

## REFERENCE LIST CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Alternative Fuels	2019	Republic of Korea	Yeongwol	Ssanyong Cement	Ssanyong Cement	Erection of RM Double 2.50	ENG+Supply	*not finished	
Cement	Alternative Fuels	2019	Republic of Korea	Donghae	Ssanyong Cement	Ssanyong Cement	Erection of RM Double 2.50	ENG+Supply	*not finished	
Cement	Study	2019	Austria	Kirchdorf an der Krems	Kirchdorfer Zementwerk	Kirchdorfer Zementwerk	Feasibility Study Calciner	Study	*not finished	
Cement	Bypass	2018	Turkey	Aliacem	Aliacem s.r.o.	Aliacem s.r.o.	Quenching Chamber, ENG for Bypass System	ENG+Supply		
Cement	Bypass	2018	Czech Republic	Prague	Cemex Czech Republic s.r.o.	Cemex Czech Republic s.r.o.	Bypass Quench, Bypass Flap	ENG+Supply		
Cement	Preheater	2018	Egypt	Maadi	Suez Cement	Heidelberger Group	Pendulum Valves	ENG+Supply		
Cement	Study	2018	Italy	Bergamo	ITALSACCI S.P.A.	ITALSACCI S.P.A.	Implementation Study	Study		
Cement	Alternative Fuels	2018	Ethiopia	Mekelle	Messebo Cement Factory	Messebo Cement Factory	Steel wire for staw bales	ENG+Supply		
Cement	Preheater	2018	Honduras		Cementos del Norte S.A.	Cementos del Norte S.A.	Dip Tube & Hurrivane	ENG+Supply		
Cement	Study	2018	Spain	Madrid	LafargeHolcim	LafargeHolcim	Study regarding Bypass Optimization & ReduDust concept	Study		
Cement	Alternative Fuels	2018	Italy	Ternate	Holcim Italia S.P.A.	Holcim Italia S.P.A.	Safety isolation of mills	ENG+Supply		
Cement	Study	2018	Romania	Bucarest	CRH Romania S.A.	CRH Romania S.A.	Study regarding Production Increase	Study		
Cement	Study	2018	Egypt	Alexandria	AMCC Amreyah Cement Company SAE	AMCC Amreyah Cement Company SAE	Study regarding kiln 1	Study		

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Cement	Preheater	2018	Austria	Wopfing	Baunit GmbH	Baunit GmbH	Tertiary Air System	ENG+Supply		
Cement	Study	2018	Japan	Tagawa	ASO Cement	ASO Cement	Study regarding Production Increase	Study		
Cement	Preheater	2018	Turkey	Baticim	Baticim Cimento	Baticim Cimento	Pendulum Flap	ENG+Supply		
Cement	Bypass	2018	Poland	Warsaw	Cemex	Cemex	Bypass quench	ENG+Supply		
Cement	Preheater	2017	Turkey	Yuva Koyu	BOLU Cimento SAN A.S.	BOLU Cimento SAN A.S.	Preheater modification + Bypass	ENG+Supply	*not finished	
Cement	Preheater	2017	Austria	Retznei	LafargeHolcim	LafargeHolcim	Modification of the existing cement plant	ENG+Supply	*not finished	
Cement	Study	2017	Romania	Bucarest	CRH Romania	CRH Romania	Study regarding Production Increase	Study		
Cement	Preheater	2017	Germany	Göllheim	Dyckerhoff	Dyckerhoff	ENG+Supply of Meal Chute, Pendulum Flaps	ENG+Supply		
Cement	Hurriclon	2017	Austria	Krems an der Donau	Ceatec	Ceatec	ENG+Supply of 4 Hurriclons	ENG+Supply		
Cement	Preheater	2017	Spain	Lemona	Cementos Lemona	CRH Group	Supply of A TEC Adjustable splash box	ENG+Supply		
Cement	Preheater	2017	Turkey	Ereke	NUH ÇİMENTO SAN. A.Ş	NUH ÇİMENTO SAN. A.Ş	Engineering Study & CFD - Calciner Improvement	Study	*not finished	
Cement	Packing	2017	Ethiopia	Dire Dawa	NATIONAL CEMENT S. C.	NATIONAL CEMENT S. C.	Supply of 50 tph Jumbo Bag Filling Station	ENG+Supply	*not finished	
Cement	Preheater	2017	USA	Alamo	Buzzi USA	Buzzi Unicem	Basic Design study - Meal chute modifications	Study		

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Cement	Coal Mill	2017	Peru	Juliaca	Loesche America	Loesche GmbH	Engineering of Pre-dedusting Cyclone for Coal Mill	ENG		
Cement	Cement Mill	2017	Denmark	Aalborg	Aalborg Portland A/S	Cementir	Audit Cement Mill	Study		
Cement	Raw Mill	2017	Belarus	Chenki	Loesche GmbH	Loesche GmbH	Engineering of 2 HURRICLON® & supply of 2 HURRIVANE® for Raw Mill dedusting	ENG+Supply		
Cement	Preheater	2017	Egypt	Quattamaia	Suez Cement	ITALCEMENTI/HEIDELBERGER	Supply of Pendulum Valve DN 800	ENG+Supply		
Cement	Alternative Fuels	2017	Slovakia	Turna Nad Bodvue	CRH (Slovensko) a.s.	CRH	BASIC DESIGN SAF FEEDING TO KILN RISER DUCT & Comissioning Services	ENG & Services		
Cement	Consulting	2017	Japan	Tagawa	ASO Cement	Lafarge-Holcim	Technical & Financial Feasibility Study for Plant Upgrade	Study		
Waste	Alternative Fuels	2017	USA	Berkeley	Loesche Energy Systems Limited	Loesche GmbH	Supply of 2 A TEC ROCKET MILLS for Waste Processing Plant - Berkeley	ENG+Supply		
Waste	Alternative Fuels	2017	USA	Berkeley	Loesche Energy Systems Limited	Loesche GmbH	Engineering for A TEC ROCKET MILL	ENG		
Ore	Hurriclon	2017	Germany	CEATEC	Ceatec Germany GmbH	CEATEC	Supply of HURRICLON® 850 CT	Supply		
Cement	Preheater	2017	South Africa	Pretoria	Pretoria Portland Cement	Pretoria Portland Cement	Spare flap blade DN 500 for Pendulum Flap	Supply equipment		
Cement	Preheater	2017	Austria	Mannersdorf	Lafarge Zementwerke GmbH	Lafarge-Holcim	Supply of HURRIVANE for top stage cyclones	ENG+Supply		
Cement	Preheater	2017	Italy	Guidonia	Buzzi Unicem	Buzzi Unicem	Supply of 4 splash boxes for Preheater Tower	ENG+Supply		
Cement	Consulting	2017	Angola	Luanda	Nova Cimangola II S.A.	Nova Cimangola	EPCM for construction of 5.000 tpd Greenfield Clinker and Cement Plant - Commissioning Assistance	Consulting		

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Cement	Preheater	2017	Italy	Siniscola	Buzzi Unicem	Buzzi Unicem	Supply of A TEC Adjustable splash box, Splash Box & meal chutes	ENG+Supply		
Cement	Preheater	2017	Denmark	Aalborg	Aalborg Portland A/S	Cementir	Preheater upgrade and retrofit with New Calciner / Post Combustion Chamber to increase the production and to use AF	ENG+Supply		
Cement	Bypass	2016	Germany	Wössingen	Opterra Wössingen GmbH	CRH Group	Assistance for Bypass Operation	Consulting		
Cement	Bypass	2016	Saudi Arabia	Yanbu	Yanbu Cement Co.	Yanbu Cement Co.	Bypass System Audit	Study		
Cement	Preheater	2016	Austria	Mannersdorf	Lafarge Zementwerke GmbH	Lafarge-Holcim	Supervision Services & Consulting for Preheater Upgrade Project	Consulting EPC		
Cement	Preheater	2016	Italy	Ternate	Lafarge-Holcim	Lafarge-Holcim	Supply of spare part pendulum flap	Supply		
Cement	Preheater	2016	Cyprus	Cyprus	Vassiliko Cement		Supply of A TEC Pendulum Flap & Supervision Service	Supply & Service		
Cement	Mercury Bypass	2016	Germany	Allmendingen	Scheuch GmbH		Engineering & Supply of XMERCURY Bypass plant	ENG+Supply		
Cement	Bypass	2016	Cyprus	Cyprus	Vassiliko Cement		TECHNICAL ASSISTANCE FOR BYPASS COMMISSIONING	Consulting		
Cement	Bypass	2016	Germany	Wössingen	Opterra Wössingen GmbH	CRH Group	Plant Investigation - Assistance for Bypass Operation	Consulting		
Cement	Preheater	2016	Bosnia and Herzegovina	Lukavac	Aliacem s.r.o. / Fabrika cementa Lukavac D.D.	Fabrika cementa Lukavac D.D.	CALCINER MODIFICATION - A TEC KEY EQUIPMENT	ENG+Supply		
Cement	Raw Mill	2016	Turkey	Vize	Tracim Cimento San Tic. A.S.	Tracim Cimento	REPLACEMENT OF RAW MILL CYCLONES WITH A TEC HURRICLON® - SUPPLY OF 4 HURRIVANE®	ENG+Supply		
Waste	Alternative Fuels	2016	Slovenia	Anhovo	Salonit Anhovo gradbeni materiali, d.d.	WIETERSDORFER & PEGGAUER	WITH A TEC HURRICLON®	Study+Engg.		

