

# REFERENCE LIST

# PLUG&GRIND<sup>®</sup>



2023

CONFIDENTIAL CLIENT  
AMERICAN CONTINENT

- 1 Plug&Grind® Supreme unit with a production capacity of 500.000t/y; Ball Mill with Ø 3,8m. x 13m and 2.300kW with a High Efficiency Separator for High Blaine cement production.
- Scope of Supply includes conveying and handling equipment to transport raw materials from plant storage areas, 2x silos of 2.000m<sup>3</sup> each, and bulk loading device and laboratory.

2018

CRH DUNBAR  
DUNBAR  
UNITED KINGDOM  
-EPC-

- 1 Vertical Plug&Grind 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.

## 2022

### ATLAS CIMENT

2 Units x Mali

- 2 Plug&Grind XTREME units with a production capacity of 350.000 t/y: ball mill Ø3,2 x L11,5m and 1,600kW. XP4i separator for production of high Blaine cements.
- Scope of supply includes equipment for raw material handling 3 Silos and Expedition facilities – rotopacker plant and truck loading systems.

### CEMENTOS SANTO DOMINGO DOMINICAN REPUBLIC

- 1 Plug&Grind XTREME unit with a production capacity of 390.000 t/y: ball mill Ø 3,2 x 11,5 m and 1,600kW. XP4i separator for production of high Blaine cements.
- Scope of supply includes conveying and handling equipment to transport raw materials from plant storage areas.

## 2021

### CHINGUITTY CIMENT MAURITANIA AFRICA

- 1 Plug&Grind XTREME unit with a production capacity of 350.000 t/y of cementitious materials. Grinding circuit fits a ball mill Ø 3,2 x 11,5 m and 1,600kws XP4i separator for production of high Blaine additives for cement blending.

## 2020

### GEOFORTIS UTAH USA

- 1 Plug&Grind XTREME unit with a production capacity of 350.000 t/y of cementitious materials. Grinding circuit fits a ball mill Ø 3,2 x 11,5 m and 1,600kws XP4i separator for production of high Blaine additives for cement blending.
- Scope of supply includes conveying and handling equipment to transport raw materials from plant storage areas.

### SABSON GROUP YEMEN

- 1 Plug&Grind XTREME unit with a production capacity of 390.000 t/y: ball mill Ø 3,2 x 11,5 m and 1,600kW. XP4i separator for production of high Blaine cements.
- Scope of supply includes conveying and handling equipment to transport raw materials from plant storage areas.

## 2019

### BIGBOSS CEMENT MANILA PHILIPPINES

- 1 Plug&Grind XTREME unit with a production capacity of 350.000 t/y: ball mill Ø 3,2 x 11,5 m and 1,600kW. XP4i separator for production of high Blaine cements.
- Scope of supply includes engineering for raw material storage hall and finish product storage hall, supply of 2 steel storage silos as well as equipment for cement handling equipment and a 8 spout packing machine with loading system.

### AFRICA CEMENT GHANA AFRICA

- 1 Plug&Grind XTREME unit with a production capacity of 350.000 t/y: ball mill Ø 3,2 x 11,5 m and 1,600kW. XP4i separator for production of fine Blaine cements for high strength cement applications.
- Scope of supply includes equipment for raw material transport from client's storage halls, cement handling equipment and steel storage silos as well as dispatching facilities for bagging and palletising.

## 2018

### CIMAF LIBREVILLE GABON

- 1 Plug&Grind XTREME unit with a production capacity of 350.000 t/y: ball mill Ø 3,2 x 11,5 m and 1,600kW. XP4i separator for production of high Blaine cements for special cement applications.
- Scope of supply includes equipment for raw material transport from client's storage halls, 2 steel storage silos as well as interconnection to existing dispatching facilities.

