



## Reference List – Hot Gas Generators

SEQ.	CLIENT	PLANT	DESCRIPTION	THERMAL CAPACITY	FUEL	YEAR
16	Votorantim Cimentos	Pecém – CE Brazil	Hot Gas Generator in Fluidized Bed Chamber Technology for Cement Mill	1 x 12 Gcal/h	Biomass, Petcoke and Coal	2019
15	Cementos Argos	Río Claro Colombia	Coal Hot Gas Generator for Flash Dryer	1 x 19 Gcal/h	Coal	2019
14	Anglo American	Barro Alto – GO Brazil	Hot Gas Generator LPG Burner for Coal Mill	1 x 5.5 Gcal/h	LPG	2017
13	Anglo American Niobium	Ouvidor – GO Brazil	HGG using HFO for Flash Dryer	1 x 1 Gcal/h	HFO	2016
12	CSN Cimentos	Arcos – MG Brazil	HGG using Pulverized Petcoke for Cement Mill	2 x 4.5 Gcal/h	Petcoke	2015
11	Votorantim Cimentos	Primavera – PA Brazil	HGG using Diesel Oil for Cement Mill	1 x 6.4 Gcal/h	Diesel Oil	2015
10	Votorantim Cimentos	Edealina – GO Brazil	HGG using Diesel Oil for Cement Mill	1 x 5.2 Gcal/h	Diesel Oil	2015
9	Votorantim Cimentos	Rio Branco – PR Brazil	HGG using LFO and Natural Gas for 1 Sand Mill (A10)	1 x 3.2 Gcal/h	LFO and Natural Gas	2015
8	Cimento Apodi	Quixeré – CE Brazil	Design of Pulverized Petcoke/Coal, Fuel Dosing, Pneumatic Conveying, Primary Air Supply, Piping and Accessories – Precalciner Combustion Chamber System	2 x 6 Gcal/h	Petcoke and Coal	2014
6	Votorantim Cimentos	Votorantim – SP Brazil	HGG using LFO for Cement Mill O&K FLS	1 x 6 Gcal/h	LFO	2013
5	Votorantim Cimentos	Rio Branco – PR Brazil	HGG using LFO and Natural Gas for 2 Cement Mills O&K FLS	2 x 1.3 Gcal/h	LFO and Natural Gas	2012



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SEQ.	CLIENT	PLANT	DESCRIPTION	THERMAL CAPACITY	FUEL	YEAR
4	Votorantim Cimentos	Cuiabá – MT Brazil	HGG using LFO for 2 Cement Mills O&K FLS	1 x 1.5 Gcal/h 1 x 6 Gcal/h	LFO	2012
3	Votorantim Metais Níquel	Niquelândia – GO Brazil	Design of Pulverized Petcoke Combustion System for a Hot Gas Generator of a Nickel Ore Reduction kiln – Area 500	6 x 2 Gcal/h	Petcoke	2011
2	Cimento Tupi	Volta Redonda – RJ Brazil	Design of Pulverized Petcoke/Coal Combustion Chamber, Fuel Dosing, Pneumatic Conveying, Coal Silo, Primary Air Supply, Piping and Accessories – Slag Drier Combustion System	1 x 10 Gcal/h	Petcoke and Coal	2010
1	Votorantim Metais Níquel	Niquelândia – GO Brazil	Design of Pulverized Petcoke Combustion System for a Hot Gas Generator of a Nickel Ore Drier/Crusher/Mill – Area 300 South Plant	1 x 12 Gcal/h	Petcoke	2010