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Cement	Preheater	2016	Austria	Mannersdorf	Lafarge Zementwerke GmbH	Lafarge-Holcim	Preheater upgrade with Post Combustion Chamber to increase the production and to use AF up to 90%	ENG+Supply		
Cement	Bypass	2016	Poland	Kujawy	Lafarge Cement S.A. (Kujawy works)	Lafarge-Holcim	Bypass System	ENG+Supply		
Cement	Hurricon	2016	Germany	CEATEC	CEATEC	CEATEC	Supply of 2 HURRICLON®	Supply		
Cement	Preheater	2016	Austria	Gartenau	Zementwerk Leube GmbH	Leube GmbH	Supply of spare part pendulum flap	Supply		
Cement	Raw Mill	2016	Pakistan		Loesche GmbH	Loesche GmbH	HURRICLON for raw mill department	ENG+Supply		
Cement	Bypass	2016	Bulgaria	Zlatna Panega	TITAN Cement Bulgaria	Titan	Bypass System	ENG+Supply		
Cement	Coal Mill	2016	Turkey	Batiçim Söke	Baticim Cimento	Bati Anadolu	A TEC Opticoal System, HURRICLON®	ENG+Supply		
Waste	Alternative Fuels	2016	Austria	Wr. Neustadt	.A.S.A.	FCC Group	A TEC ROCKET MILL Preparation of fuel for clients	ENG+Supply		
Cement	Preheater	2016	France	Couvrot	Ciments Calcia - Italcementi Group	ITALCEMENTI GROUP	Supply of 2 pendulum flaps incl. Engineering	Supply		
Cement	Coal Mill	2016	Egypt	Alexandria	Titan Cement Egypt	Titan	Engineering and equipment for coal mill dedusting	ENG+Supply		
Cement	Preheater	2016	Austria	Gartenau	Zementwerk Leube GmbH	Leube GmbH	Supply of TAD Gate and Pendulum Flap	Supply		
Cement	Cement Mill	2015	Thailand	Kaeng khoi	Siam cement Co. Ltd.	SCG	SUPPLY OF HURRIVANE® FOR CEMENT MILL	Supply		
Cement	Clinker Cooler	2015	Brazil	Arcos	CSN Cimentos	Companhia Siderurgica Nacional	Clinker cooler dedusting	ENG		

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Cement	Preheater	2015	Germany	Rohrdorf	Südbayerisches Portland Zementwerk	ROHRDORFER ZEMENT	Spare Parts for Kiln Inlet Sealing	Supply		
Cement	Preheater	2015	Angola	NOVA CIMANGOLA	Sinoma International Engineering	Sinoma	ENGINEERING FOR EXTERNAL COMBUSTION CHAMBER	ENG		
Waste	Alternative Fuels	2015	Egypt	Misr Quena	Aresco	Asec for Manufacturing and Industrial Projects	Alternative Fuel Storage and Dosing System Engineering – Basic Design Review of Engineering	ENG+Study		
Waste	Alternative Fuels	2015	Egypt	Minya	Aresco	Asec for Manufacturing and Industrial Projects	Alternative Fuel Storage and Dosing System Engineering – Basic Design Review of Engineering			
Cement	Bypass	2015	Poland	Chelm	Cemex polska Sp Z o.o.	Cemex	Bypass Quench	Supply		
Cement	Preheater	2015	Italy	Ternate	Lafarge-Holcim	Holcim	supply & engineering of 4 HEC cyclones	ENG+Supply		
Cement	Bypass	2015	Slovakia	Rohoznik	Holcim Slovensko a.s.	Holcim	Quench	Supply		
Cement	Bypass	2015	Czech Republic	Prochowice	Cemex Cement, k.s.	Cemex	Bypass Quench incl. Flap	Supply		
Cement	Consulting	2015	Austria	Wopfingen	Wopfinger Baustoffindustrie GmbH	Wopfinger	Feasibility study	Study		
Cement	Preheater	2015	Denmark	Aalborg	Aalborg Portland A/S	Cementir	CFD Calciner Study	ENG		
Cement	Consulting	2015	Angola	Luanda	Nova Cimangola II S.A.	Nova Cimangola	EPCM for construction of 5.000 tpd Greenfield Clinker and Cement Plant	ENG+Supply		
Cement	Preheater	2015	Thailand	Kaeng khoi	Siam cement Co. Ltd.	SCG	Plant investigation	Study		
Cement	Preheater	2015	Turkey	Cimko Çimento Narlı (Gaziantep)	Cimko	Cimko	Supply of 2 units of pendulum flap	Supply		

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Cement	Preheater	2015	Turkey	Batiçim Izmir	Baticim Cimento	Baticim	PH upgradtion to increase the production and to use AF up to 40%	ENG+Supply		
Cement	Preheater	2015	Poland	Lafarge cement	Lafarge cement	Lafarge cement	Plant Audit	Study		
Cement	Raw Mill	2015	Thailand	Khao Wong plant	Siam cement Co. Ltd.	SCG	Hurrivanes for RM cyclones	Supply		
Cement	Preheater	2015	Vietnam	Hong Chong	Holcim	Holcim	Plant investigation	Study		
Cement	Coal Mill	2015	Egypt	Beni suef company	Titan	Titan	Coal mill hot gas dedusting system	ENG+Supply		
Cement	Preheater	2015	Turkey	Kars Cimento	Cimentas	Cimentas	PH modification to increase the production	ENG+Supply		
Cement	Preheater	2015	Poland	Cemex polska Sp Z o.o.	Cemex polska Sp Z o.o.	Cemex	Plant investigation	Study		
Cement	Raw Mill	2015	Thailand	Thung song	Siam cement Co. Ltd.	SCG	Hurrivanes for RM cyclones	Supply		
Cement	Raw Mill	2015	Thailand	Ta Luang	Siam cement Co. Ltd.	SCG	Hurrivanes for RM cyclones	Supply		
Cement	Raw Mill	2015	Thailand	Lampang	Siam cement Co. Ltd.	SCG	Hurrivanes for RM cyclones	Supply		
Cement	Alternative Fuels	2015	Germany	Karsdorf	Lafarge	Lafarge	Basic engg for AF feeding system	ENG		
Cement	Hurriclion	2015	Germany	CEATEC	CEATEC	CEATEC	Supply of 1 hurriclion	Supply		
Cement	Coal mill	2015	Macedonia	Cementarnica USJE AD skopje	Titan	Titan	Coal mill dedusting system	ENG+Supply		

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Cement	Preheater	2015	Egypt	Beni suef company	Titan	Titan	Plant investigation & Engg.	Study+Engg.		
Cement	Alternative Fuels	2015	Ethiopia	Dire dawa	National cement	National cement s.c.	AF storage an dfeeding system	ENG+Supply		
Cement	Preheater	2015	Italy	Buzzi Unicem s.p.a	Buzzi cement	Buzzi cement	PH and calciner modification	ENG+Supply		
Cement	Raw Mill	2015	Thailand	Thung song	Siam cement Co. Ltd.	SCG	Hurrivanes for RM cyclones	Supply		
Cement	Preheater	2015	Austria	Mannesdorf	Lafarge	Lafarge	Study and basic engg for the PH modification	ENG+Supply		
Cement	Raw Mill	2015	Thailand	Lampang	Siam cement Co. Ltd.	SCG	Hurrivanes for RM cyclones	Supply		
Cement	Preheater	2015	Thailand	Kaeng khoi	Siam cement Co. Ltd.	SCG	Plant investigation	Study		
Cement	Preheater	2015	Italy	Ternate	Holcim Italia	Holcim	Modification of raw mill cyclones	ENG + Supply		
Cement	Preheater	2015	Austria	Leube Zement	Leube GmbH	Leube GmbH	quenching chamber	Supply		
Cement	Preheater	2015	France	Liban	Holcim SAL	Holcim	hot meal chute modification	ENG		
Cement	Raw Mill	2015	Thailand	Khao Wong plant	Siam cement Co. Ltd.	SCG	Hurrivanes for RM cyclones	Supply		
Cement	Alternative Fuels	2014	Austria	Wietersdorf	w&p group	W&P	Preparation of fuel for main burner	ENG+Supply		
Cement	Preperation	2014	Austria	Wietersdorf	w&p group	W&P	Preparation of fuel for main burner	ENG+Supply		



