



# CESCO

PETKUS Engineering GmbH is now CESCO EPC GmbH

Advanced Solutions  
for Grain Handling,  
Storing and Processing.



# Who is CESCO and Business Areas

CESCO EPC GmbH, formerly known as PETKUS Engineering GmbH, is an internationally operating German company based in Wutha-Farnroda and Konstanz, which designs and supplies industrial plants for grain logistics and deep processing with handling, storing and milling systems.

The products and services offered by CESCO are mainly divided in four business areas.

30 grain terminals with 1.836.000 mt of storage capacity worldwide since 2009.

4 deep processing plants for a total milling capacity of 2.660 t/d since 2009.



Domestic Grain Terminals



Inland Grain Storage Plants



Grain Port Terminals



Dry Milling Plants  
for Deep Processing



## Regions

CESCO is currently developing global projects and facilities in more than 15 countries, highlighting among others, the following areas of influence:

Europe, Ukraine, Russia, Kazakhstan, Middle East, Far East and Africa.





# How we do it, and why choose us

We offer to our clients reliable delivery times, personalized professional solutions, technology and quality guaranteed and backed by decades of experience executing projects all over the world.

Our lean structure, our flexible and dynamic processes as well as efficient tools allow us to fulfill the expectations of our customers and employees.

We are members of the **CESCO Group** and we complement the product portfolio of our subsidiary, participated and partner companies, such as **SIMEZA, MMW, MECC 2000, TECHNOBINS** and **TECFLAM**.

**CESCO** has an extensive international experience in large project management with a complete portfolio for Handling Storing and Processing of Grain, including the technological expertise in Dry Milling.

Always faithful to our value proposal, “Smart Concept, Easy Operation”, **CESCO** is a reliable partner for investors.

**Smart concepts of tailor-made plants for the benefit of the customer**

**Internal basic and fine engineering including static design of steel structures**

**Industrial design of manufacturing process**

**Special attention for efficiency of operation and energy saving**

**German Engineering, made in Europe**

**Family owned company, short hierarchy, quick decisions, strong commitment**



**CONCEPT  
ENGINEERING**



**PROJECT  
MANAGEMENT**



**PROCUREMENT**



**CONSTRUCTION  
TURN-KEY**



# Product Portfolio

## Conveyors



### Chain Conveyors CC



Developed from more than 50 years of experience in conveying equipment, engineered with flexible concept and modular design, for horizontal or slightly inclined conveying of grain, flours, pellets, and granular products in general.

### Roller Belt Conveyors RBC



Designed for long conveying length with low energy consumption and long machine life. Thanks to the self-cleaning natural system and to the special shape of the inner part of the cases, belt conveyors are indicated when cross-contamination between different products must be prevented.

### Bucket Belt Elevators BBE



Realize the completely enclosed vertical conveying of the product, with zero loss during the conveying, easy cleaning and maintenance and safety during operation thanks the complete bolted design implemented and the rounded shape of both tail station and drive station.

## Silos



### Cylindrical Silos



Available in a wide range of standard dimensions, with individual capacity up to 2.000 m<sup>3</sup> (hopper silos) and 25.000 m<sup>3</sup> (flat bottom silos). Modular and fully bolted design for easy transport and assembly with full set of accessories. Made of high-strength steel with high zinc coating.

### Prismatic Silos



Hopper silos for temporary storing, outloading, dosing, weighing, preparation of mixture for the processing section. Modular, fully bolted design, with corrugated or smooth walls allowing up to 400 m<sup>3</sup> of individual capacity. Integrated into the entire steel structure of a processing plant, also in existing spaces. Made of stainless steel or high-strength steel coated with a high zinc coating or food-safe paint.

### Buffer Bins



Smooth wall hopper silos for intermediate storing in every phase of a processing plant. Available in a variety of standard dimensions up to 100 m<sup>3</sup> individual capacity for indoor installation as single bin or in clusters. Made of stainless steel or high-strength steel coated with a high zinc coating or food-safe paint.



# We have a long experience in the execution of complex international plant projects

## Process equipment

PRE

### Dryers



Continuous flow dryers with direct and indirect heating systems for gentle dehumidification of grain with conical air ducts and use of various heating systems. Designed with high recirculation of process air for energy savings. Full set of accessories available, such as complete heat and sound insulation, continuous control of moisture reduction, exhaust air filter, fire protection.

