SILOS CORDOBA

Company profile

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 around the world, 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.

Silos Córdoba, with over 40 years of experience in manufacturing metal silos for grain storage and transportation machinery, has long been recognized as a global leader in its field. Embarking on a new chapter in collaboration with SCG Silos Grupo, our company is committed to positioning itself among the top players in the metallic silo sector.

Following the cessation of operations of Silos Córdoba S.L. in February 2023, SCG has acquired the complete intellectual property of the company including engineering designs and the brand name, and other pertinent assets to revitalize the brand and re-enter the silo market.

SCG Silos Grupo is part of a prestigious Dubai-based company, a dynamic group with a diverse range of skills and experience. SCG has a specialized team capable of meeting your needs, no matter how challenging they may be.

Our team comprises former employees of Silos Córdoba, allowing us to retain the wealth of experience and knowledge accumulated over four decades in the manufacturing of silos and handling equipment.

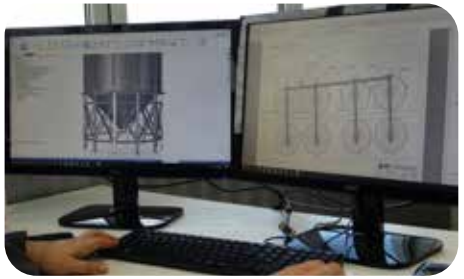
At SCG Silos Grupo, we are dedicated to upholding the high standards of quality and service that have defined Silos Córdoba for so many years. We offer an extensive selection of grain storage solutions, including flat bottom silos, hopper silos, bulk loading silos, and agricultural silos, as well as complete storage plants and turnkey solutions. With storage facilities in over 45 countries, Silos Córdoba has been assisting clients in planning and addressing their storage needs for over 40 years.

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.



SILOS CORDOBA

Reference List

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 | Campo Jerez Spain

Plant conceived for the storage of cereal to make animal feed. The total capacity of the plant is 24.000 m^3 for the storage of 18.000 T of cereal.
The project includes:

- √ 6 silos model 13.75/13 of 2.400 m^3 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.

2003 | Unión Arrocera Spain

Plant focused on storage, cleaning and drying of rice.
The total capacity of the plant is 19.500 m^3 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 m^3.
- √ It has a ventilation system with 2 turbines per silo with a flow volume of 32.000 m^3.
- √ 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 m^3 for the storage of 68.250 T of cereal.
The project includes:

- √ 84 hopper silos 45° model 7.64/16 of 928 m^3 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 m^3 for the storage of 542.500 T of cereal.
Each project includes:

- √ 6 silos model 18.33/9 of 3.173 m^3. The total capacity of each plant is 19.038 m^3 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 m^3 for the storage of 72.000 T of cereal.
The project includes:

- √ 17 silos model 20.63/15 of 5.906 m^3 capacity each.

Reference List

2005 | AG Project Poland

Plant conceived for the storage of cereal.
The total capacity of the plant is 29.699 m^3 for the storage of 22.275 T of cereal
The project includes:

- √ 6 silos model 18.33/14 of 4.677 m^3 capacity each.
- √ 1 hopper silo model 4.58/4 with 95 m^3 of capacity.
- √ 2 hopper silos model 7.64/13 of 771 m^3 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 m^3 for the storage of 27.800 T of cereal.
The project includes:

- √ 2 silos model 9.17/8 of 661 m^3 capacity each.
- √ 6 silos model 12.22/14 of 2.010 m^3 capacity each.
- √ 20 hopper silos model 4.58/7 of 157 m^3 capacity each.
- √ 6 silos model 14.51/6 of 3.427 m^3 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 m^3 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 m^3.
- √ 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 m^3 capacity each.

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 m^3 for the storage of 10.000 T of cereal.
The project includes:

- √ 10 silos model 9.17/13 of 1.338 m^3 capacity each.