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Cement	Raw Mill	2014	Thailand	Khao Wong plant	Siam cement Co. Ltd.	SCG	Hurricanes for RM cyclones	Supply		
Cement	Alternative Fuels	2014	Ethiopia	Mekelle	Messebo Building Materials	Messebo	fire fighting system & set of wires for ball press	Supply		
Cement	Consulting	2014	Russia	Belgorodsky	JSC Belgorodsky Cement	Eurocement	EPC services	EPC		
Cement	Preheater	2014	Italy	Ternate	Holcim Italia	Holcim	preheater modification	ENG + Supply		
Cement	Consulting	2014	Russia	Ulyanovsk	Ulyanovskcement JSC	Eurocement	EPC services	EPC		
Cement	Bypass	2014	Egypt	Assiut	Assiut Cement Company	Cemex	Bypass Equipment, Fresh Air Control Flap	ENG + Supply		
Cement	Consulting	2014	Angola	Luanda	Nova Cimangola	Nova Cimangola	Project Management Cost Pre-Contract Period for EPCM for new production line	Consulting		
Cement	Consulting	2014	Austria	Wopfinger	Wopfinger Baustoffindustrie	Wopfinger	Study and experiments on heavy metal reduction	Audit		
Cement	Preheater	2014	Südafrika	De Hoeck	Pretoria Portland Cement Corp	Pretoria Portland	Pyro Process Audit, Twin Pendulum Flap	Audit + Supply		
Cement	Consulting	2014	Russia		OAo Holcim Russia	Holcim	Basic Design Study for hot meal inlet	Audit		
Cement	Consulting	2014	Austria		Bernegger GmbH	Bernegger	Feasibility study	Audit		
Cement	Consulting	2014	Russia	Oskol	Oskolcement JSC	Lafarge	Evaluation of Engineering, Procurement & Construction (EPC) bids received from the Oskolcement JSC Large Scale Capital Expenditure (CAPEX) project	Audit		
Cement	Preheater	2014	Turkey	Akçansa Canakkale	Akçansa Cimento	Akçansa	Preheater Optimization K1	ENG		

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Cement	Preheater	2014	Austria	Wietersdorf	Wietersdorf & Peggauer Zement GmbH	W&P	ExMercury system	ENG + Supply		
Cement	Preheater	2014	Turkey	Yibitas Yozgat	Yibitas Yozgat Isci Birliđi Insaat Malzemeleri Ticaret ve Sanayi AS	Votorantim	preheater and raw mill exhaust gas plant audit	Audit		
Cement	Preheater	2014	Austria	Wopfing	Wopfinger Baustoffindustrie	Wopfinger	Equipment for cyclone modification	Supply		
Power	Preheater	2014	Germany		Richard Kablitz & Mitthof GmbH	Kablitz	Hot gas cyclones	ENG + Supply		
Cement	Preheater	2014	Italy	Augusta	Buzzi Unicem	Buzzi Unicem	Engineering & CFD modelling in cooperation with Aixergee	ENG		
Cement	Preheater	2014	Romania	Alesd	Holcim Romania	Holcim	expansion joints and engineering cyclone modification	ENG + Supply		
Cement	Preheater	2014	Ireland	Killaskillen	Lagan Cement Ltd	Lagan	splash box DN 600	ENG + Supply		
Cement	Bypass	2014	Denmark	Aalborg	Aalborg Portland A/S	Cementir	Chlorine bypass modification: New water spraying system	ENG + Supply		
Cement	Preheater	2014	Portugal		Cimpor Cimentos	Cimpor	Hurrivane	ENG + Supply		
Cement	Alternative Fuels	2014	Austria	Wietersdorf	Wietersdorf & Peggauer Zement GmbH	W&P	Rocket Mill	ENG + Supply		
Cement	Coal Mill	2014	Macedonia	Usje	Titan Usje	Titan	investigation for modification of coal mill drying gas dedusting	Audit		
Cement	Preheater	2014	Austria	Mannersdorf	Lafarge Zementwerke GmbH	Lafarge	Hurrivane and tip tubes	ENG + Supply		
Cement	Preheater	2014	Turkey	Elaziđ	Çimentaş Elaziđ	Cementir	Preheater Optimization Phase 1 (Top Stage & Second Stage cyclones, riser ducts and meal pipes)	ENG		

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Cement	Preheater	2014	Turkey	Çanakkale	Akçansa Çimento	Akçansa	Plant Assessment for Preheater Optimization	Audit		
Cement	Preheater	2014	Turkey	Samsun/Ladik	Akçansa Çimento	Akçansa	Plant Assessment for Preheater Optimization	Audit		
Cement	Preheater	2014	Czech Republic	Hranice	Cement Hranice		Preheater/Calciner Modification incl. high efficiency calciner with A TEC Post Combustion Chamber (PCC) and Low-NOx Stack Emission	Turnkey		
Cement	Bag Filling Station	2013	Ethiopia	Mekelle	Messebo Building Materials	Messebo	Big bag filling station	turn key		
Cement	Preheater	2013	Austria	Wopfing	Wopfinger Baustoffindustrie GmbH	WOPFING	Rebuild Kiln inlet chamber	Supply equipment		
Cement	Study	2013	Russia	Slantsy	Cement LLC	Cement LLC	RDF Implementation feasibility study	ENG		
Cement	Bypass	2013	Poland	Piechcin	Lafarge	Lafarge	Bypass Quench	Supply equipment		
Cement	Consulting	2013	Azerbaijan	Baku	Norm LLC	Norm LLC	Consulting for complete line	ENG		
Cement	Clinker Cooler	2013	Austria	Wietersdorf	Wietersdorfer & Peggauer	WIETERSDORFER & PEGGAUER	Dedusting Cyclone	Supply equipment		
Cement	Preheater	2013	Belarus	Minsk	NPP Energo Nefte	NPP	Pendulum Flaps 3 pcs DN500, 1 pc DN700	Supply equipment		
Cement	Preheater	2013	Czech Republic	Hranice	Cement Hranice	Buzzi Unicem	Rebuild Calciner	Supply equipment		
Cement	Study	2013	Irak	Bazyan	Mass Iraq	Mass Group	Study Alternative fuel preparation plant	ENG		
Cement	Preheater	2013	South Africa	Pretoria	Pretoria Portland Cement	Pretoria Portland Cement	Pendulum Flaps DN 450 & DN700	Supply equipment		

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Cement	Consulting	2013	Sambia	Lusaka	Dangote	Dangote	EPCM for new production line	EPCM		
Cement	Alternative Fuels	2013	Ethiopia	Mekelle	Messebo Building Materials	Messebo	Alternative Fuel Biomass Firing plant	EPCM		
Cement	Coal Mill	2013	Turkey	Gaziantep	Çimko Çimento	Çimko	Plant Assessment Coal Mill Dust Reduction	Audit		
Cement	Fuel Mill	2013	GTM	San Miguel	Progreso		Equipment Opticoal before Fuel Mill	Hurrivane		
Cement	Bypass	2013	PER	Arequipa	Cem Yura		Bypass	Bypass		
Cement	Preheater	2013	Italy	Ternate	Holcim Italia S.p.A.	HOLCIM	Modification Tertiary Air Duct	Supply equipment		
Cement	Bypass	2013	Italy	Ternate	Holcim Italia S.p.A.	HOLCIM	Bypass modification	Supply equipment		
Cement	Preheater	2013	Italy	Ternate	Holcim Italia S.p.A.	HOLCIM	Cyclone stage 2 and meal duct modification	Supply equipment		
Cement	Preheater	2013	BRA	Sao miguel	ATBR		Preheater Upgrade	ENG		
Cement	Preheater	2013	MEX	Orizaba	Holcim Apasco	HOLCIM	TAD Eng	ENG		
Cement	Preheater	2013	India	Bhatapara	Ambuja Cement	HOLCIM	Preheater Audit	Audit		
Cement	Preheater	2013	USA	Speed	Essroc	Italcementi	Design of stage 2 spash box	ENG		
Cement	Preheater	2013	CHL	Caleras	Melon		Installation supervisor	Supervision		

