



LIST OF REFERENCES

CEMENT ENGINEERING (CESA) S.A.

Consulting Engineers

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Cement Plant Projects

2022 - on going. SCBL, [Benin](#)

New cement grinding station in order to increase the production to 740'000 t/y : Plant audit, basic engineering, tendering, design approval.

2019 - on going . Les Ciments du Sahel, [Senegal](#)

→ **Third cement line of 3 mio. t/y in order to increase the total production of the plant to 6 mio. t/y** : Multiple packages project. Full Project Management Consultant responsibility, including engineering review, management of all contracts, management of project execution, supervision and commissioning.

→ **Power Plant 60 MW** : Full Project Management Consultant responsibility, including engineering review, i.e. feasibility study, engineering, call for tender, contract, erection and commissioning supervision.

2019 - 2023. Tekcim, [Morocco](#)

Greenfield: Cement plant 1.4 mio. t/y : EPC project. Design engineering approval, main equipment inspections, project management assistance, erection and commissioning supervision.

2018. CIMAF, [Guinea Conakry](#)

Second line grinding station in order to increase the production by 1 mio. t/y : Design review and project monitoring on behalf of the lenders (banks).

2016 - 2020. Société des Ciments de Sigus, [Algeria](#)

Greenfield: Cement plant 2.5 mio. t/y : EPC project. Design engineering approval, erection and commissioning supervision.

2016 - 2021. Société Saoura Ciment, [Algeria](#)

Greenfield: Cement plant 1.3 mio. t/y : EPC project. Design engineering approval, erection, commissioning and plant personel formation supervision.

2016 - 2018. Moncement Building Materials LLC (MBM), [Mongolia](#)

Grinding station 120 t/h: EPC project. Project Management Consultant from the design and engineering approval up to the commissioning.

2015. Contract signed but not put in force. Cevital Minerals, [Algeria](#)

Greenfield: Cement plant 5 mio. t/y : Multi-package project. Full engineering responsibility, contract management, erection and commissioning supervision.

2015 - on hold. International Cement Company (ICC), [Nigeria](#)

→ **Greenfield: Cement plant 1.5 mio. t/y** : EPC project. Full engineering responsibility, contract management, erection and commissioning supervision.

→ **Power Plant 44 MW** : Full engineering responsibility, i.e. feasibility study, call for tender, contract, erection and commissioning supervision.

2015. Contract signed but not put in force. Giant Cement Works Ltd (GCWL), [Nigeria](#)

Greenfield: Cement plant 1.3 mio. t/y : EPC project. Full engineering responsibility, contract management, erection and commissioning supervision.

REFERENCES

2014 - 2016. Moncement, **Mongolia**

Greenfield: Cement plant 1 mio. t/y : Review of the technical and financial EPC contract, compliance with the technical requirements and the erection schedule, monthly supervision of progress , control of the performance tests documents and technical completion report.

2010 - 2016. Tanga Cement, **Tanzania**

Second cement line in order to increase the production to 1 mio. t/y : Design review and project monitoring on behalf of the lenders (banks) for the TK2 project.

2010 - 2014. La Nouvelle Cimenterie du Bénin, **Benin**

→ **Greenfield: Cement plant 1.5 mio. t/y** : EPC project. Full engineering responsibility, contract management, erection and commissioning supervision.

→ **Power Supply of 40 MW** : the study of the energy supply to the plant and the camp encompasses the installation of a captive power plant as well as the possibility to connect to the power grid.

2007-2011. Les Ciments du Sahel, **Senegal**

→ **Second cement line in order to increase the production to 2 mio. t/y** : Multiple packages project. Full engineering responsibility, management of all contracts, management of project execution, supervision and commissioning.

→ **Power Plant 40 MW** : Full engineering responsibility, i.e. feasibility study, engineering, call for tender, contract, erection and commissioning supervision.

2007-2011. Ohorongo Cement, **Namibia**

Greenfield: Cement plant 1 mio. t/y : Design review and project implementation monitoring on behalf of the lenders for the construction of a cement plant.

Installation of Equipment

2020. Cemento Chagres, **Panama**

Grinding station 300'000 t/y: Study and implementation of a 250 t/h dust-free transport between the outlet of the crusher and the feed to the classifier.

2012—2015. Monpolymet, **Mongolia**

Review of the technical and financial EPC contracts and supervision of work progress for a new grinding unit of 120 t/h in the Songino-Khairklian District.

2012 - 2013. Holcim (Philippines) La Union plant, **Philippines**

Design engineering for clinker cooler replacement (2'800 t/d) and erection supervision.

2012 - 2013. Holcim (Philippines) Calaca plant, **Philippines**

Grinding station 375'000 t/y: Design engineering for fly ash installation. Supervision of the revamping.

2011— 2012. United Cement Company of Nigeria LTD. (UniCem), **Nigeria**

Main crusher installation (1'200 t/h) : Engineering review and erection supervision.