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 | Cerejeira Portugal

Project for a compound feed manufacturing plant (5 T/h).
The total capacity of the plant is 1.200 m^3.
The project includes:

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

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 m^3 for the storage of 200.000 T of cereal.
The project includes:

- √ 16 silos model 27.50/22 of 16.468 m^3 capacity each.
- √ 5 hopper silos model 8.40/11 45° for receipt of 817 m^3 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 m^3 for the storage of 14.500 T of cereal.
The project includes:

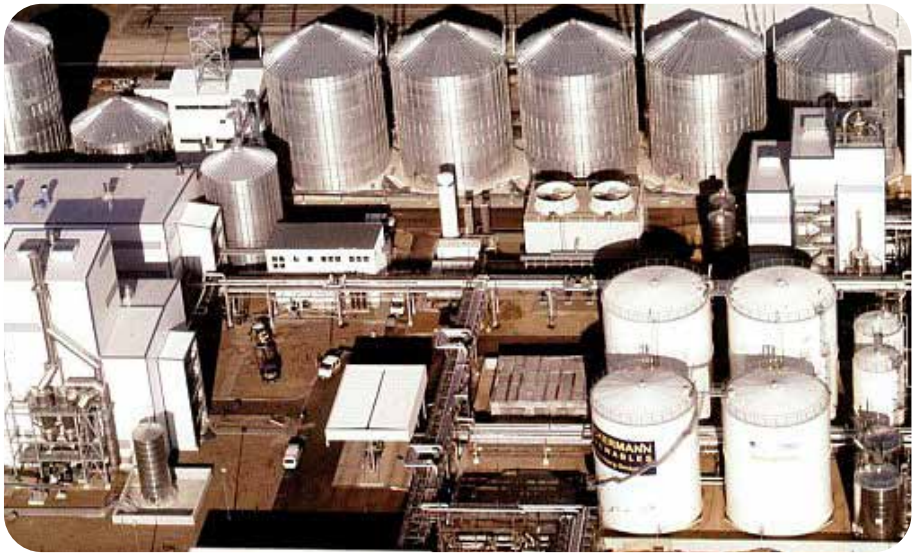
- √ Manufacture and assembly of 5 flat silos model 16.81/14 of 3.901 m^3 capacity each.
- √ Continuous flow scale at the entry and at the expedition from silos to railroad and trucks.
- √ The project includes as well ventilation and temperature monitoring systems and clearing machines.
- √ Regarding 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

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 m^3
- √ It includes a bulk load system and baling machine.
- √ Silos Córdoba has provided the full automation.

2009 | Too Urozhay Kazakhstan

Plant focused on the storage of cereals.
The total capacity of the plant is 60.840 m^3 for the storage of 46.000 T of cereals.
The project includes:

- √ 10 silos model 22.92/11 of 6.084 m^3 capacity each.
- √ Filling up is done at 200 T/h and train unloading is done at 200 T/h.

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 m^3 for the storage of 164.000 T of cereal.
The project includes:

- √ 17 silos model 24.45/22 of 12.880 m^3 capacity each.
- √ Filling up is done at 1.200 T/h.

Reference List

2010 | Belchimtrans Belarus

Plant conceived for the storage of rape.
The total capacity of the plant is 18.708 m^3 for the storage of 14.000 T of cereal.
The project includes:

- √ 4 silos model 18.33/14 of 4.677 m^3 capacity each.
- √ Filling up is done at 100 T/h and unloading at 50 T/h.
- √ This project includes elevators, chain coveyors and sweepers.

2012 | Dan Kazakhstan

Project conceived for the storage of wheat and barley.
The total capacity of the plant is 15.837 m^3 for the storage of 11.875 T of cereals.
The project includes:

- √ 3 silos model 18.33/16 of 5.279 m^3 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

2011 | Cefusa Spain

Project conceived for the storage of corn and barley.
The total capacity of the plant is 82.340 m^3 for the storage of 61.750 T of cereal.
The project includes:

√ 5 silos model 27.50/22 of 16.468 m^3 capacity each.

Reference List

2011 | Agroeks Prima Slovakia

Project conceived for the storage of cereals.
The total capacity of the plant is 71.548 m^3 for the storage of 54.000 T of cereals.
The project includes:

√ 2 silos model 41.25/20 of 35.774 m^3 capacity each and 34,70 m height.

