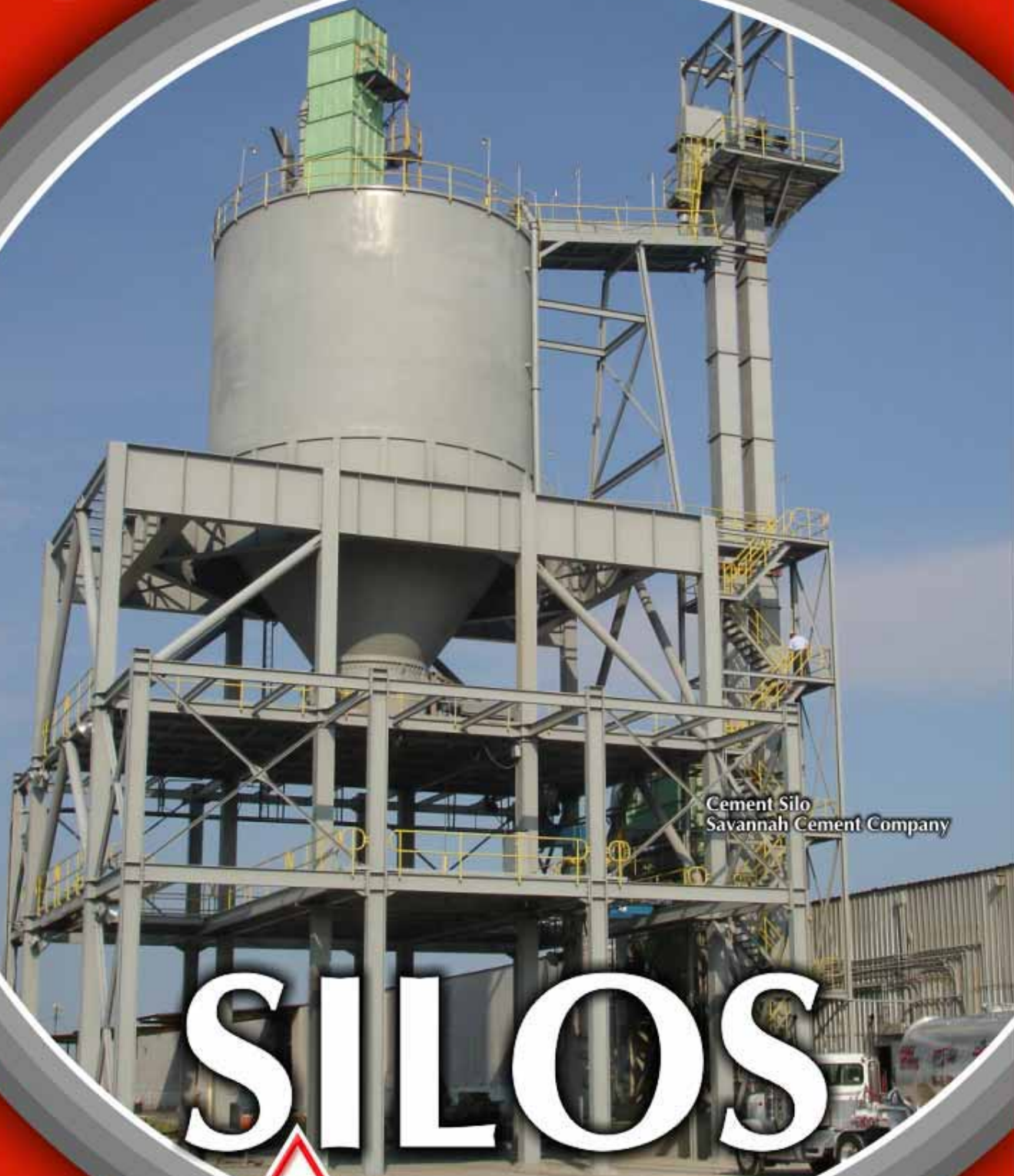


Steel Structures

Quality and Engineering at a Country's Service



Cement Silo
Savannah Cement Company

SILOS



 **INDUSTRIAS CENO S.A.**
Leadership in Engineering and Quality



We are leaders in Colombia in steel silo design, manufacture, and erection for inorganic material like cement, lime, feldspar, clinker, and coal storage.

