storage and expedition of wheat.
The total capacity of the plant is 51.710 m³ for the storage of 38.800 T of cereals.
The project includes:

- ✓ 6 silos model 20.63/20 of 6.811 m³ capacity each.
- ✓ 1 hopper silo model 9.17/19 45° of 1.589 m³ capacity each.
- ✓ 3 hopper silos model 4.58/3 60° of 85 m³ capacity each.
- ✓ Handling equipment at 200 TPH designed for ATEX21 and ATEX22.
- ✓ Catwalks and supporting structures.
- ✓ Aspiration system.
- ✓ Cleaning system made up by drum sieve and sieve cleaning.



Reference List

2018 | Port of Antwerp Belgium

Grain terminal conceived for the storage of malt and barley.

The total capacity of the plant is 34.336 m³ for the storage of 25.750 T of cereals.

The project includes:

- ✓ 37 hopper silos model 07.64/16 45° of 928 m³ capacity each.
- ✓ New reinforced silo design for high grain transfer and flow rates, up to 400 T/h.
- ✓ Accessories to preserve the quality of grain: ventilation, temperature control system, level sensors, etc.
- ✓ Structures that are fully adapted to the project needs: stair tower, wide catwalks and different types of supports.
- ✓ Turn-key project entirely made by Silos Cordoba.



Reference List

2018 | DCOOP Spain

Plant conceived for the Storage of almonds.

The total capacity of the plant is 450 m³ for the storage of 200 T of almonds.

The project includes:

- ✓ 3 hopper silos model 5.35/4 60° with a total capacity of 149 m³.
- ✓ Loading is done at 40 T/h and unloading at 30 T/h.



2019 | SLK14 Sri Lanka

Plant conceived for the storage of paddy rice.

The total capacity of the plant is 5.400 m³ for the storage of 4.000 T of cereals.

The silos plant includes:

- ✓ 5 hopper silos model 10.70/08 45° of 1.073 m³ capacity each.
- ✓ Belt conveyors for loading and unloading.
- ✓ Insulation system.
- ✓ Aeration system: Centrifugal fans and grain cooler.
- ✓ Automatic temperature monitoring system.
- ✓ The complete project integration has been designed and supplied by Silos Cordoba.

Reference List

2019 | Owerri Nigeria

The silos are part of a feed mill factory project with a production capacity of 10 T/h.

The total capacity of the plant is 14.354 m³ for the storage of 10.750 T.

The project includes:

- ✓ 4 Flat Bottom Silos mod 16.04/13 – storage capacity per silo 3.317 m³.
- ✓ 2 Flat Bottom Silos mod 05.35/13 – storage capacity per silo 346 m³.
- ✓ 2 Hopper Silos mod 4.58/09 60° – storage capacity per silo 199 m³.
- ✓ All the necessary catwalks and supports.



2019 | Marie Brizard Poland

Silos for the storage of wood pellets with a special ventilation system

The total capacity of the plant is 1.000 m³ for the storage of 750 T of pellets.

The project includes:

- ✓ 2 hopper silos, model 6.11/12 with a 60° cone and a 1200 mm outlet, especially designed for
- ✓ the product flow.
- ✓ Loading and unloading is carried out through screw conveyors at 40 T/h in both silos.
- ✓ Special ventilation system designed for the cone of hopper silos model 6.11.



Reference List

2019 | Tonkeris Kazakhstan

Expansion of Tonkeris facility, conceived for the storage of wheat, barley, rapeseed, flax and sunflower.

The total capacity of the plant is 43.882 m³ for the storage of 33.000 T of cereals.

The project includes:

- ✓ 4 silos model 17.57/13 of 4.003 m³ capacity each.
- ✓ 4 silos model 22.92/13 of 6.573 m³ capacity each.
- ✓ 6 hopper silos model 5.35/9 (45°) of 263 m³ capacity each.
- ✓ 4 hopper silos model 7.64/10 (60°) of 659 m³ capacity each.
- ✓ 2 hopper silos model 1.85/2 (60°) for automatic weighing packer.
- ✓ Loading and unloading is done at 100 T/h.
- ✓ The conveying machinery – chain conveyors, belt conveyor, screw conveyors, bucket elevators – has been delivered by Silos Córdoba.
- ✓ Cereal sampling probe (DV company, made in Italy) supplied by Silos Córdoba.
- ✓ Grain analyzer Foss (Denmark).
- ✓ 2 units receiving pit for truck.
- ✓ Cleaning system consist of: rotatory drum cleaner 100 t/h, grain cleaner, aspiration and cyclone.
- ✓ 2 units vertical grain dryer machine 40 t/h.
- ✓ 2 bulk expeditions for train and also a third option for train expedition: 2 lines of packing grain in sacks including industrial automatic weighing packer and sewing machine.
- ✓ Electrical panel.
- ✓ Elevator tower 8×8, h=30 m.