Installation of Equipment (continuation)

2010 Ciment Vigier (Ciments Vicat), [Switzerland](#)

Automatic bulk loading station : Review of civil engineering drawings and construction supervision on site.

2006 - 2007. Les Ciments du Sahel, [Senegal](#)

Extension packing plant (2'400 bags/hour) : Full engineering responsibility, i.e. feasibility study, engineering, call for tender, contract, erection and commissioning supervision.

2004 - 2006. Les Ciments du Sahel, [Senegal](#)

Coal grinding and handling installation (38 t/h) : Full engineering responsibility, i.e. feasibility study, engineering, call for tender, contract, erection and commissioning supervision.

Feasibility Studies & Call for Tenders

2022—on going. Xwell Cimenterie, [Senegal](#)

Greenfield: Cement grinding station (modular containerized design) and concrete batching plant: Basic engineering, tender, and evaluation of offers.

2018. Les Ciment du Sahel, [Senegal](#)

Brownfield: Cement plant of 2.4 mio. t/y: Call for tender for EPC and multi-package contract.

2018. Libyan Cement Company, [Libya](#)

Brownfield: Cement plant of 1 mio. t/y: Call for tender, writing and negotiation of the contract.

2017 - 2018. Libyan Cement Company, [Libya](#)

Rehabilitation of existing lines in the Benghazi-Hawari plant: Feasibility study and technical assessment of the actual state. Evaluation of three rehabilitation scenarios with up to 7'200 t/d capacity.

2016. SGTM, [Maroc](#)

Greenfield : Grinding station and cement dispatch: Comparative profitability study between a 250'000 t/y and 400'000 t/y capacity.

2015. Cevital Minerals, [Algeria](#)

Greenfield: Cement plant 5 mio. t/y : Comparative feasibility studies of several technical solutions.

2014 - 2015. Giant Cement Works Ltd., [Nigeria](#)

Greenfield: Cement plant 2.6 mio. t/y : Feasibility study and raw material exploration in Cross River state.

2014. La Nouvelle Cimenterie du Bénin, [Bénin](#)

Coal power station 2 x 100 MW : Feasibility study.

2014. Tanga Cement Company Ltd., [Tanzanie](#)

Grinding station 120 t/h and cement dispatch 700'000 t/y : Étude de faisabilité.

2013. CMS Clinker, Mambong, [Malaysia](#)

Cement grinding plant 150 t/h and cement dispatch of 1 mio. t/y: Call for tender and supervision of execution.

REFERENCES

2013 - 2014. International Cement Company Ltd., **Nigeria**

→ **Greenfield: Cement plant 1.5 mio. t/y** : Feasibility study and call for tender in Ogun state.

→ **Power Plant 44 MW** : Feasibility study and call for tender.

2011. Holcim (Spain), Carboneras plant, **Spain**

Precalciner and clinker cooler (3'300 t/d) : Market survey, feasibility study, project management and basic engineering for the replacement of the 3'300 t/d calciner and clinker.

2010. Ebonyi Cement Company, **Nigeria**

Greenfield: Cement plant 2 mio. t/y : Feasibility Study.

2007 - 2010. La Nouvelle Cimenterie du Bénin, **Benin**

→ **Cement plant 1.5 mio. t/d** : Feasibility study, basic engineering, tendering, contract negotiation.

→ **Power Plant 30/40 MW** : Feasibility study, basic engineering, call for tender, contract negotiation.

2007 - 2010. Omega, **South of Europe**

Greenfield: Cement plant 2 mio. t/y : Feasibility study and engineering for a green field plant.

2007 - 2010. SGTM, **Morocco**

Greenfield: Cement plant 1.5 mio. t/y : Feasibility study, basic engineering, call for tender.

2006 - 2007. Les Ciments du Sahel, **Senegal**

Second cement line in order to increase the production to 2 mio. t/y : Feasibility study, basic engineering, call for tender and contract negotiation.

Studies and Consulting

2023 - on going. Les Ciments du Sahel, **Senegal**

Technical and commercial specifications for a 20 MW solar power plant using the PPA (Power Purchase Agreement) concept. Call and evaluation of tenders.

2022. Apaxco , **Mexico**

Opportunity study for the complete plant rehabilitation and the installation of a new 3'000 t/d line.

2020. Cemento Chagres, **Panama**

Critical study of the design, engineering and construction of the entire 300'000 t/y grinding station built in 2018 by a company from Florida, USA.

2018. LafargeHolcim Côte d'Ivoire, **Ivory Coast**

Basic engineering and evaluation of the investment cost of a material handling, storage and recovery facility at the LafargeHolcim plant located in the port of Abidjan.

2017. CRH Illigan, **Philippines**

Master plan for capacity increase to 8000 t/d of clinker of the cement plant and to 2.7 mio. t/y harbour facilities at its grinding plant.