Through our 50-year experience, we have developed projects for many companies nationally and internationally and we have participated in the main engineering Colombian projects to strengthen the industrial sector.

At Industrias Ceno S.A., we have a highly specialized team for every area involved in the product development that, complemented to our appropriate production technologies and our quality assurance system implementation in every process, guarantees an optimal quality product.

In our portfolio, we offer standardized silos for up to 2,000 metric tons capacity; however, we can manufacture them according to the customer needs. That is why diameters vary depending on the final storage capacity; roofs vary depending on the material rest angle, usually between 10° and 30°; and the bins vary depending on the fluidity characteristics of material to be stored.



Our silos are manufactured using two different techniques bolted and welded and are supplied with or without the mounting structure that can vary depending on the discharge system design.



E-mail: obras@industriasceno.com

Welded Silos and Tanks

Welded silos are the most commonly used in our environment due to construction speed, transportation versatility, and installation easiness.

We offer at our facilities silo assembling of up to 45 metric tons, to reduce erection costs. For larger capacities, we offer in-site erection since we have the know how and the technical experience to develop this tasks effectively complying with all the height safety standards.





Customer/ **CEMENTOS ARGOS S.A.**

Location

Medellín - Colombia

Completion

2006

Project coverage

45 metric tons cement storage silos manufacture

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Customer/ **CEMENTOS ARGOS S.A.**
SAVANNAH CEMENT COMPANY

Location

Savannah Port - GA (USA)

Completion

2005

Project coverage

One 1,000 metric tons cement storage silo design, manufacture, and supply.





 **SUMICOL S.A.**

Customer/ **SUMICOL S.A.**

Location

Ibagué - Colombia

Completion

2003

Project coverage

Design, manufacture, and installation of fifteen 238 metric tons, 4.50 meters diameter, and 21.0 meters tall feldspar storage silos. They were mounted on two six-silo batteries and one three-silo battery.



Customer/ **HOLCIM DE COLOMBIA**

Location

Boyacá - Colombia

Completion

2003

Project coverage

Design, manufacture, and installation of six 100 m³ and 200 m³ limestone, dry clinker, and dry pozzolana storage silos.





Peldar

Customer/ **CRISTALERÍA PELDAR S.A.**

Location

Envigado - Colombia

Completion

2004

Project coverage

An 11.63 meters external diameter and 7.32 meters tall cylindrical vertical fire prevention water storage tank design, manufacture, and installation.



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Customer/ **COMPAÑÍA PINTUCO S.A.**

Location

Rionegro - Colombia

Completion

2005

Project coverage

Design, manufacture, and installation of twenty-eight 80 meters tall vertical solvent and resin storage tanks and sixty 600 to 4,000 gallon dilution tanks.

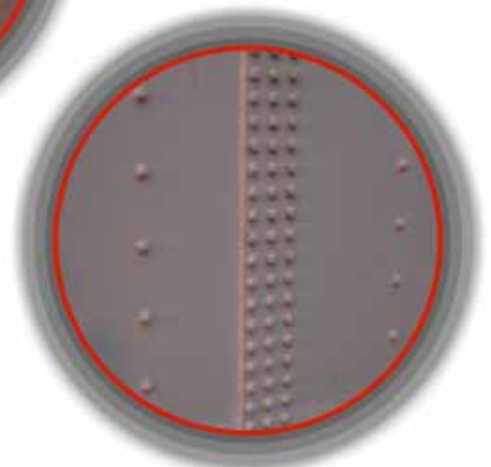
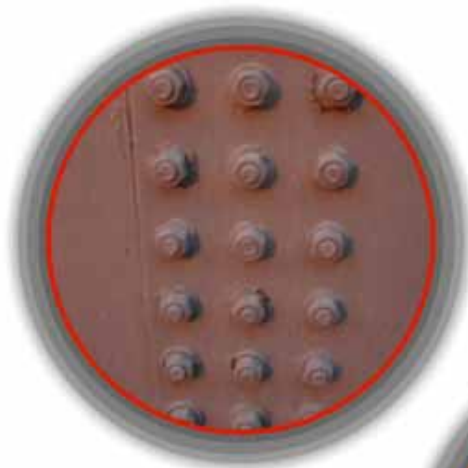