Reference List

2012 | Tiryaki Turkey

Project conceived for the storage of wheat and canola.
The total capacity of the plant is 250.168 m^3 for the storage of 200.000 T of cereal.
The project includes:

- √ 19 silos model 18.33/22 of 7.110 m^3 capacity each.
- √ 11 silos model 14.51/22 of 4.395 m^3 capacity each.
- √ 27 truck loading silos mod. 4.65/6 of 147 m^3 capacity each.
- √ 4 45° conic silos model 9.17/12 of 1.063 m^3 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 m^3 for the storage of 20.750 T of cereals.
The project includes:

- √ 8 silos model 16.81/12 of 3.395 m^3 capacity each.
- √ 1 silo model 6.11/8 of 314 m^3 capacity each.
- √ 4 hopper silos model 3.50/4 45º of 52,36 m^3 capacity each.
- √ Loading and unloading is done at 100 T/h.
- √ The conveying machinery has been delivered by Silos Cordoba.

Reference List

2013 | Tonkeris Kazakhastan

Plant conceived for the storage of wheat.
The total capacity of the plant is 17.020 m^3 for the storage of 12.800 T of cereals.
The project includes:

- √ 4 silos model 17.57/13 of 4.003 m^3 capacity each.
- √ 3 hopper silos model 5.35/9 (45°) of 262 m^3 capacity each.
- √ 3 truck loading silos model 3.50/6 (60°) of 74,07 m^3 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 m^3 for the storage of 14.600 T of sunflower.
The project includes:

- √ 6 silos model 14.51/16 of 3.247 m^3 capacity each.
- √ Loading and unloading is done at 150 T/h.

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 m^3 for the storage of 6.000 T of cereals.
The project includes:

- √ 6 silos model 12.22/9 of 1.341 m^3 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.

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 m^3 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 m^3 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.

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 m^3 for the storage of 14.600 T of rice.
The project includes:

- √ 6 silos model 14.51/16 of 3.247 m^3 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 m^3 for the storage of 9.200 T of cereals.
The project includes:

- √ 3 silos model 18.33 of 4.100 m^3 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 m^3 for the storage of 33.800 T of cereal.

The project includes:

- √ 8 flat silos model 19.10/13 of 4.700 m^3 capacity each.
- √ 14 hopper silos model 6.11/9 of 361 m^3 capacity each.
- √ 36 truck loading silos model 3.50/5 of 68 m^3 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.

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 m^3 capacity each.

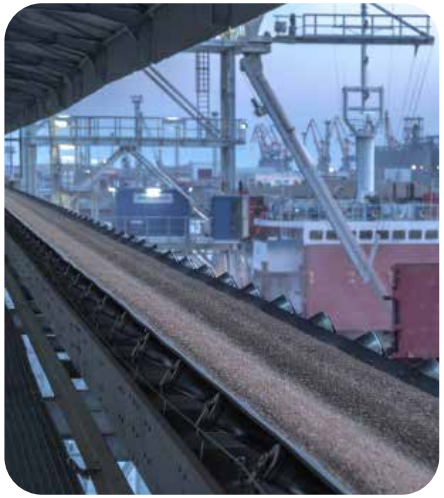
The storage plant can be divide into three main areas of work:

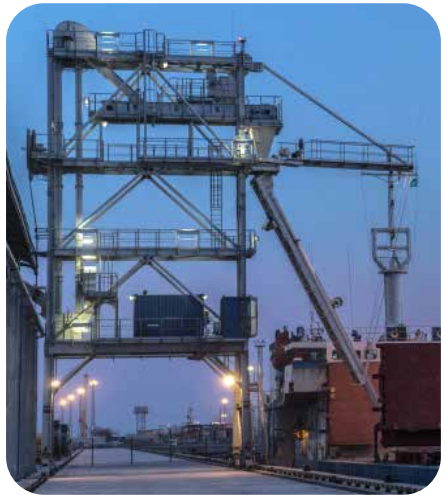
- √ Reception of cereals at 500 T/h.
- √ Storage of cereals.
- √ Dispatch of cereal from silos to ship at 500 T/h through a ship loader.