2013. Kerkoub Group, **Mauritania: Design engineering** of a grinding terminal project of 80 t/h.

2013. Holcim (Philippines) Calaca plant, **Philippines:**

Replacement of Clinker Cooler of 2'800 t/d.

2011. Holcim (Guinée), **Guinea:**

Design estimation of a turnkey grinding terminal expansion project, 80 t/h.

Studies and Consulting (continuation)

2009. Obajana Cement, **Nigeria**

Study for the optimization of cement grinding, 2 x 335 t/h.

2007-2008. Heracles Co. (Lafarge), **Greece**

Transformation of kiln from grey to white clinker (250'000 t/y).

Audits / Due Diligence

2020. Dakhla Amenagement SA, **Morocco**

Technical audit of the grinding plant with a 100,000 t/y CPJ 45 capacity according to Moroccan norm.

2013. Addis Abeba, **Ethiopia**

Technical audits of two plants in Mojo and Gebre Guracha with vertical shaft kilns for a combined capacity of 1.1 mio. t/y.

2013. Onigbolo Cement, **Benin**

Technical audit of the 500'000 t/y cement plant.

2012. Carthage Cement, **Tunisia**

Technical and financial audit of the 2.4 mio. t/y Dgehal Resas Cement plant.

2009. Onigbolo Cement, **Benin**

Technical audit of the 500'000 t/y cement plant.

Exploration and Mining

2023. Ciment et Chaux du Mali, **Mali**

Review of the exploration data, 3D geological modelling, and resources evaluation.

2022. Novacim, **Morocco**

Review of the exploration data, 3D geological and bloc modelling, and extraction scheduling.

2021. International Cement Company Ltd, **Nigeria**

Review of the 3D geological modelling after the second drilling campaign, and bloc model estimation.

2017 - 2018. Ultratech, Shambhupura plant, **India**

Review of the exploration work and update of the bloc model.

2016 - 2017. International Cement Company Ltd, **Nigeria**

Planning and management of exploration work.

2015 - 2016. Cevital Minerals, **Algeria**

Exploration campaign, 3D geological and bloc modelling, and extraction scheduling.

2014 - 2016. Giant Cement Works, **Nigeria**

Planning and management of exploration work, geological 3D modelling, and bloc modelling.

2013 - 2014. Yamama Cement, **Saudi Arabia**

Planning and management of a 285 drill hole campaign for a 12.7 mio. t/y Greenfiel cement plant, 3D geological model, estimation of the bloc model, and planning of the extraction.

2013 - 2014. Quiboco Cement Industries Ltd, **Uganda**

Exploration campaign in a marble deposit.

REFERENCES

2011. PHME, **Saudi Arabia**: Assessment of raw materials.
- 2010 - 2012. SGTM, **Morocco**: Raw material study and 3D geological modelling.
- 2009 - 2013. La Nouvelle Cimenterie du Bénin, **Benin**
Complete raw material study, 3D geological modelling and bloc modelling, and extraction scheduling.

Exhibitions / Publications

- 2013 AUCBM, **Jordan**: Presentation about the New Cement Plant of Benin Project.
- 2012 Cemtech Europe, **Switzerland**: Presentation about quarry optimization.
- 2011 AUCBM, **Jordan**: Presentation about professional project management.
- 2011 "International Cement Revue", Publication about optimizing raw material management.
- 2010 AUCBM, **U.A.E.**: Presentation about raw material management.
- 2009 "Worldcement" Magazine, **Senegal**: Article about the extension in cement capacity in "Les Ciments du Sahel".

Other main projects in which our management team has been involved:

2004 Central Asia Cement	Kazakhstan	Cement plant revamping
2004 Hope Cement	United Kingdom	Indirect firing system extension
2004 Abco S.A.	Dominican Republic	Cement grinding plant
2001 Asment Ouled Zidane	Morocco	Cement plant design study
2000 Amran Cement Plant	Yemen	Clinker prod. upgrading study up to 1 mio. t/y
1996 Diamou Cement Plant	Mali	45'000 t/y cement plant (expertise)
1996-1999 Oman Cement Co.	Oman (Muscat)	Cement plant extension
1995 APC 1.4 MTY	Philippines	1.4 mio. t/y cement plant
1995-1998 Bosowa	Indonesia	1.5 mio. t/y cement plant
1995 Maple Leaf	Pakistan	1 mio. t/y, cement plant
1994 Kuwait Cement Co.	Kuwait	5'500 t/d of clinker production line
1994 Eastern Province Cement	Saudi Arabia	2 x 1 mio. t/y cement plant
1994 Bizerte Cement	Tunisia	Relocation of primary crusher
1993-1995 Gaborone	Botswana	400'000 t/y cement grinding plant
1993 Hama	Syria	1 mio. t/y cement plant
1989-1992 Cigu Cement	French Guinea	600'000 t/y cement grinding plant



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