

# REFERENCE LIST

Last Update: March - 2022



## ACICO CEMENT – Kuwait

### Second Order for a New Cement Mill.

**EP****2019**

- CEMENGAL has been awarded with a new contract for the supply of 2nd Cement grinding station to ACICO Cement consisting of a complete cement mill workshop; Main equipment to be included within this new contract is related to a 5,200 Kws ball mill fully engineered by CEMENGAL with all the peripheral equipment and a 4th generation classifier from Magotteaux XP4i-130 for high quality cements. The projected grinding capacity will be 1MTpy of cement and the plant will be commissioned within the first half of 2020.
- Scope of the project will include Full Engineering and complete supply of Mechanical, Process, Electrical & Automation equipment as well as the Steel manufacturing from the raw materials handling areas up to the silos cement discharge. In addition to the technology delivery, the site supervision, training & commissioning activities will be fully provided by CEMENGAL at the plant's site. This is the second project awarded by ACICO to CEMENGAL and will help our Kuwaiti client to satisfy the growing demand of high quality cements for major infrastructures developments.

## LHOIST – New Silos Terminal. Handling and storage of Lime / Dolime products

### Lime and dolime handling and storage Terminal

**EPC****2018**

- Unloading system from bulk boats into the jetty.
- Conveying system to 6 steel silos for storage of lime / dolime and other products.
- Extraction system from silos up to bulk devices as well as further material screening.
- Final silos for storage and expedition of different range of lime products
- Prefabricated room for electrical as well as laboratory process equipment

## CRH DUNBAR – Scotland, United Kingdom

- 1 Vertical Mill unit with a production capacity of 450.000 t/y: VRM OK-37.3 and 1,300kW installed power at mill shaft.
- Scope of supply includes retrofitting of the existing feeding infrastructure as well as the cement pneumatic transport into the existing storage silos.

**EPC****2018**

## OMAN CEMENT COMPANY – Sultanate of Oman

- Modification of 2 existing cement grinding circuits to upgrade up to 25% extra capacity. Scope includes detailed design: Process engineering, steel and civil works and complete M&E disciplines. Supply of equipment ranges from cement feeding, mills upgrade, new classifiers (latest generation), filtration units and cement conveying to existing silos. Complete electrical & Automation infrastructure. Equipment supplies are completed with site installation works and commissioning of the 2 upgraded circuits.

**EPC 2017**

### **HOLCIM-SOCIMAT – Abidjan, Ivory Coast**

- Cement grinding station consisting of a bin house; a complete ball mill circuit of 4,500 Kws with a high efficiency classifier and a bag filter of 200.000 m<sup>3</sup>/h. Scope of supply includes also cement transfer system to existing silos, a new cement dispatching system and upgrade of additional cement grinding circuits.

**EPC 2016**

### **ACICO CEMENT – State of Kuwait**

- Cement grinding station consisting of a complete mill workshop; a 5,200 Kws ball mill with all the peripheral equipment and a 4th generation classifier from Magotteaux XP4i-130. Grinding capacity: 1MTpy of OPC; Engineering scope includes all complete engineering with Civil, Steel, Mechanical, Process, Electrical & Automation disciplines. Workshop includes all the necessary M&E equipment and steel manufacturing from the raw materials handling areas up to the silos cement discharge.

**EP 2016**

### **UNACEM ECUADOR – Cementos Selva Alegre, Otavalo (Ecuador)**

- Supply of 1 steel silo with a cement storage capacity of 2,000ton. Scope includes detailed design, steel works and complete M&E infrastructure. Supply of equipment ranges from cement feeding, complete storage, unloading and conveying to bulk loading and packing areas.

**EP 2015**

### **CIMENT MOLINS – Sotacib Tunisia**

- Modification and upgrade for fuel substitution at 2 white cement kilns. Complete system of handling, feeding and burning of ground petcoke on EP basis.