Reference List

2019 | Jusegal Spain

Installation of hopper silos reinforced and equipped with pneumatic loading.

The total capacity of the plant is 1.170 m³ for the storage of 878 T of feed and wheat.

The project includes:

- ✓ 9 hopper silos model 3.50/9 65° with a capacity of 103.46 m³ each.
- ✓ 3 hopper silos model 3.05/9 65° with a capacity of 79.76 m³ each.
- ✓ Catwalks with access to all silos.



2019 | Sola de Antequera Spain

Plant conceived for the storage of quinoa.

The total capacity of the plant is 13.500 m³ for the storage of 10.125 T of quinoa.

The project consists of two phases:

First phase:

- ✓ 4 silos 10.70/13 45° with a capacity of 1,590.22 m³ each.
- ✓ 2 silos 6.11/10 45° with a capacity of 381 m³ each.
- ✓ Loading and unloading equipment 60 T/h.

Extension:

- ✓ 4 Silos 10.70/13 45° with a capacity of 1,590.22 m³ each.
- ✓ Chain conveyors for silo upload 45 T/h.
- ✓ Silos are provided with vibrators to facilitate discharge, thermometry and ventilation system.
- ✓ Catwalk for silo's maintenance.



Reference List

2019 | LLP Troyana Kazakhstan

Hopper silo for the storage of various types of crops, as well as compound feeds.
The total capacity of the plant is 512 m³ for the storage of 384 T of cereal.
The project includes:

- ✓ Hopper silo model 07.64/08 with a capacity of 512 m³.
- ✓ 50 T/h chain conveyor and bucket elevators for loading and unloading.



2019 | Malanje Angola

Plant conceived for the storage of quinoa.
The total capacity of the plant is 39.438 m³ for the storage of 29.500 T of cereal.
The project includes:

- ✓ 6 flat bottom silos model 22,92/12 of 6.573 m³ capacity each.
- ✓ Drying and cleaning systems.
- ✓ Handling equipment.
- ✓ Catwalks and towers.
- ✓ Electrical installation and automation.



Reference List

2020 | France03 France

Facility for the storage and handling of pellets.

The total capacity of the plant is 10.358 m³ for the storage of 7.770 T of cereal. The project includes:

- ✓ 2 flat bottom silos model 19.10/14 of 5.116 m³ capacity each.
- ✓ 1 hopper silo model 3.50/1 60° with a capacity of 22 m³.
- ✓ 1 hopper silo model 4.58/4 60° with a capacity of 104 m³.

The project includes the following structures:

- ✓ Elevator tower 5×5.5 h = 32.5m. Open structure, including a zig-zag inclined ladder.
- ✓ Elevator tower 0×3.0 h = 26.5m. Open structure, without ladder.
- ✓ Silo support tower 35×3.50 h = 21.5m. A catwalk rests on this structure.
- ✓ Support towers made of S350GD cold-formed galvanised frames.
- ✓ Catwalks made of S350GD galvanised frames. They include collective protection systems such as railings and a floor made of cold-formed galvanised sheet metal as well.
- ✓ Dispatch structure 5m long x 5.0m wide and a maximum height of 12.5m. Partially open structure for truck loading/unloading. The structure has a level on which a reversible conveyor is supported, and an upper level where a silo model S458/4 is supported. Inclined ladder to access the maintenance level. The enclosure is based on a substructure made of cold-formed, galvanised sheet S2201GD frames into which a trapezoidal sheet is screwed.



Reference List

2020 | Hortacha El Cosechero Spain

Plant conceived for the storage of tiger nuts.

The total capacity of the plant is 1.400 m³ for the storage of 1.050 T of cereal.

The project includes:

- ✓ 5 Silos 04.58/14 45° with a total height of 20.28 m and a capacity of 283.69 m³.
- ✓ Bucket elevator 30 T/h with automatic distributor for silos loading.
- ✓ Belt conveyors 30 T/h for silos unloading.
- ✓ Silos equipped with level detectors, ventilation system and thermometry.
- ✓ Slide systems at the silo entrance to avoid product breakage.



2020 | Francisco Morales Spain

Plant conceived for the storage of almonds.

The total capacity of the plant is 190 m³ for the storage of 143 T of cereal.

The project includes:

- ✓ 2 silos model 4.58/04 with a 45° cone, with a capacity of 95 m³ each.
- ✓ Both silos have been built inside the factory as a kind of buffer silos for the production lines.
- ✓ Without roof: to take advantage of their indoors location of the silos, such as being able to make an open discharge with the filling conveyors and to increase the height, and therefore the storage capacity.



Reference List

2020 | Esagroce Spain

Plant conceived for the storage of cereals located at Valladolid.

The total capacity of the plant is 19.000 m³ for the storage of 14.250 T of cereal.

The project includes:

- ✓ 4 flat bottom silos model 17.57/15 of 4.570 m³ capacity each.