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Cement	Raw mill	2013	Thailand	Pukrang	ASIA CEMENT	ITALCEMENTI	HURRIVANE for Raw Mill CyClones	ENG Supply		
Cement	Alternative Fuels	2013	Philippines	Apo	Cemex Philippines	CEMEX	Engineering new ID fan, RDF feeding system and Combustion Chamber for Preheater	ENG		
Cement	Preheater	2013	Switzerland	Wildegg	ABB Schweiz AG	ABB	Waste heat recovery	Supply equipment		
Cement	Preheater	2013	PER	Piura	Loesche Latinoamericana, S.A.U.		HU for raw mill	HU		
Cement	Bypass	2012	Austria	Wopfing	Wopfinger Baustoffindustrie GmbH	WOPFING	Engineering for AL skimmings and mercury	ENG		
Waste	Alternative Fuels	2012	Italy	Somariva del Bosco	S.T.R. S.r.l.	S.T.R. S.r.l.	Preparation of fuel for clients	ENG+Supply		
Cement	Preheater	2012	Philippines	Lugait	Holcim	HOLCIM	New top stage cyclones, engineering and supply	ENG + Supply		
Cement	Alternative Fuels	2012	Philippines	Solid	Cemex Philippines	CEMEX	RDF feeding system main burner	ENG + Supply		
Cement	Coal Mill	2012	Colombia	San Marcos	San Marcos	SAN MARCOS	Quality supervision of the coal mill refurbishment in USA	Supervision	0	8
Cement	Preheater	2012	Honduras	San Pedro Sula	CEMENTOS DEL NORTE	HOLCIM	Alternatives Fuels implementation study	Feasibility Basic ENG	-	-
Cement	Preheater	2012	Honduras	San Pedro Sula	CEMENTOS DEL NORTE	HOLCIM	Energy use study	Feasibility Basic ENG	-	-
Cement	Preheater	2012	Venezuela	Cumarebo	Holcim de Venezuela	HOLCIM	Production Bottlenecks Study	Feasibility Basic ENG	-	-
Cement	Preheater	2012	Venezuela	San Sebastian	Holcim de Venezuela	HOLCIM	Production Bottlenecks Study	Feasibility Basic ENG	-	-

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION	
									Before	After
Cement	Preheater	2012	Belgium	Lixhe	CBR Heidelbergcement Group	HEIDELBERG CEMENT	Splash Box DN600	Supply equipment		
Cement	Preheater	2012	Austria	Wopfing	Wopfinger Baustoffindustrie GmbH	WOPFING	New Calciner Top part (Post Combustion Chamber (PCC)	ENG Supply		
Cement	Preheater	2012	Italy	Robilante	Buzzi Unicem S.p.A.	BUZZI-UNICEM	Improvement of kiln inlet bypass take off orifice Combustion Chamber Precalciner Area	ENG		
Cement	Bypass	2012	Austria	Wietersdorf	Wietersdorfer & Peggauer	WIETERSDORFER & PEGGAUER	Detail engineering for mercury bypass	ENG		
Cement	Raw mill	2012	Germany	Harburg	Märker Zement	MÄRKER ZEMENT	HEC for Raw mill	ENG + HU		
Cement	Bypass	2012	Portugal	Outão	Secil		By-pass system kiln #8 and kiln #9, supply of Equipment and engineering	ENG, Supply equipment		
Cement	Consulting	2012	Angola	Luanda	Nova Cimangola	NOVA CIMANGOLA	EPCM for new production line	EPCM		
Cement	Consulting	2012	Bahrain	Manama	Cemena Holding	CEMENA	Plant investigation	Plant investigation		
Cement	Preheater	2012	South Africa	De Hoek	Pretoria Portland Cement	PPC	Splash Box DN500	Supply equipment		
Cement	Preheater	2012	South Africa	Hercules	Pretoria Portland Cement	PPC	New pendulum flap and splash box DN500	Supply equipment		
Cement	Preheater	2012	Switzerland	Untervaz	Holcim Schweiz	HOLCIM	replacement of HURRICLONE® on top stage	cyclone		
Cement	Alternative Fuels	2012	Germany	Rohrdorf	Südbayerisches Portland-Zementwerk Gebr. Wiesböck & GmbH	ROHRDORFER ZEMENT	Study for tyre feed	Feasibility Basic ENG		
Cement	Raw mill	2012	Austria	Gartenau	Leube GmbH	LEUBE	Engineering, Manufacturing and Erection for Modification of Raw Mill 5 to 3-fan-system	ENG Supply		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Raw mill	2012	Austria	Wietersdorf	Wietersdorfer & Peggauer	WIETERSDORFER & PEGGAUER	Audit on raw mill	audit		
Cement		2012	COL	San Marcos	San Marcos		Commissioning supervision	Supervision		
Cement		2012	COL	San Marcos	San Marcos		Commissioning supervision, additional days	Supervision		
Cement		2012	BRA	Sao miguel	ATBR	Cimpor	PPI Sao Miguel Plant			
Cement	Preheater	2012	COL	Rio Claro	Argos	Argos	Basic Eng for PH upgrade	ENG		
Cement		2012	COL	Rio Claro	Argos	Argos	Mechanical Supervisor	Supervision		
Cement		2012	COL	Rio Claro	Argos	Argos	Mechanical Supervisor, additional days	Supervision		
Cement		2012	COL	Rio Claro	Argos	Argos	Advanced Welding Services	Supervision		
Cement		2012	COL	San Marcos	San Marcos		Commissioning supervision	Supervision		
Cement	Preheater	2012	CHL	Caleras	Melon		New Diptube and fixation	Diptube		
Cement		2012	COL	San Marcos	San Marcos		Commissioning services PM	Supervision		
Cement	Calciner	2012	MEX	Orizaba	Holcim Apasco	Holcim	K2 calciner CFD	ENG		
Cement	Preheater	2012	COL	Rio Claro	Argos	Argos	PV DN 700 & SB	Pendulum flap		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION	
									Before	After
Cement	Alternative Fuels	2011	Philippines	Apo	Cemex Philippines	CEMEX	RDF feeding system main burner	ENG + Supply		
Cement	Alternative Fuels	2011	Philippines	Bulacan	Republic Cement	Lafarge	RDF Feeding engineering, equipment & erection	EPC		
Cement	Alternative Fuels	2011	Philippines	Norzagaray	Republic Cement	Lafarge	RDF Feeding engineering, equipment & erection	EPC		
Cement	Alternative Fuels	2011	Philippines	Teresa	Republic Cement	Lafarge	RDF Feeding engineering, equipment & erection	EPC		
Cement	Alternative Fuels	2011	Philippines	Solid	Cemex Philippines	CEMEX	RDF Feeding equipment	ENG + Supply		
Cement	Preparation and Burning of Alternative fuels	2011	Russia	Belgorod	JSC Belgorodsky Cement	EUROCEMENT	Study for upgrading pyro-process including utilization of alternative fuels	Feasibility Basic ENG		
Cement	Clinker Cooler	2011	Switzerland	Untervaz	ABB Schweiz AG	ABB	Engineering and equipment for hot gas duct for Waste Heat Recovery Clinker cooler	ENG equipment		
Cement	Alternative Fuels	2011	Czech Republic	Horne Srnie	Cemmac A.S.	CEMMAC	Study on Alternative Fuel Utilization Systems & Fuel Processing	Study		
Cement	Consulting	2011	USA	general	Cemex	CEMEX	Consultancy services for technical arbitration	Technical arbitration		
Cement	Consulting	2011	India	Yerraguntla	CTG Italcementi Group	ITALCEMENTI	consulting services for auditing the construction works of a cement production line	Feasibility Basic ENG		
Cement	Consulting	2011	Kongo		Nova Cimangola	NOVA CIMANGOLA	Due diligence study	Due diligence study		
Cement	Consulting	2011	Indonesia	Banda Aceh	PT Lafarge Cement Indonesia	LAFARGE	Witness for the Performance Guarantee Tests of the Clinker Line, Raw Grinding, Coal Grinding and Cement Grinding department and prepare a witness report about the achieved results of such tests	Supervision		
Cement	Consulting	2011	Nigeria	Ashaka	Ashaka Cement	LAFARGE	Claim Audit of Contract Work for Coal mill	Audit		



## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2011	Hungary	Kiralyegyhaza	CBMI Constructions Co. Ltd.	CBMI	Preheater for new production line 2500 tpd	ENG Supply		
Cement	Preheater	2011	Switzerland	Untervaz	ABB Schweiz AG	ABB	Dust transport Supply of rotary valve, compensators, screw conveyors	Supply equipment		
Cement	Preheater	2011	Slovakia	Rohoznik	Holcim Slovakia	HOLCIM	1. The engineering for the dedusting of the kiln before an existing bag house filter. 2. Supply of HEC Cyclone 2000 incl. wear protection 3. Supply of Components	ENG HEC Cyclone Components		
Cement	Preheater	2011	Lebanon	Sibline	Ciment de Sibline S.A.L.	SECIL	Plant investigation Preheater and hot air ducting Kiln #1	Plant investigation		
Cement	Preheater	2011	Turkey	Kahramanmaras	CIMKO CEMENTO	SANKO	Delivery of Pendulum flaps DN800	Supply equipment		
Cement	Preheater	2011	Switzerland	Untervaz	ABB Schweiz AG	ABB	Hot gas duct for WHR	Supply equipment		
Cement	Preheater	2011	Austria	Gartenau	Leube GmbH	LEUBE	Equipment supply Bypass mixing chamber	Supply equipment		
Cement	Preheater	2011	Italy	Merone	Holcim Italia S.p.A.	HOLCIM	Delivery of Pendulum flaps DN600 and Tertiary Air Damper	PF TAD		
Cement	Preheater	2011	Belgium	Lixhe	CBR Heidelbergcement Group	HEIDELBERG CEMENT	Delivery of Pendulum Flaps DN700	PF		
Cement	Preheater	2011	Hungary	Kiralyegyhaza	Ceminvest Consulting Contracting Ltd.	CEMINVEST	Engineering for erection	ENG		
Cement	Bypass	2011	Poland	Ozarow	Grupa Ozarow S.A.	CRH	Basic Engineering and Project Management for Bypass Dust Storage and Dosing System	Feasibility Basic ENG		
Cement	Bypass	2011	Romania	Campulung	Holcim Romania	HOLCIM	The Owner intends to install a chlorine bypass installation at his existing kiln line, in order to be able to co-process fuel with higher content of chlorine.	Feasibility Basic ENG Supply		
Cement	Bypass	2011	Romania	Alesd	Holcim Romania	HOLCIM	The Owner intends to install a chlorine bypass installation at his existing kiln line, in order to be able to co-process fuel with higher content of chlorine.	Feasibility Basic ENG Supply		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Bypass	2011	Latvia	Broceni	Cemex Latvia	CEMEX	Study for Chlorine Bypass Improvement	Feasibility		
Cement	Alternative Fuels	2011	Austria	Wietersdorf	Wietersdorfer & Peggauer	WIETERSDORFER & PEGGAUER	planning works for withdrawal of gas on stage 5 for sewage sludge drying	ENG		
Cement	Alternative Fuels	2011	Brazil	Ijaci	Italcementi	CORREA CAMARGO	Basic Eng for industrial waste conversion into fuel for cement kiln and calciner	ENG	0	180000
Cement	Raw mill	2011	Austria	Wopfing	Wopfinger Baustoffindustrie GmbH	WOPPING	Engineering for modification of exhaust gas after cement kiln, exhaust gas fan, raw meal, thermal post-combustion and waste heat recovery	ENG		
Cement	Clinker Cooler	2011	Korea	Okye	Lafarge Halla Cement	LAFARGE	Clinker cooler dedusting before boiler for heat recovery power generator	ENG + HV		
Cement	Clinker Cooler	2011	Korea	Donghae	Lafarge Halla Cement	LAFARGE	Dedusting of clinker cooler hot gas use for waste heat power generator	HV ENG		
Cement	Preheater	2011	BRA	Arcos	ATBR	CSN	Plant investigation	audit		
Cement	Preheater	2011	COL	Ibague	IMSACOL	Cemcolsa	Preheater 440/750 t/d; Basic Eng	ENG		
Cement	Clinker Line	2011	ECU	Chimborazo	Pifem		Basic Eng for new clinkering line	ENG		
Cement	Clinker line	2011	ECU	Chimborazo	Pifem		Basic Eng for new clinkering line, added Eng	ENG		
Cement		2011	ECU	Guapan	Industrias Guapan		Plant investigation	audit		
Cement	Preheater	2011	MEX	Orizaba	Holcim Apasco	Holcim	2x PV700	Pendulum flap		
Cement		2011	COL	Rio Claro	Argos	Argos	Plant investigation	audit		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION	
									Before	After
Cement	Preheater	2011	USA	Speed	Essroc	Italcementi	Splashbox for C3	Splashbox		
Cement	Consulting	2010	Egypt	Wadi Degla	Wadi Degla Holding	WADI DEGLA	Consultancy services for a new slagstar production	Feasibility Basic ENG		
Cement	Consulting	2010	Angola	Cimangola	Nova Cimangola	NOVA CIMANGOLA	Consultancy services for tender evaluation and associated services for a 5000 tpd cement plant	Feasibility Basic ENG		
Cement	Consulting	2010	Saudi Arabia	general	Al Safwa Cement Company	LAFARGE	A TEC was contracted to perform project audits on the project management performance of the suppliers consortium for a Greenfield cement production facility.	Project audit		
Cement	Preheater	2010	Venezuela	Cumarebo	Holcim de Venezuela	HOLCIM	Production Bottlenecks Study	Feasibility Basic ENG	-	-
Cement	Preheater	2010	Venezuela	San Sebastian	Holcim de Venezuela	HOLCIM	Production Bottlenecks Study	Feasibility Basic ENG	-	-
Cement	Preheater	2010	Austria	Gartenau	Leube	LEUBE	Supply compensators	Supply		
Cement	Preheater	2010	Austria	Gartenau	Leube	LEUBE	Technical evaluation of the plant optimisation as well as viability of tyre combustion.	EPCM		
Cement	Preheater	2010	USA	Stockerton	Hercules Cement	BUZZI-UNICEM	Pendulum flaps	PF	-	-
Cement	Preheater	2010	Switzerland	Untervaz	ABB Schweiz AG	ABB	Study waste heat recovery at Holcim Untervaz Detail Engineering & Project Management	Feasibility ENG		
Cement	Preheater	2010	South Africa	Hercules	Pretoria Portland Cement	PPC	process design, basic engineering and technical evaluation of the recommended options for the modernization of the pyro-section with main emphasis on the preheater-calciner section	Plant investigation		
Cement	Preheater	2010	China	Kiralyegyhaza	CBMI	CBMI	Burning chamber for Preheater for new production line 2500 tpd	Burning chamber		
Cement	Preheater	2010	Finland	Parainen	Finnsementi	CRH	Increase the production from 2.600 to 3.000 t/d 1. Plant investigation 2. Modification of Preheater Tower Stage 3 and 4 with new meal pipes, pendulum flaps, splash boxes, compensators	Plant investigation	2600	3000