### CEMENTOS MELON PUNTA ARENAS CHILE

- 1 Plug&Grind XTREME unit with a production capacity of 350.000 t/y: ball mill Ø 3,2 x 11,5 m and 1,600kW. XP4i separator for production of high Blaine cements for special cement applications.
- Scope of supply includes equipment for raw material transport from client's storage halls, cement handling equipment to transfer cement to client's storage silos.

### UNACEM OTAVALO ECUADOR

- 1 Plug&Grind XTREME unit with a production capacity of 350.000 t/y: ball mill Ø 3,2 x 11,5 m and 1,600kW. XP4i separator for production of high Blaine cements for special cement applications.
- Scope of supply includes retrofitting of the existing feeding infrastructure as well as the cement pneumatic transport into the existing storage silos.

**CEMENTOS MELON**  
PUERTO MONTE  
CHILE

- 1 Plug&Grind XTREME unit with a production capacity of 250.000 t/y of high Blaine cements for structural applications: ball mill Ø 3,2 x 11,5 m and 1,600kW. XP4i separator and bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes retrofitting of the existing feeding infrastructure, new feed hoppers for clinker and additives as well as a cement pneumatic transport upto the existing storage silos.

## 2022

**CONFIDENTIAL CLIENT**  
**SOUTHERN MOROCCO**

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes equipment for raw material handling, conveying system of finished product.

## 2020

**TTSUD**  
**TANGER**  
**MOROCCO**

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes equipment for raw material transport from client's storage halls, cement handling equipment, 2 steel storage silos as well as dispatching and bagging facilities.

## 2019

**CEMENTOS PRIMA**  
**MATARANI**  
**PERU**

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes equipment for raw material transport from client's storage halls, cement handling equipment for transfer and steel storage silos as well as dispatching facilities for cement bags.

**CATSA**  
**MEXICO**

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes equipment for raw material transport from client's storage halls, cement handling equipment, 2 steel storage silos as well as dispatching and bagging facilities.

## 2017

**CEMENTOS BIO BIO**  
**ARICA**  
**CHILE**

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes 1 new steel silo for cement storage and containerised packing equipment.

**CEMENTOS PROGRESO**  
SAN PEDRO SULA  
HONDURAS

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes 1 new steel silo for cement storage and containerised packing equipment.

**CEMENTOS PROGRESO**  
IZABAL  
GUATEMALA

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes 1 new steel silo for cement storage and containerised packing equipment.

**CEMENTOS ARGOS**  
SAN PEDRO SULA  
HONDURAS

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes 1 new steel silo for cement storage and containerised packing equipment.

**INVERCEM**  
TRUJILLO  
PERU

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes new steel silos for cement storage and containerised packing and expedition equipment.

**NDOVU CEMENT**  
ATHI RIVER  
KENYA

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes new steel silos for cement storage and dispatching equipment.

## 2016

**LAFARGEHOLCIM**  
LAAYOUNE  
MOROCCO

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes new cement storage silos for finished product, packing and dispatching equipment.

## 2015

**CEMINDO GEMILANG**  
2 x MEDAN + 1 x BENGKULU  
INDONESIA

- 3 Plug&Grind XL units with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes electrical Sub-stations to feed the new P&G unit and cement transfer infrastructure to new cement silos.

**CEMENTOS FORTALEZA**  
TULA  
MEXICO

**2014**

**CHINGITTI CEMENT**  
NOUAKCHOTT  
MAURITANIA

- 1 Plug&Grind XL unit with a production capacity of 220.000 t/y: ball mill Ø 3,0 x 9,5 m and 1,100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes new cement silos for cement storage and dispatching equipment.

- Plug&Grind XL Cement grinding plant with a production capacity of 220.000 t/y: ball mill Ø 3.0 x 9,5 m and 1100kW; bag filter for 50.000 m<sup>3</sup>/h.
- Scope of supply includes 4 steel silos for cement bulk dispatching and packing facilities of upgraded capacity.