Grain silos have steel structures that allow their support or the support of the handling equipment:

- ✓ The catwalk connects the existing factory with the elevator tower. This catwalk is 3 m wide and 68 m long, and houses 2 chain conveyors, with a capacity of 200 T/h each.
- ✓ The facade catwalk connects the main catwalk with the fire escape.
- ✓ The elevator tower is installed in facilities where the reception of grain is centralized in a group of elevators. In this case, the tower is made of tubular profile S275JR and is partially closed up to 11 m.
- ✓ The 6.5 m. high access ladder allows access to the pit where the conveyor, which leads the product to the elevators, is located.
- ✓ The intake pit warehouse – with a width of 6m, a height of 11 m and a length of 17.5 m – has a trapezoidal plate enclosure. The intake pit receives the product, that falls into the conveyor through a hopper.



Reference List

2020 | Vitam Hungary

Plant conceived for the storage of rice.

The total capacity of the plant is 2.511 m³ for the storage of 1.900 T of cereal.

The project includes:

- ✓ 6 hopper silos model 5.35/14 45° for rice of 390 m³ capacity each.
- ✓ 1 hopper silo model 3.82/4 60° of 66.95 m³ of capacity.
- ✓ 1 hopper silos model 4.58/4 60° of 104 m³ of capacity.
- ✓ Catwalks and supports.
- ✓ Ventilation system and thermometry.



Reference List

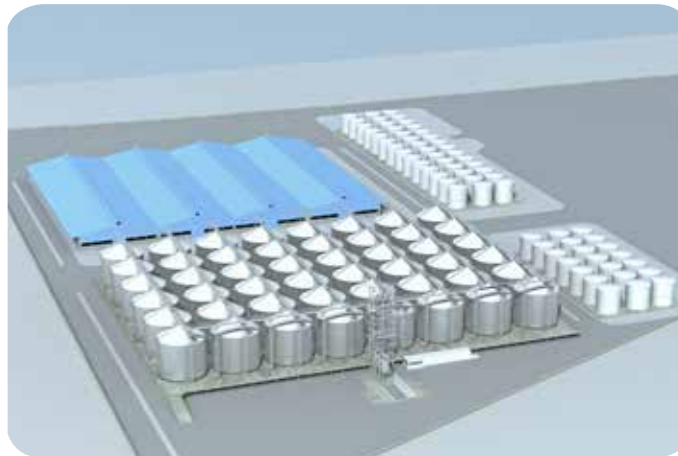
Under construction | NKF Iran

Plant conceived for the storage of soya bean, corn and wheat.

The total capacity of the plant is 489.792 m³ for the storage of 367.000 T of cereal.

The project includes:

- ✓ 48 silos model 24.45/17 of 10.204 m³ capacity each.
- ✓ Intake conveying capacity: 1.200 T/h (600 T/h double).
- ✓ Discharge capacity: 800 T/h (400 T/h double).



Reference List

Under construction | Bosand Bolivia

This plant is conceived for the reception, storage and expedition of soya bean and rice.

The total capacity of the plant is 69.958 m³ for the storage of 52.500 T of cereals.

The project includes:

- ✓ 8 silos model 22.92/15 of 7.990 m³ capacity each.
- ✓ 2 hopper silo model 7.64/11 45° of 667 m³ capacity each.
- ✓ 4 hopper silo model 6.88/6 45° of 322 m³ capacity each.
- ✓ 4 hopper silo model 9.17/6 45° of 762 m³ capacity each.
- ✓ 4 hopper silo model 5.58/2 60° of 66 m³ capacity each.
- ✓ 2 hopper silo model 3.50/4 60° of 52 m³ capacity each.
- ✓ Handling equipment capacity at 120 TPH using enclosed belt conveyors and standard belt conveyors.
- ✓ Catwalk with tunnel for belt conveyor with tripper for intermediate discharges.
- ✓ Cleaning, drying and continuous weighing system.
- ✓ Hopper Silo.
- ✓ Aspiration system.
- ✓ Electrical panel with SCADA and PLC.



Reference List

Under construction | Bosivir Bolivia

This plant is conceived for the reception, storage and expedition of soya bean.
The total capacity of the plant is 68.690 m³ for the storage of 51.500 T of cereals.
The project includes:

- ✓ 8 silos model 22.92/16 of 8.462 m³ capacity each.
- ✓ 2 silos model 7.64/5 45° of 353 m³ capacity each.
- ✓ 1 silo model 5.35/5 45° of 160 m³ capacity each.
- ✓ 2 silo model 4.58/5 60° of 66 m³ capacity each.
- ✓ Handling equipment capacity at 120 TPH using enclosed belt conveyors and standard belt conveyors.
- ✓ Catwalk with tunnel for belt conveyor with tripper for intermediate discharges.
- ✓ Cleaning, drying and continuous weighing system.
- ✓ Hopper Silo.
- ✓ Aspiration system.
- ✓ Electrical panel with SCADA and PLC.



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