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2010	Austria	Mannersdorf	Lafarge Permooser GmbH	LAFARGE	Study and engineering hot gas expansion joint	Study		
Cement	Preheater	2010	Germany	Wössingen	Lafarge Zement Wössingen GmbH	LAFARGE	Commissioning and modification of pendulum flaps	PF		
Cement	Preheater	2010	Belgium	Lixhe	CBR Heidelbergcement Group	HEIDELBERG CEMENT	cyclone to separate dust from a pneumatic transport	HU		
Cement	Preheater	2010	India	Chandera	Chandera Cement Works Ltd	BIRLA CORP	A TEC is completing major preheater modification at this plant, including DCD, all five cyclones, all riser ducts, calciner to reduce fuel consumption and pressure drop and firing of 100% petcoke	ENG + HU + HV + Pendulum Flaps		
Cement	Bypass	2010	Poland	Ozarow	Grupa Ozarow S.A.	CRH	Scope of the supply refers to the installation of a bypass system designed for a 10% bypass rate. 1. Basic Engineering & Project Management 2. Equipment & Supervision of Erection and Commissioning 3. EPCM	Feasibility Basic ENG Supply		
Cement	Bypass	2010	Poland	Chelm	Cemex Polska	CEMEX	Supply of a quench	quench		
Cement	Bypass	2010	Poland	Ozarow	Grupa Ozarow S.A.	CRH	A TEC Engineering Supply for ByPass System	Feasibility Basic ENG		
Cement	Alternative Fuels	2010	Philippines	Solid	Cemex Philippines	CEMEX	Engineering for alternative fuel feed to calciner	Feasibility ENG		
Cement	Alternative Fuels	2010	Egypt	El Soukhna plant	Lafarge Egypt Cement	LAFARGE	Supply swing chute for alternative fuels infeed	Swing Chute		
Cement	Alternative Fuels	2010	United Kingdom	Padeswood	Castle Cement	HEIDELBERG CEMENT	Complete new fuel feed chute (Swing Chute) for alternative fuels infeed to existing calciner	Swing Chute		
Cement	Alternative Fuels	2010	Egypt	El Soukhna plant	Lafarge Egypt Cement	LAFARGE	Engineering for alternative fuel utilisation system plastic and paper	Feasibility Basic ENG		
Cement	Alternative Fuels	2010	Poland	Ozarow	Grupa Ozarow S.A.	CRH	Study for alternative fuel dosing system	Feasibility Basic ENG		
Cement	Raw mill	2010	Ecuador	Llama	CBMI (China) for Lafarge Llama	LAFARGE	Flash Dryer for pozzolan drying	ENG		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Coal Mill	2010	Colombia	San Marcos	San Marcos	SAN MARCOS	Quality supervision of the coal mill refurbishment in USA	Supervision	0	8
Cement	Preheater	2010	Colombia	San Marcos	San Marcos	SAN MARCOS	Process eng and PH basic design 300*600 t/d	ENG		
Cement	Kiln	2010	Colombia	San Marcos	San Marcos	SAN MARCOS	Quality Assurance for kiln in China	ENG		
Cement	Coal Mill	2010	USA	Cabot	Armstrong Cem		2x HU for coal mill dedusting	HU		
Cement	Preheater	2010	Chile	Caleras	Melon		HV 2450	HV		
Cement	Preheater	2010	Chile	Caleras	Melon		Installation services	Supervision		
Cement	Preheater	2010	Colombia	San Marcos	San Marcos		Hardware for PH	Preheater		
Cement	Preheater	2010	CAN	Mississauga	Holcim (Canada)	Holcim	Hurrivane for ST2 x2	HV		
Cement	Preheater	2010	CAN	Mississauga	Holcim (Canada)	Holcim	Diptube for ST2 x2	Diptube		
Cement	Consulting	2009	Nigeria	Ashaka	AshakaCem PLC	LAFARGE	The client requests a third party audit on the status of the engineering and supply of the new preheater equipment at the Lafarge Ashaka plant	Technical arbitration		
Cement	Consulting	2009	Germany	Wössingen	Lafarge Zement Wössingen GmbH	LAFARGE	EPCM services for new production Line	EPCM		
Cement	Consulting	2009	United Arabian Emirates	Dhafra	Al Dhafra Cement	Al Dhafra Cement	New cement production facility 5000 t/day clinker production	Feasibility Basic ENG		
Cement	Bypass	2009	Germany	Wössingen	Lafarge	Lafarge	Bypass system	ENG + Supply		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2009	Germany	Wössingen	Lafarge Zement Wössingen GmbH	LAFARGE	Engineering of preheater and supply of key equipment	ENG + Supply		
Cement	Preheater	2009	Honduras	Piedras Azules	Lafarge Incehsa	LAFARGE	Optimization of the preheater. Installation a new downcomer duct for hot gases from preheater to centrifugal fan.	Downcomer duct	1850	1900
Cement	Preheater	2009	Italy	Grigolin	Grigolin Group	GRIGOLIN GROUP	Feasibility Study to verify the feasibility of a 2.200 t/d clinker production facility in line with the height limitation pointed out by the client.	Feasibility Basic ENG		
Cement	Preheater	2009	India	Pullyur Cement Factory	Chettinad Cement Corp	CHETTINAD CEMENT CORP LTD	Pyro Process Audit	Audit		
Cement	Preheater	2009	Honduras	San Pedro Sula	CEMENTOS DEL NORTE	HOLCIM	Energy use study	Feasibility	-	-
Cement	Preheater	2009	Poland	Malogoszcz	Lafarge Cement S.A.	LAFARGE	Supply Pendulum flap	Pendulum flap		
Cement	Preheater	2009	Austria	Gartenau	Leube GmbH	LEUBE	Study for optimization potential on site & tire combustion rotary kiln	Feasibility		
Cement	Preheater	2009	Egypt	Assiut	Assiut Cement Company	CEMEX	Optimization of the existing preheater by modifying the down comer duct	Downcomer duct		
Cement	Preheater	2009	Austria	Vils	Schretter & CIE	SCHRETTNER & CIE	Modification inlet chamber and mealpipe	Mealpipe		
Cement	Preheater	2009	Italy	Ternate	Holcim Italia S.P.A.	HOLCIM	Cyclone stage 1 and calciner duct modification Delivery and erection Engineering tertiary air duct	Calcliner duct modification		
Cement	Preheater	2009	United Kingdom	Ketton works	Castle Cement Ltd	HEIDELBERG CEMENT	Supply of 2 Pendulum flaps	PF		
Cement	Preheater	2009	France	Usine de Gargenville	Ciments Calcia	ITALCEMENTI	HURRIVANE® and dip tube	HV		
Cement	Preheater	2009	Belgium	Lixhe	CBR Heidelbergcement Group	HEIDELBERG CEMENT	HURRIVANE® and dip tubes	HV		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2009	Ecuador	San Juan Chico	Cemento Chimborazo	CEMENTO CHIMBORAZO	Engineering for upgrading and modernisation of existing preheater including new top stage assembly, pendulum flaps	ENG PF	630	800
Cement	Bypass	2009	Bulgaria	Beli Izvor	Holcim Bulgaria	HOLCIM	Supervision Erection, Supervision Commissioning	Supervision		
Cement	Bypass	2009	Croatia	Koromaco	Holcim Hrvatska	HOLCIM	Study bypass system with separate dedusting to decrease the circulation of volatile components	Feasibility Basic ENG		
Cement	Alternative Fuels	2009	Honduras	San Pedro Sula	CEMENTOS DEL NORTE	HOLCIM	Alternative Fuels implementation study	Feasibility Basic ENG	-	-
Cement	Alternative Fuels	2009	Thailand	Saraburi	CEMEX Thailand	CEMEX	Evaluation of utilization of eukalyptus bark and other alternative fuel materials (rice husk, RDF, saw dust)	Feasibility Basic ENG		
Cement	Alternative Fuels	2009	Turkey	Isikent	Cimentas Izmir	CIMENTIR	A TEC has been contracted to perform a study for alternative fuel at this plant, including following: - maximum utilisation under present operating conditions for kilns 1+3 - maximum utilisation with preheater section modified - investigation of fuel transport and dosing system	Feasibility Basic ENG		
Cement	Raw Mill	2009	Zambia	Ndola	Chilanga Cement	LAFARGE	On site equipment quality assurance, erection supervision, commissioning supervision	Supervision		
Cement	Raw Mill	2009	Germany	Müs	Otterbein GmbH & Co KG	OTTERBEIN	Study for optimization of rawmill	Feasibility		
Cement	Cement Mill	2009	Indonesia	P 11	Indocement Tunggal Prakarsa	Indocement	Hot gas duct from clinker cooler filter to cement mill			
Cement	Clinker Cooler	2009	Syria		Adra Cement	ADRA CEMENT	Clinker cooler dedusting with HURRICLON®	ENG + HU		
Cement	Clinker Cooler	2009	Ukraine	YUG plant	OJSC YUGCement	YUG CEMENT	A TEC was contracted to supply a HURRICLON® system for dedusting of the clinker cooler exhaust gas	ENG + Hu		
Cement	Consulting	2008	Belarus	general	Belstroycenter	BELSTROYCENTER	Development of the cement industry of the Republic of Belarus Management of investment projects (3 x 5.000tpd clinker & cement production lines)	Feasibility Basic ENG		
Cement	Consulting	2008	Hungary	Kiralygyhaza	LAFARGE Cement Magyarorszag Kft.	LAFARGE	EPCM for a new 750.000t/a cement plant	EPCM		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Consulting	2008	United Arabian Emirates	Dhafra	Al Dhafra Cement	Al Dhafra Cement	Feasibility study for new cement production facility 5000 t/day clinker production Preliminary services for the installation of a 1 million tons per annum cement grinding plant	Feasibility Basic ENG		
Cement	Consulting	2008	Russia	general	Strabag	STRABAG	Evaluation of cement plants in Russia	Due diligence study		
Cement	Consulting	2008	Russia	general	BaselCement	BASELCEMENT	Due diligence study	Due diligence study		
Cement	Preheater	2008	Germany	Göllheim	Dyckerhoff AG	DYCKERHOFF	Study for opportunities to increase clinker productivity and production efficiency from 2.700 to 3.500 t/d on line 2	Feasibility		
Cement	Preheater	2008	Indonesia	Holcim PT Semen Cibinong	Holcim Indonesia	HOLCIM	Preheater modification (improvement of thermal efficiency), Installation splash box	ENG		
Cement	Preheater	2008	Canada	Mississauga	Holcim Canada	HOLCIM	Engineering for kiln inlet study	ENG	-	-
Cement	Preheater	2008	India	Karimnagar	Kesoram Industries LTD.	KESORAM	Supply of HV for stage No. 1 for pressure drop reduction	ENG + HV		
Cement	Preheater	2008	Guatemala	San Miguel	CEMENTOS PROGRESO	HOLCIM	A TEC was contracted for the engineering and supply of a HURRIVANE® 1800 including dip tube for kiln 1, second stage cyclone.	HV	1194	1230
Cement	Preheater	2008	Mexico	Orizaba	Holcim Apasco	HOLCIM	Study to investigate increase of production at kiln 2, from 1.700 to 2.500 tpd clinker	Feasibility		
Cement	Preheater	2008	Spain	Jerez	Holcim Espana	HOLCIM	The scope of the work includes the plant investigation and technical evaluation of the existing top stage of the preheater tower with the aim to find possibilities to increase the separation efficiency of the installed Hurriclones®.	Plant investigation		
Cement	Preheater	2008	Egypt	Beni Suef	Beni Suef Cement	LAFARGE	Pendulum Flaps	ENG + PF		
Cement	Preheater	2008	Bulgaria	Beli Izvor	Holcim Bulgaria	HOLCIM	New single hot gas duct from HURRICLON fan to a new booster fan	ENG + Equipment		
Cement	Preheater	2008	India	Sidhee Plant	Gujarat Sidhee Cement Ltd	MEHTA GROUP	Modification of preheater for firing 100% high-sulfur containing petcoke and reduction of pressure drop of preheater system	ENG + Supply		



## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2008	Egypt	Assiut	Assiut Cement Company	CEMEX	Pendulum flap	ENG + PF		
Cement	Preheater	2008	Egypt	Assiut	Assiut Cement Company	CEMEX	Preheater modification kiln 2: Project management, process design, BE, DE, manufacturing, supervision of supply of equipment, supply of key equipment and transport of key equipment and plant investigation.	ENG + Supply		
Cement	Preheater	2008	Egypt	Assiut	Assiut Cement Company	CEMEX	Tertiary air gate	ENG + tertiary air gate		
Cement	Preheater	2008	Egypt	Assiut	Assiut Cement Company	CEMEX	Preheater modification kiln 3: Project management, process design, BE, DE, manufacturing, supervision of supply of equipment, supply of key equipment and transport of key equipment and plant investigation.	ENG + Supply		
Cement	Bypass	2008	Bulgaria	Beli Izvor	Holcim Bulgaria	HOLCIM	Chlorine bypass installation in order to be able to co-process fuel with higher content of chlorine	ENG + Equipment		
Cement	Bypass	2008	Poland	Malagoszcz	Lafarge Cement S.A.	LAFARGE	Basic engineering for bypass dust transport system	ENG		
Cement	Bypass	2008	Austria	Gartenau	Leube GmbH	LEUBE	Bypass - Take off chamber - Kiln 1	take off chamber		
Cement	Alternative Fuels	2008	Philippines	CEMEX Solid Cement	CEMEX Philippines	CEMEX	Study for preparation of Municipal Solid Waste (alternative fuel) on the landfill for the maximum utilization as substitute for coal in the CEMEX Solid Cement Plant	Feasibility Basic ENG		
Cement	Alternative Fuels	2008	Bulgaria	Beli Izvor	Holcim Bulgaria	HOLCIM	Alternative Fuel Study for lime hydrate production out of bottom cyclone meal chute	Feasibility Basic ENG		
Cement	Raw Mill	2008	Turkey	Yozgat	Cimpor	CIMPOR	HURRICLON for raw mill department	ENG + HU		
Cement	Raw Mill	2008	Philippines	Iligan Plant	Iligan Cement Corporation	LAFARGE	A TEC has been contracted to install a HURRICLON® between the preheater fan and the hot gas dryer to dedust the hot gas before the raw material dryers. In addition, the company is converting the coal mill hot gas drying system from cooler exit gas to preheater exit gas, together with complete duct routing and HURRICLON® for dedusting of hot gas	ENG + HU		
Cement	Cement Mill	2008	New Caledonia	Nouméa	Holcim New Caledonia	HOLCIM	Replacement of existing cement mill cyclone through HU to improve efficiency			
Cement	Cement Mill	2008	Zambia	Ndola	Chilanga Cement	CHILANGA CEMENT	Plant investigation for upgrade of Cement grinding mill system	Plant investigation		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION	
									Before	After
Cement	Clinker Cooler	2008	Croatia	K. Sucurac	Dalmacijacement	CEMEX	Tertiary air duct & clinker cooler take off study	Feasibility Basic ENG		
Cement	Predestusting Before Coal Mill	2008	Philippines	Iligan Plant	Iligan Cement Corporation	LAFARGE	Conversion of coal mill hot drying gas system from cooler exit gas to preheater exit gas, complete tuct routing including special recirculation and HU for dedusting of hot gas	ENG + HU		
Cement	Predestusting Before Coal Mill	2008	Bulgaria	Beli Izvor	Holcim Bulgaria	HOLCIM	Upgrade coal mill system	ENG + HU		
Cement	Coal Mill	2008	Macedonia	Skopje	Cementarnica Usje A.D.	TITAN	A TEC has been selected to supply this plant with predestusting before coal mill with OPTICOAL® system and HURRICLON®.	ENG + Supply		
Cement	Coal Mill	2008	Serbia	Kosjeric	Titan Cement Kosjeric	TITAN	Plant investigation, process design, and technical evaluation of the recommended options for the conversion of the existing HURRICLON predestusting system to a modern state of the art OPTICOAL system	Plant investigation		
Cement	Coal Mill	2008	Macedonia	Skopje	Cementarnica Usje A.D.	TITAN	A TEC has been selected to supply this plant with predestusting before coal mill with OPTICOAL® system and HURRICLON®.	ENG + Supply		
Cement	Slag Mill	2008	Canada	Mississauga	St. Lawrence Cement Inc.	HOLCIM	A TEC received the contract to supply four HURRICLON® to act as pre-collector between the preheater tower and slag mill in order to maximize dust removal prior to slag grinding.	ENG + HU		
Cement	Consulting	2007	Belarus	general	INVB	INVB	Study upgrade Belarus Cement Industry	Feasibility Basic ENG		
Cement	Consulting	2007	Germany	Wössingen	Lafarge Zement Wössingen GmbH	LAFARGE	Layout Study and planning works for Lafarge CTEC	Feasibility Basic ENG		
Cement	Preheater	2007	Taiwan	Hualien	Taiheiyu Engineering Corporation for Asia Cement Corporation	TAIHEIYO ENGINEERING	Supply of HVs for stage nr. 1 & 2 for pressure drop reduction installed with major preheater upgrade by Taiheiyu Engineering Corporation	HV		
Cement	Preheater	2007	Austria	Retznei	Lafarge Perlmöser	LAFARGE	Study for the usage of up to 100% alternative fuel and a capacity increase, reduction of Nox and emissions general	Feasibility		
Cement	Preheater	2007	Italy	Merone	Holcim Italia S.P.A.	HOLCIM	Calciner modification & NOx-reduction	ENG + Supply		
Cement	Preheater	2007	Italy	Ternate	Holcim Italia S.P.A.	HOLCIM	Calciner modification & NOx-reduction	ENG + Supply		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION	
									Before	After
Cement	Preheater	2007	France	Montalieu	Ciments Vicat	VICAT	HURRIVANE® for preheater	ENG + HV		
Cement	Preheater	2007	Finnland	Parainen	Finnsementi	FINNSEMENTI	Preheater study for increase of existing clinker production from 2.600 t/d to 3.000 t/d	Feasibility		
Cement	Preheater	2007	Spain	Yeles	Holcim Espana	HOLCIM	Preheater line #1 replacement parts	ENG + HV, PF		
Cement	Preheater	2007	Austria	Wopfing	Wopfinger Baustoffindustrie GmbH	WOPFINGER	Production and erection - calciner modification	ENG + Supply		
Cement	Preheater	2007	Austria	Gartenau	Leube GmbH	LEUBE	Engineering new preheater kiln 1	ENG		
Cement	Preheater	2007	Italy	Piacenza	Industria Cementi Giovanni Rossi S.p.A.	Cementi Rossi	Calciner modification into low NOx system	ENG + Supply		
Cement	Preheater	2007	Italy	Augusta Plant	Buzzi Unicem S.p.A.	BUZZI-UNICEM	Study for NOx-reduction	Feasibility		