**EP 2015**

### **CEMEX - Puerto Quetzal, Guatemala**

- Cement grinding plant with a production of 75 t/h: ball mill  $\varnothing$  3,6 x 12,5 m, classifier STURTEVANT type SD-90 and a bag filter of 130.000 m<sup>3</sup>/h, 3 silos 3000 t each, bulk loading and bagging.
- Circular clinker storage hall of 75.000 Tm capacity

**EPC 2004**

### CEMEX – Lloseta Plant, Spain

- Upgrade of a KRUPP preheater, implementing two additional stages.
- Upgrade of a cement mill including a classifier STURTEVANT type SD-120.
- Bag filter and air-air heat exchanger, for the clinker cooler and KRUPP kiln: capacity of 295.000 m<sup>3</sup>/h.
- Bag filter and air-air heat exchanger for the clinker cooler and FIVES kiln: capacity of 160.000 m<sup>3</sup>/h.

**EPC 2004**

**EPC 1989**

**EPC 1999**

**EPC 2000**

### CEMEX – Alcanar Plant – Spain

- Upgrade of a FIVES vertical coal mill, including a new classifier SD-60.
- Upgrade of kiln nº 3 preheater adding two final stages: production increase from 2.100 t/d to 2.350 t/d.
- Upgrade of three cement grinding circuits, including two classifiers STURTEVANT type SD-120 and one classifier STURTEVANT type SD-160.
- Upgrade of an electrostatic precipitators
- Upgrade of kiln nº 2 preheater adding two stages: production increase from 1.350 t/d to 1.700 t/d.
- Upgrade of the existing clinker cooler using a pendular clinker cooler.
- Dismantling and erection of AUMUND clinker conveyors
- Upgrade of kiln nº 1 clinker cooler grate, increasing the kiln production from 1.320 t/d to 1.400 t/d.

**EPC 1987**

**EPC 1988**

**EPC 1991**

**PC 1991**

**EPC 1991**

**EPC 1991**

**C 1998**

**EPC 1999**

### CEMEX – Castillejo Plant – Spain

- Upgrade of cement mill nº 5, including a STURTEVANT classifier type SD-130.

**EPC 1985**

### CIMPOR – Campo Formoso, Brazil

- Conversion of an ESP to a bag filter. The bag filter is designed to work with 235.000m<sup>3</sup>/h and a maximum temperature of 180°C.
- Gas condition tower at the preheater outlet and upstream the new bag filter. With a size of Ø 4.440 x 20.000, it reduces the gas temperature from 425°C to 180°C

**EP**
**2011**

### CIMPOR – Oural Plant, Spain

- Kiln production increase from 1.030 t/d to 1.350 t/d including new preheater stage, upgrade of the FULLER clinker cooler and the FLSMIDTH electrostatic precipitator
- Upgrade of cement mill nº 3, including a STURTEVANT classifier type SD-80.

**EPC**
**2000**
**EPC**
**2004**

### CIMPOR – Alhandra Plant, Portugal

- Upgrade of the kiln nº 7 FULLER clinker cooler.
- Upgrade of the kiln nº 6 preheater, implementing 2 cyclones in stage 1 and 2 increasing the kiln production from 3.850 t/d to 4.150 t/d.
- Upgrade of the kiln nº 7 preheater, implementing 2 cyclones in the stage 1 and 2, increasing the kiln production from 2.900 t/d to 3.100 t/d.

**EP**
**1989**
**EPC**
**2001**
**EPC**
**2002**

### CIMPOR – Souselas Plant, Portugal

- Upgrade of the kiln nº 1 FULLER clinker cooler.

**EPC**
**1999**

### CIMPOR – Córdoba Plant, Spain

- Upgrade of the last stage of the kiln preheater.