## 2022

**CONFIDENTIAL CLIENT**

**AMERICAN CONTINENT**

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,0 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h.
- Scope of supply includes electrical Sub-station, 2 steel silos for cement storage and dispatching equipment.

## 2019

**CEMENTOS ANCAP**

**MINAS  
URUGUAY**

- Relocation of Plug&Grind® mill unit and extension with a new cement transport system to existing silos.
- Scope of supply includes revamping of existing clinker storage hall at Minas Plant to fit the new dosing bins for the feeding of CEMENGAL's P&G® modular mill, as well as extension of electrical and automation equipment at the P&G® modular electrical room.

## 2018

**GRUPO IND. MONTERREY**

**PUERTO DE ACAJUTLA  
EL SALVADOR**

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,0 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h.
- Scope of supply includes 2 new steel silos for cement storage and containerised packing equipment.

## 2017

**CEMENTOS PROGRESO**

**BELMOPÁN  
BELIZE**

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,0 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h.
- Scope of supply includes 1 new steel silo for cement storage and containerised packing equipment.

## 2016

**EGIN SA**  
DOUALA  
CAMEROON

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h.
- Scope of supply includes the complete electrical infrastructure as well as the necessary equipment for dispatching of bagged cement.

**CEMENTO REGIONAL**  
PUERTO QUETZAL  
GUATEMALA

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h.
- Scope of supply includes 2 steel silos for cement storage and dispatching equipment.

## 2015

**CEMENTO VALLENATO**  
VALLEDUPAR  
COLOMBIA

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h.
- Scope of supply includes electrical Sub-station to feed the new P&G unit and cement transfer infrastructure to existing silos.

**CEMENTOS ANCAP**  
MINAS  
URUGUAY

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h. Upgrade of grinding capacity at an existing plant
- Scope of supply includes electrical Sub-station to feed the new P&G unit and cement transfer infrastructure to existing silos.

**COMPANIE NATIONAL DE CIMENT**  
DAKHLA, MOROCCO

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h. Scope of supply includes electrical Sub-station to feed the new P&G unit and cement transfer infrastructure to existing silos.
- Scope of supply includes electrical Sub-station to feed the new P&G unit and cement transfer infrastructure to existing silos.

## 2014

**LAFARGE**  
NDOLA  
ZAMBIA

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y: ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h.
- Scope of supply includes electrical Sub-station to feed the new P&G unit and cement transfer infrastructure to existing silos.

**SAUDI READYMIX  
CONCRETE CO**  
DAMMAM, SAUDI ARABIA

- 1 Plug&Grind Classic unit with a production capacity of 60.000 t/y of GGBFSlag: ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h.

**COMPANIE NATIONAL  
DE CIMENT**  
NOUADIBHOU, MAURITANIA

- 1 Plug&Grind Classic unit with a production capacity of 100.000 t/y: ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h.
- Scope of supply includes 4 steel silos for cement bulk dispatching and packing facilities of upgraded capacity.

## 2013

**CEMENTO  
INTEROCEÁNICO**  
CHIRIQUÍ, PANAMA

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y: ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h, packing unit.
- Scope of supply includes new electrical sub-station from existing network to feed the new unit and 2 steel silos for cement bulk dispatching and packing facilities of upgraded capacity.

**KAMPALA CEMENT**  
NAMATABA  
UGANDA

- 2 Plug&Grind Classic unit with a production capacity of 90.000 t/y: ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h, packing unit.

**NDOVU CEMENT**  
ATHI RIVER  
KENYA

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y: ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h, packing unit.

2012

**MOMBASA CEMENT**  
MOMBASA  
KENYA

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h, packing unit.

**SAUDI READYMIX  
CONCRETE CO**  
DAMMAM, SAUDI ARABIA

- 1 Plug&Grind Classic unit with a production capacity of 90.000 t/y; ball mill Ø 2,2 x 9,5 m and 500kW; bag filter for 25.000 m<sup>3</sup>/h, packing unit.