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

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 m^3 for the storage of 80.000 T of cereals.
The project includes:

- √ 6 silos model 32.08/16 of 17.237 m^3 capacity each.
- √ 4 silos model 9.17/12 45° of 1063 m^3 capacity each.
- √ 10 silos model 6.88/08 60° of 425 m^3 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

2017 | Irchenko Elevator Kazakhastan

This plant is conceived for the reception, storage and expedition of wheat.
The total capacity of the plant is 54.300 m^3 for the storage of 40.750 T of cereals.
The project includes:

- √ 8 silos model 22.92/12 of 6.500 m^3 capacity each.
- √ 4 silos model 6.88/6 60° of 352 m^3 capacity each.
- √ 2 silos model 6.11/9 60° of 360 m^3 capacity each.
- √ 2 silos train expedition modelo 4.65/3 60° of 88 m^3 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 m^3 for the storage of 38.800 T of cereals.
The project includes:

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

Reference List

2017 | Dormarunt Romania

Plant conceived for the storage, cleaning and drying of cereals.
The total capacity of the plant is 5.380 m^3 for the storage of 4.050 T of cereal.
The project includes:

- √ 4 silos mod. 12.22/09 of 1.345 m^3 capacity each.
- √ Drying and cleaning systems.
- √ Grain temperature monitoring system.
- √ Bucket elevators and chain conveyors.
- √ Electrical panel.

2018 | ADF02 Poland

Plant conceived for the storage of cereal
The total capacity of the plant is 10.790 m^3 for the storage of 8.100 T of cereal.
The project includes:

- √ 2 hopper silos mod. 6.11/12 60° of 471 m^3 capacity each.
- √ Catwalks and supports
- √ Loading and unloading is done at 45 T/h by screw conveyors.
- √ Ventilation and termometry.

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 m^3 for the storage of 25.750 T of cereals.

The project includes:

- √ 37 hopper silos model 07.64/16 45° of 928 m^3 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 m^3 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 m^3.
- √ Loading is done at 40 T/h and unloading at 30 T/h.

2018 | Vertex Kazakhstan

Plant conceived for the storage of cereal
The total capacity of the plant is 3.350 m^3 for the storage of 2.152 T of cereal.
The project includes:

- √ 1 silo mod. 14.51/11 of 2.312 m^3 of capacity.
- √ 3 silos mod. 5.35/13 of 346 m^3 capacity each
- √ Handling equipment: Bucket elevators chain conveyors and sweepers.
- √ Elevator towers.
- √ Electrical panel.

Reference List

2019 | Tonkeris Kazakhastan

Expansion of Tonkeris facility, conceived for the storage of wheat, barley, rapeseed, flax and sunflower.
The total capacity of the plant is 43.882 m^3 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 Kazakhastan

Hopper silo for the storage of various types of crops, as well as compound feeds.
The total capacity of the plant is 512 m^3 for the storage of 384 T of cereal.
The project includes:

- √ Hopper silo model 07.64/08 with a capacity of 512 m^3.
- √ 50 T/h chain conveyor and bucket elevators for loading and unloading.

2019 | Marie Brizard Poland

Silos fot the storage of wood pellets with a special ventilation system
The total capacity of the plant is 1.000 m^3 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

2020 | France03 France

Facility for the storage and handling of pellets.

The total capacity of the plant is 10.358 m^3 for the storage of 7.770 T of cereal. The project includes:

- √ 2 flat bottom silos model 19.10/14 of 5.116 m^3 capacity each.
- √ 1 hopper silo model 3.50/1 60° with a capacity of 22 m^3.
- √ 1 hopper silo model 4.58/4 60° with a capacity of 104 m^3.

The project includes the following structures:

- √ Elevator tower 5×5.5 h = 32.5m. Open structure, including a zig-zag inclined ladder.
- √ Elevator tower 0x3.0 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 m^3 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 m^3.
- √ 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 m^3 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 m^3 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 m^3 for the storage of 14.250 T of cereal.
The project includes:

- √ 4 flat bottom silos model 17.57/15 of 4.570 m^3 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 m^3 for the storage of 1.900 T of cereal.
The project includes:

- √ 6 hopper silos model 5.35/14 45° for rice of 390 m^3 capacity each.
- √ 1 hopper silo model 3.82/4 60° of 66.95 m^3 of capacity.
- √ 1 hopper silos model 4.58/4 60° of 104 m^3 of capacity.
- √ Catwalks and supports.
- √ Ventilation system and thermometry.

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