**PC**
**2002**

### CIMPOR – Toral de los Vados Plant, Spain

- New electrostatic precipitator for a 2.600 t/d kiln.
- Upgrade of a POLYSIUS vertical coal mill, implementing a coal classifier type SD-60

**EPC**
**1998**
**EPC**
**1999**

## HOLCIM – Barroso, Brasil

- Cement grinding station consisting of a bin farm; a GPSE vertical roller mill MVR-6700-C6 of 11.700kW with a MultiDrive® system 6x1.950kW and a maximum capacity of 450tph of cement; hot gas generator; a 2.100.000m<sup>3</sup>/h bag filter and a 5.400kW process fan.

EP

2011

## HOLCIM – Chekka, Lebanon

- Cement Grinding Plant - Line 18, with a production of 70 t/h, ball mill Ø 3,8 x 13 m, classifier type SD-90 and bag filter of 130.000 m<sup>3</sup>/h.
- Upgrade of cement mills 16 and 17 to 90t/h with classifiers STURTEVANT type SD-90 and 122.000 m<sup>3</sup>/h bag filters each.
- Upgrade of the feed lines replacing weightfeeders and belt conveyors.
- Process Control System (PCS) for the control room

EPC

2007

## HOLCIM – Lorca Plant, Spain

- Upgrade of cement mill nº 1 grinding circuit, with a classifier STURTEVANT type SD-110 and bag filter of 200.000 m<sup>3</sup>/h.
- Bag Filter of 291.600/316.000 m<sup>3</sup>/h & 150 °C for the raw mill/kiln circuit.
- New stainless steel stack Ø3 x 60m.

EPC

2004

PC

EPC

2007

## HOLCIM – Torredonjimeno Plant, Spain

- Upgrade of cement mill nº 3 grinding circuit, with a classifier STURTEVANT type SD-70, cyclone, recirculation fan and bag filter of 12.000 m<sup>3</sup>/h.
- Bag filter of 160.000 m<sup>3</sup>/h for the raw mill/kiln circuit.
- All equipment for the dust transport of filters and raw meal.

EP

2001

PC

EPC

2005

## HOLCIM – Yeles Plant, Spain

- Upgrade of FULLER clinker cooler grate kiln nº 1, implementing new rows of plates and installation of the complete pendular grate.
EPC
1993
- Upgrade of a LURGI & ELEX electrostatic precipitators.
PC
2005
- New kiln shell
C
- Upgrade of POLYSIUS vertical coal mill, including a new classifier type SMCE-AS-50.
EPC
1997

## HOLCIM – Jerez Plant, Spain

- Bag filter for a 2.200 t/d kiln dedusting. Capacity: 650.000 m<sup>3</sup>/h.
PC
1997
- Upgrade of a preheater, implementing cyclones, increasing the kiln production from 2.300 t/d to 2.600 t/d.
EPC
- Upgrade of cement bucket elevator.
EPC
2002
- New stainless steel stack Ø4 x 73m
EPC
2004

## HOLCIM – Oujda Plant, Morocco

- ESP to bag filter for kilns nº 1 and nº 2.
PC
2002

## HOLCIM – Gador Plant, Spain

- Upgrade of a FULLER clinker cooler.
EPC
2001
- Upgrade of a cement mill with a STURTEVANT classifier type SD-120, cyclones, recirculation fan and bag filter for 240.000 m<sup>3</sup>/h.

## HEIDELBERG CEMENT - HOLCIM – Port Kembla, Australia

- Cement grinding station consisting of a 3 x 200tph Eco-hoppers; a 90.000Tm fully automated raw material warehouse ; a GPSE vertical roller mill MVR-6000-C6 of 5.250kW with a MultiDrive® system 3x1.750kW and a maximum capacity of 208tph of cement; hot gas generator; a 800.000m<sup>3</sup>/h process bag filter and 7 x 3000Tm cement/slag silos.

EPC\*

2011

\*Preassembled and shipped.

## ITALCEMENTI – Devnya, Bulgaria

- New 7.000 TPD clinker line, from the raw material storage hall to the cement mill.

