

MAXIMUM BULK STORAGE

For more than 20 years Silo Construction and Engineering (SCE) NV, of Belgium, has been working in all sectors of industry where bulk goods are stored. Since its establishment in 1988, the company produces and assembles entire turn-key silo buildings.

Because of its long experience and knowledge, SCE's team of engineers has become well-known throughout the world.

SCE earned its merits in the feed industry.

Since its establishment, the company has produced and assembled entire turn-key silo buildings. Hence the name Silo Construction and Engineering

Functional design and practical advice in the field of silo construction are of crucial importance. Every project needs to be custom made.

After preliminary research, SCE's team of engineers makes a profound stability study. This results in a basic plan which provides the basis of the contemporary and high-quality silo construction.

Know-how in all aspect of engineering provides an advantage from the start of any project.

For example, in February 2009 SCE has been approved to the quality management system ISO9001:2008, which is applicable for the initial design

to final product, including associated welding controls.

Silos made by SCE are designed and constructed for the storage of both granular and powdered products. Quality goes hand-in-hand with long experience, know-how and efficiency.

The principle of system building offers a broad choice of dimensions and wall types.

However, SCE is not only familiar with silos, but also with the design, supply and

assembly of complete projects and applies the following principles: The German DIN Standard 1055 and processing of materials by people qualified in welding techniques.

VCA-qualified staff professionally assemble and install high-quality material.

During assembly, all international industrial and safety standards are observed. SCE also provides services (sales and service) for projects such as transport installations, storage tanks, etc.



SCE's modular construction form



View on bin top of silo in construction



Machinery on bin top

Minimising space waste

Square SCE silos are of rectangular cross section and consequently are far less wasteful of space.

On the same surface you can store 27 percent more in a rectangular silo than in a cylindrical one. Bearing the current ground prices in mind, this makes a valuable cost-reduction in a building project based on costs per cubic metre stored.

Because its structures are self-supporting it is possible to incorporate machine floor, control room, warehousing, etc within the overall framework. This cannot be done with a battery of cylindrical silos and extra expense has to be incurred construction a separate building for this purpose.

As its silos are integrated during the production process their construction can limit the use of expensive bucket elevators and conveyors. This construction approach also offers a plain 'bin top' that neatly seals the silos and enables easy passage.

SCE can foresee filling holes, man-holes, adapters for the installation of level measurement, opening for filters, etc and located them in the 'bin top'.

The self-supporting SCE design also allows for a roof to be built above the silos, thus providing enhanced weather protection as well as providing safer and more comfortable working conditions for maintenance personnel. These silos are of modular construction, which allows for existing storage

capacity to be increased cost-effectively at a later date, if necessary.

There is a wide choice of available rectangular cell sizes and tailor-made designs.

Wall types fall into two categories; 'sandwich walls' with smooth surfaces on both sides and 'profile walls'. Wall angles of the 'profile wall' are 135 degrees; this factor combined with optimum hopper geometry ensures reliable gravity discharge.

For difficult flowing products, SCE has developed its own extracting grid slides for extracting high volumes, but allowing dosing at the same time. This system avoids bridges and rat holes. Several factories have been equipped with these grid slides and have met with a high degree of satisfaction from their owners.

In the past year SCE has finished projects in feedmills in Belgium, Netherlands, France, Russia, Poland, Czech Republic and Hungary, in fishfeed plants in Norway and coffee bean facilities in The Netherlands, Italy and Germany and has several new projects under way.

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The silos can be easily integrated in existing factories



Silo system tailored to your needs.
Optimize profits with maximum storage.

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Silo construction & Engineering

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