Bolted SILOS

Bolted silos are an excellent alternative for projects where qualified labor is not available for the erection process or when the silo is meant to be moved in the future. They are drilled steel-sheet manufactured in our facilities and they are assembled together with bolts, making the erection process very fast. Each part is pre-assembled in our plant to guarantee in-site right fitting.

We offer in-site erection since we have the know how and the technical experience to develop this tasks effectively complying with all the height safety standards.





Customer/ **CEMENTOS ARGOS S.A.
MEDELLÍN DISTRIBUTION CENTER**

Location

Medellín - Colombia

Completion

2005

Project coverage

Moving, cleaning, painting, and erection of three silos to the Argos logistics facilities





Customer/ **CEMENTOS ARGOS S.A. -NARE PLANT**

Location

Puerto Nare - Colombia

Completion

2000

Project coverage

Two 2,000 metric tons cement storage screwed silos moving and installation.

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Customer/ **CEMENTOS ARGOS S.A. - NARE PLANT**

Location

Puerto Nare - Colombia

Completion

2000

Project coverage

**Two 2,000 metric tons cement storage
screwed silos moving and installation.**





 **SUMICOL S.A.**

Customer/ **SUMICOL S.A.**

Location

La Unión - Colombia

Completion

2004

Project coverage

A 482 M³ mud receiver tank manufacture and installation.

Designed by ERAL Equipos y Procesos S.A.

Customer/ **ANTIOQUEÑA DE PORCINOS S.A.**

Location

San Antonio de Prado - Colombia

Completion

2001

Project coverage

A 10 meters diameter galvanized tank design, manufacture, and installation.





Customer/ **CEMENTOS ARGOS S.A. - CORPORACIÓN DE CEMENTO ANDINO**

Location

Trujillo State - Venezuela

Completion

1999

Project coverage

One 4.76 meters diameter, 18.40 meters tall uppermost part, 224 metric tons clinker storage screwed silo manufacture and installation.



Customer/ **CEMENTOS ARGOS S.A.**

Location

Porce II hydroelectric project - Colombia

Completion

1996

Project coverage

Cement and pozzolana silo and mounting structure design, manufacture, and installation. Four 2,000 metric tons screwed silos and three 1,000 metric tons silos.





Steel Structures

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Main Customers



Silos and tanks

CEMENTOS ARGOS S.A.:

NARE PLANT
RIOCLARO PLANT
VALLE PLANT
ANDINO PLANT
COLCLINKER PLANT
SAVANNAH CEMENT COMPANY



Buildings and platforms

GRUPO CORONA:

SUMICOL
COLCERAMICA
ELECTROPORCELANA GAMA S.A.

METRO DE MEDELLÍN

CAFÉ DE COLOMBIA S.A.

CONCRETO S.A.

CONVEL

A.I.A.

HOLCIM S.A.



Towers



Roofing



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Exports



Silo - Savannah Cement Company - USA



Corporación de Cemento Andino, Roofing, Venezuela



Corporación de Cemento Andino, Silos, Venezuela



Substation, Platform, Mexico





Lyophilized facilities **roofing**
Lyophilized coffee factory
Chinchiná, Caldas / Colombia

 **Steel Structures**
Quality and Engineering at a Country's Service

Cable Tray System Orbitel S.A.
Medellín, Antioquia / Colombia

MECANO
Lider in Cable Tray Systems

Selective Racking Almacenes EXITO
Las Vegas, Distribution Center
Envigado, Antioquia / Colombia

ALMACENO

Highway guardrail
Medellín Bogotá Highway Exchange
Guarne, Antioquia / Colombia

Highway guardrails 
We work for your safety

 **INDUSTRIAS CENO S.A.**
Leadership in Engineering and Quality

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