E

2009

## LAFARGE – Dunbar, Scotland, United Kingdom

- Replacement and Upgrade of 2 existing cement mills, optimisation of mill internals and improvement of peripheral infrastructure.

EPC

2015

## LAFARGE – Candeias, Brazil

- Cement silo with a storage capacity of 1,000ton. Scope includes detailed design, steel works and complete M&E infrastructure.

EP

2014

## LAFARGE – Hope, United Kingdom

- Discharge, storage and transfer system for the pulverised fly ashes to the cement & raw mills.

EPC

2011

## LAFARGE – M´Sila, Algeria

- Cement grinding plant with a production capacity of 70 t/h: ball mill Ø3,6 x 12,5 m, STURTEVANT classifier type SD-90 and bag filter for 130.000 m<sup>3</sup>/h.

EPC

2011



## LAFARGE – Sète, France

- Cement grinding plant with a production of 90t/h: ball mill of  $\varnothing$  4 x 12,75 m, with a STURTEVANT classifier type SD-90, bag filters for 50.000 m<sup>3</sup>/h and 121.000 m<sup>3</sup>/h, fans; including silos for storage and bulk loading.
 


EPC

2008
  
- Mixing/blending station. Continuous mixing capacity of 180t/h including a third bulk loading station.
 


EPC

2010

## LAFARGE – Tarragona plant, Spain

- Cement grinding plant with a production of 130 t/h, vertical mill LOESCHE LM42 and bag filter for 410.000 m<sup>3</sup>/h.
 


EPC

2007
  
- A 3.000 m<sup>3</sup> concrete cement silo

## LAFARGE – Saint Pierre, Spain

- Cement grinding plant with a production of 120 t/h, vertical mill LOESCHE LM42 and bag filter for 328.600 m<sup>3</sup>/h.
 


EPC

2007
  
- A 8.000 m<sup>3</sup> concrete cement silo
 


EPC

2006

## LAFARGE – Tanger Plant, Morocco

- Cement grinding plant with a production of 140t/h: ball mill  $\varnothing$ 4,2 x 13,75 m with STURTEVANT classifier type SD-110, bag filters for 48.000 m<sup>3</sup>/h and 192.000 m<sup>3</sup>/h and fans, with a 6.000 m<sup>3</sup> cement silo bulk load & packing, and truck loading station.
 


EPC

2007

## LAFARGE – Villasequilla Plant, Spain

- Cement grinding plant, with production capacity of 75 t/h: ball mill  $\varnothing$ 3,6 x 12,5 m, STURTEVANT classifier type SD-90 and bag filter for 130.000 m<sup>3</sup>/h, including the raw materials railroad's discharge, with silos for storage, bulk loading and packing unit.
 


EPC

2006
  
- Twin cement grinding plant, with the same characteristics as above.
 


EPC

2007

## LAFARGE – La Parrilla Plant, Spain

- Cement grinding plant with a production capacity of 75 t/h: ball mill  $\varnothing 3,6 \times 12,5$  m length, a STURTEVANT classifier type SD-90 and a bag filter for 130.000 m<sup>3</sup>/h.
 **EPC** **2002**
- 4 concrete storage silos of 2.500 t, each, bulk loading and packing unit.
 **EPC** **2002**
- Cement grinding plant with a production capacity of 75 t/h: ball mill  $\varnothing 3,6 \times 12,5$  m length, a STURTEVANT classifier type SD-90 and a bag filter for 130.000 m<sup>3</sup>/h.
 **EPC** **2006**
- 4 concrete storage silos of 2.500 t, each, bulk loading and packing unit.
 **EPC** **2006**

## LAFARGE – Sagunto Plant, Spain

- Upgrade of ETA cooler, implementing a new CemProTec CDS static grate.
 **EPC** **2007**

