

Reference List – Selected Projects

Some of our most relevant projects have been selected and are presented in the following slides.

For more information please contact us at
info@peccg.com

Reference List – Selected Projects WHR and Power Plant Studies



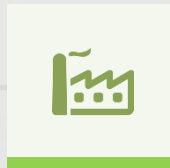
Cementos Progreso, San Miguel, Guatemala

Conceptual Study for the installation of a Waste Heat Recovery units for three kilns. Feasibility Study for the installation of a WHR system for Kiln 3, including detailed layout study. Valuation of the plant including power plant.



Cemex, Chelm, Poland

Feasibility Study for a Refuse Derived Fuel (RDF) Based Power Plant for 5000 T/D Cement Plant.



Confidential Client - Africa

Bankable Feasibility Study for an integrated Captive Power Plant using coal and a WHR System.



Argos, Sogamoso, Colombia

Conceptual Study to upgrade production of Kiln 1. Waste Heat Recovery (WHR) conceptual study to estimate the waste heat available in the exhaust gases from the preheater and clinker cooler systems for power generation.



Argos, Sogamoso, Colombia

Preliminary Study to combine an existing coal based Power Plant with a new Waste Heat Recovery System.



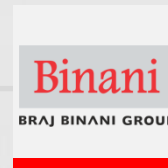
Holcim, Mississagua, Canada

Study for the validation of process parameters for a Waste Heat Recovery project.



Mitsubishi Cement , California

Preliminary option for the study of the installation of a Waste Heat Recovery System



Binani Cement Ltd, India

2 x 22.3 MW integrated Captive Power Plant using coal, lignite & petcoke

Reference List – Selected Projects WHR and Power Plant Studies



Chettinad Cement Corp. Ltd., India

2 x 30 MW integrated Captive Power Plant using coal, lignite & petcoke



Dalmia Cement (Bharat) Ltd., India

2 x 27 MW integrated Captive Power Plant using Indian & imported coal lignite



Mangalam Cement Ltd, India

17.5 MW integrated Captive Power Plant using coal



UltraTech, various locations, India

Techno-Economic Feasibility Report for different captive power plants, Cement waste heat recovery study & implementation in various plants in India.



FLSmidth, various locations

Cement Waste Heat Recovery System.



Gujarat Anjan Cement Limited, India

5 integrated Captive Power Plants in various locations in India using coal, Kutch lignite & petcoke



OCL Limited, Orissa, India

14 & (2 x 27) MW integrated Captive Power Plant using Washery Rejects / Coal/ Char

Reference List – Selected Projects Energy Efficiency / Process Studies



Cementos Sur, Puno, Peru

Process Study – Evaluation of Grinding Mill System



Argos, various locations

Conceptual Study to convert a wet process kiln to dry.
Conceptual Study to reduce emissions. Detailed study for the introduction of petcoke firing into the kilns and its environmental impact. Several studies to introduce locally available high volatile coal.



Ash Grove Cement, various locations

Conceptual Study to improve dust control of rail unloading. Evaluation of experimental kiln gas bypass and supplemental kiln gas calculations. Evaluation of planned new preheater ID fan, kiln production and fuel consumption. Determination and control of fugitive sources of dust.



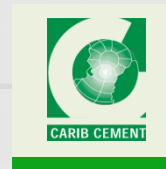
Cementos de Chihuahua, Mexico

Energy Efficiency Study – Commentary on Kiln Baghouse Selection positive vs negative pressure.
- Kiln Induced Draft Fan Evaluation
Process Study: Options to reduce preheater gas temperatures including CAPEX.



Continental Cement, Missouri, USA

Energy Efficiency Study: Cooler Vent Dust Collection Study



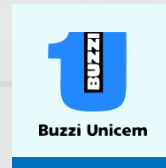
Caribbean Cement Co. Ltd, Kingston, Jamaica

On-site Process Assistance: Evaluated kiln system to establish practical operating limits based on current equipment configuration. Conducted clinker cooler heat/mass balances to identify and reduce heat losses and operating constraints. Energy Efficiency Study: Electrical drives review.



Capitol Cement, Martinsburg, West Virginia

Efficiency Study: Packhouse and Marl Bin improvements.
Essroc Cement: Energy Efficiency Study/Power Study.
Feasibility Study – Review of options for modification of coke firing systems of Kilns 1 and 2



Buzzi Unicem, various locations

On-site process assistance: kiln performance issues, deficiencies in the firing system. Process audit of the clinker cooler. Investigated cement mill venting performance and conducted internal inspections of classifiers. Investigated kiln feed preparation and chemical uniformity in relation to poor burning zone refractory life.