### Milling Equipment for Deep Processing



Wheat/pea starch and proteins are obtained mainly using the wet separation process from wheat/pea flour. Therefore, special Dry Milling diagrams were developed to achieve the flour granulation profiles required by the various wet technology suppliers. Highest yield on flour and starch, minimal starch damage, full utilization of by-products.

### Spot Filters and de-Ironing Magnetic Separators



Miniature jet filter for immediate suction and filtration of dust, in horizontal and vertical conveying systems with separate automatic cleaning of filter bags.

Compact boxes with magnet plates and rods for the separation of ferromagnetic foreign particles in dry, free flowing bulky products.

## Steel Structures

STS

### Engineering



Complete internal architectural and functional design by 3D FE software static calculation of all steel structures of a plant.

### Available designs



Standard steel structures, such as conveyor bridges, open or closed walkways, platforms, ladders for safe and easy operation, maintenance, and service of the plant.

Custom-made, contract specific steel structures, such as entablatures and solid frames to support process machines or sections.

### Machinery Tower



Contract specific machinery towers, or shed, designed for the installation of a complete plant, including multi-floor support of process machines, silo blocks, stairs, roofing and cladding.



“The experience gained over the years combined with a strong commitment to excellence and a young, dynamic team make CESCO a professional partner for realizing advanced grain plant solutions around the world.”

Luca Celeghini, PETKUS Technologie shareholder and CEO up to 2015, CESCO President.



“Throughout the years of operation in the business we have realized that the key for the successful operation of the plant lies in understanding clients needs at the very beginning of a project and in creating in close cooperation with the client a tailored, smart concept of the plant.”

Martino Celeghini, CESCO CEO.



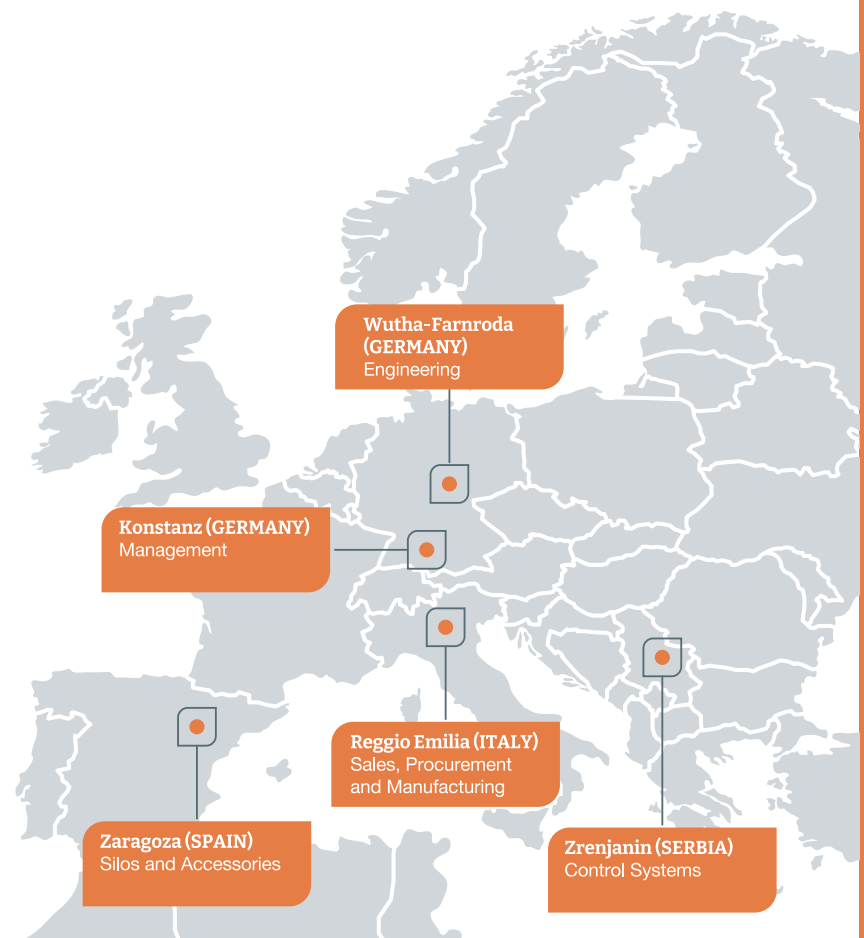
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## Smart Concept, Easy Operation.