## LAFARGE – Montcada Plant, Spain

- Upgrade of the FULLER/POLYSIUS clinker cooler.
 **EPC** **1998**
- Upgrade of the kiln preheater last stage.
 **PC** **1999**
- New kiln hood
 **EPC** **2003**
- Upgrade of the FULLER/POLYSIUS clinker cooler.
 **EPC** **2009**

## LAFARGE – Tarragona Plant, Spain

- Cement grinding plant with a production of 70 t/h: ball mill  $\varnothing 3,9 \times 11,5$  m length, STURTEVANT classifier type SD-90, bag filter for 130.000 m<sup>3</sup>/h, with 8 silos for storage, bulk loading and packing unit.
 **EPC** **2001**

## LAFARGE – Meknès Plant, Morocco

- Cement grinding plant with a production of 70 t/h: ball mill  $\varnothing 3,9 \times 11,5$  m length, STURTEVANT classifier type SD-90, bag filter for 130.000 m<sup>3</sup>/h, with 8 silos for storage, bulk loading and packing unit.
 **EPC** **1999**

## LAFARGE – Niebla Plant, Spain

- Upgrade of a FULLER clinker cooler.

EPC

1995

## ARABIAN CEMENT COMPANY – Egypt

- Two cement grinding mills of 170 t/h, including feeding, discharge, silo aeration and cement truck loading device of silos, and bulk & bag loading.

EPC

2009

## CEMENTOS ALFA, S.A. – Metaporquera, Spain

- Upgrade of a FULLER clinker cooler including the installation of a complete pendulum grate.

EPC

1999

## CEMENTOS EL MOLINO, S.L. – Santa Eulalia del Campo, Spain

- Cement grinding plant, with a production capacity of 30 t/h with a STURTEVANT classifier type SD-50 and a bag filter for 40.000 m<sup>3</sup>/h.
- Aeration and discharge system for 4 2.000 t cement silos.
- Cement grinding plant with a production capacity of 30 t/h with a STURTEVANT classifier type SD-50 and a bag filter for 40.000 m<sup>3</sup>/h.
- Feeding, discharge, silo aeration and cement truck loading systems for 2 5.000 t silos and bulk loading.

EPC

1997

EPC

2004

EPC

2006

EPC

2006

## CEMENTOS LA CRUZ, S.L. – Abanilla, Spain

- Cement grinding plant, with a production capacity of 70 t/h: ball mill Ø 3,8 x 12,57 m length, with a STURTEVANT classifier type SD-90 and bag filter for 130.000 m<sup>3</sup>/h, with 8 silos for storage, bulk loading and packing unit.

EPC

2002

## CEMENTOS LA UNIÓN, S.A. – Ribarroja de Turia, Spain

- Cement grinding plant, with a production capacity of 60 t/h, two ball mills  $\varnothing$  2,4 x 14,0 m length, with one STURTEVANT classifier type SD-70 and one bag filter for 75.000 m<sup>3</sup>/h.



**EPC** **1995**
- Aeration and discharge system for eight 2.000 t capacity cement silos of 8,5 x 8,5 m.



**EPC** **1997**
- Aeration and discharge system of four 5.000 t capacity cement silos.



**EPC** **1997**
- Cement grinding plant with a production capacity of 75 t/h: ball mill  $\varnothing$  3,8 x 12,5 m with a STURTEVANT classifier type SD-90 and bag filter for 130.000 m<sup>3</sup>/h.



**EPC** **1999**
- Four 2.500 t silos for cement storage, bulk loading and packing unit.



**EPC** **1999**
- Cement grinding plant with a production capacity of 75 t/h: ball mill  $\varnothing$  3,8 x 11,4 m, a STURTEVANT classifier type SD-90 and bag filter for 130.000 m<sup>3</sup>/h.



**EPC** **2001**

## CIMENT DE MAURITANIE, S.A. – Mauritania

- Cement grinding plant with a production capacity of 35 t/h with a STURTEVANT classifier type SD-50 and bag filter.



**EPC** **1994**

## CEMENTOS PORTLAND, S.A. – Olazagutía, Spain

- Upgrade of the FULLER clinker cooler.



**EPC** **1990**

## CEMENTOS SANTO DOMINGO – Dominican Republic

- Grinding circuit modification including mill internal, a STURTEVANT SD-70 separator installation with cyclones and transport to silos.



**EPC** **2003**

## ESPABEL – Ghent, Belgium

- Cement grinding plant with a production capacity of 110 t/h: ball mill  $\varnothing$  4,4 x 17 m and 4.350kW; a STURTEVANT classifier type SD-120; a hot gas generator; bag filter for 220.000 m<sup>3</sup>/h, with 6 x 3.000Tm storage silos, bulk loading and packing unit.



**EPC** **2010**

## INDUSTRIA CHIMICA DEL LEGNO – Italy

- Electrostatic Precipitator. **EP** **1999**

## LEMONA INDUSTRIAL, S.A. – Lemona, Spain

- Erection of all equipment for the new clinker transport. **C** **1998**
- Upgrade of a FULLER clinker cooler. **EPC** **1999**

## MED. CON., S.R.L. – Trieste, Italy

- Import terminal including the pneumatic transport to cement storage silos, four 6.000 t cement storage silos, extraction and transport to a complete bulk loading, packing, palletizing and wrapping solution. **EPC** **2006**

## MOLINOS CEMENTEROS LUSO GALAICOS, S.A. – Vigo, Spain

- Import terminal with silos, cement truck loading device, packing plant, palletising and shrink-fit film wrapping machine. **EPC** **2002**

## RAS AL KHAIMAH CEMENT COMPANY. – United Arab Emirates

- Bag filters including: two bag filters for the raw mill, one for 44.200 m<sup>3</sup>/h and the other for 98.000 m<sup>3</sup>/h. One bag filter with heat exchanger air-air, for the clinker cooler with a capacity of 280.500 m<sup>3</sup>/h. Two bag filters, one for 181.000 m<sup>3</sup>/h and the other for 93.600 m<sup>3</sup>/h, for the cement mill. **EP** **1998**

## S.A. TUDELA VEGUIN – La Robla, Spain

- Upgrade of a FULLER clinker cooler. **EPC** **1995**
- Bag filter for 180.000 m<sup>3</sup>/h with heat exchanger air-air for the clinker cooler of kilns nº 1 and nº 2. **PC** **1997**
- Upgrade of cement mill nº 2 with a STURTEVANT classifier type SD-90, cyclone, recirculation fan and bag filter for 130.000 m<sup>3</sup>/h. **EPC** **1998**

## S.A. TUDELA VEGUIN – Aboño Plant, Spain

- Upgrade of cement mills nº 4 y nº 5 including two STURTEVANT classifiers type SD-60 with 60.000 m<sup>3</sup>/h bag for a 33 t/h capacity.
 EPC
1997
- Upgrade of the FOLAX clinker cooler.
 EPC
1998
- Upgrade of a 193 t/h raw mill, including a STURTEVANT classifier type SD-140, two cyclones, recirculation 315.000 m<sup>3</sup>/h fan.
 EPC
2001
- Upgrade of a FULLER clinker cooler grate.
 EPC
2005

## SOCIÉTÉ DES CIMENTS DE GABÈS (CECIL GROUP) – Gabès, Tunisie

- Cement grinding plant with a 120 t/h production capacity with a STURTEVANT classifier type SD-90 and bag filter for 122.000 m<sup>3</sup>/h.
 EPC
2006

## UNILAND CEMENTERA, S.A. – Vallcarca, Spain.

- Upgrade of two existing ELEX ESP
 EPC
1999
- Upgrade of 4<sup>th</sup> stage of Preheater of kiln nº 7.
 E
2002