Cement	Preheater	2007	Poland	Kujawi	Lafarge Cement S.A.	LAFARGE	Pendulum flap Engineering for meal pipe	ENG + PF		
Cement	Preheater	2007	England	Rugby	CEMEX UK	CEMEX	Upgrade preheater step 1 + study step 2	ENG + PF		
Cement	Preheater	2007	Germany	Rohrdorf	Südbayerisches Portland-Zementwerk Gebr. Wiesböck & GmbH	ROHRDORFER ZEMENT	Kiln modification	ENG + Supply		
Cement	Preheater	2007	Egypt	Beni Suef	Beni Suef Cement	LAFARGE	Preheater & calciner modification	ENG + PF		
Cement	Preheater	2007	Jordan	Rashadiyah	Jordan Cement Factories Company	LAFARGE	Pendulum flap, Engineering for meal pipe	ENG + PF		
Cement	Preheater	2007	Jordan	Rashadiyah	Jordan Cement Factories Company	LAFARGE	Preheater & calciner modification	ENG		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2007	Mexico	Orizaba	Holcim Apasco	HOLCIM	Increasing the alternative fuel utilization in the new calciner and destruction of the Hydrocarbons, TSR from 5% to 30%	ENG + Supply	1580	1720
Cement	Preheater	2007	Poland	Malagoszcz	LAFARGE CEMENT S.A.	LAFARGE	Pendulum flap, Engineering for meal pipe	ENG + PF		
Cement	Preheater	2007	Austria	Kirchdorf	Kirchdorfer Zementwerk	LAFARGE	Pendulum flap	ENG + PF		
Cement	Preheater	2007	Austria	Vils	SCHRETTNER & CIE	SCHRETTNER	Preheater upgrading	Turn key		
Cement	Preheater	2007	Romania	Uzina Medgidia	Lafarge Ciment	LAFARGE	New meal diverter below next to last cyclone stage	ENG + Equipment		
Cement	Preheater	2007	Italien	Fanna	CEMENTIZILLO S.p.a.	CEMENTIZILLO	Supply of compensators and engineering for splash box incl. Meal Pipe	ENG SB + compensator		
Cement	Preheater	2007	Italy	Fanna	Cementizillo S.p.A.	CEMENTIZILLO	Study for the increase of the capacity of pyro section (raw meal feed – preheater – calciner – kiln – cooler – exhaust gas handling) up to 2.700 tpd under consideration of new raw material composition	Feasibility		
Cement	Preheater	2007	Mexico	Vito	LAFARGE	LAFARGE	Replacement of the top stage cyclones and the required modification of the ducts and meal pipes	ENG + HV, PF		
Cement	Preheater	2007	Austria	Mannersdorf	Lafarge Permooser GmbH	LAFARGE	Study for modification of meal feeding to 5-stage precalcinator	Feasibility		
Cement	Preheater	2007	China	Dingxiao	GUIZHOU DINGXIAE SHUI ON CEMENT LTD	LAFARGE	Modification of calciner, lower preheater and cyclone, installation of sulfur meal curtain to make it possible to apply low-quality high-sulfur coal and anthracites fuel and reduction of pressure drop	ENG		
Cement	Preheater	2007	Slovakia	Ladce	POVAZSKA CEMENTAREN	POVAZSKA CEMENTAREN	Feasibility study “Improved combustion of alternative fuels in calciner with reduced emissions”	Feasibility		
Cement	Preheater	2007	India	Chanderia	Chanderia Cement Works Ltd	BIRLA CORP Limited	Preheater upgrade: cyclone modification, new HU, new burner chamber delivery key parts: pendulum flaps, TLD gates	ENG+ Equipment		
Cement	Preheater	2007	England	Rugby	CEMEX UK	CEMEX	Plant investigation & modelling study for the improvement and proper functioning of the pre-calciner	Study		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Bypass	2007	Austria	Wopfing	Wopfinger Baustoffindustrie GmbH	WOPFINGER	Calciner modification and bypass installation for increasing to 1.300	ENG + Supply		
Cement	Bypass	2007	Austria	Gartenau	Leube GmbH	LEUBE	Chlorine bypass system	Turn key		
Cement	Bypass	2007	Poland	Malagoszcz	LAFARGE CEMENT S.A.	LAFARGE	Reduction of chlorine content in hot meal REDUCHLOR bypass system from A TEC	ENG + Equipment		
Cement	Bypass	2007	Poland	Chelm	Cemex Polska	CEMEX	Modification chlorine bypass	ENG + Equipment		
Cement	Bypass	2007	Czech Republic	Prachovice	Holcim (Cesko) a.s.	HOLCIM	Chlorine bypass system	ENG + Equipment		
Cement	Bypass	2007	Belgium	Lixhe - Vise	CBR Heidelbergcement Group	HEIDELBERG CEMENT	Supply of Hurrivane® and dip tube	ENG + HV + diptube		
Cement	Clinker Cooler	2007	USA	Lebec	NATIONAL CEMENT	VICAT	Study for clinker cooler dedusting	Feasibility Basic ENG		
Cement	Clinker Cooler	2007	Republica Dominicana	Paolo Amarillo	Cementos Cibao	CIBAO	Hurricon® for clinker cooler dedusting	ENG + HU		
Cement	Clinker Cooler	2007	Ukraine	Zdolbuniv	Volin Cement	DYCKERHOFF	Clinker cooler dedusting	ENG + HU		
Cement	Preheater	2006	Japan	Naha, Okinawa	TAIHEIYO ENGINEERING CORPORATION for RYUKYU CEMENT LTD	TAIHEIYO ENGINEERING CORPORATION for RYUKYU CEMENT LTD	Reduction of pressure drop of top stage cyclone by retaining existing separation efficiency	HV		
Cement	Preheater	2006	India	Satna	BIRLA CORPORATION SATNA CEMENT WORKS LTD	BIRLA CORP	Modification of preheater cyclones 2, 4 & 5 and riser tacts C5/C4, C4/C3 & C3/C2 + A TEC Splash box to reduce pressure drop and prepare preheater for later major modification	HV		
Cement	Preheater	2006	Malaysia	Negeri Sembilan Bahau	CIMA NEGERI SEMBILAN SDN BHD	CIMA	Installation of special design splash box for improvement of mill distribution in riser tact	ENG SB		
Cement	Preheater	2006	Poland	Kujawi	LAFARGE	LAFARGE	Engineering for meal curtain and bypass take-off; delivery of the A TEC meal diverter gate	ENG + Equipment		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2006	Austria	Mannersdorf	Lafarge Perlmoozer GmbH	LAFARGE	Pendulum flaps and meal diverter gate	ENG + PF		
Cement	Preheater	2006	Austria	Kirchdorf	KIRCHDORFER	LAFARGE	Tertiary air duct engineering and optimization of the preheater for NO <sub>x</sub> reduction	ENG TAD		
Cement	Preheater	2006	Pakistan	Karachi	DEWAN CEMENT	DEWAN	Preheater modification	ENG		
Cement	Preheater	2006	Egypt	Assiut	ASSIUT CEMENT COMPANY	CEMEX	Preheater modification	ENG + HU, Calcliner	4200	4700
Cement	Preheater	2006	Austria	Wietersdorf	WIETERSDORFER & PEGGAUER	W & P	Conversion of existing LEPOL kiln to a preheater tower with precalciner system Increase of production efficiency between 1400 and 1600 t up to 2200 t (A TEC Splash Box, A TEC AIRSTOP Kiln Seal 3.8 m diameter)	ENG + SB, KS	1400	2200
Cement	Preheater	2006	Italy	Cagnano Amiterno	SACCI	SACCI	Preheater study	Study		
Cement	Preheater	2006	Italy	Rassina	COLACEM	COLACEM	Capacity increase of clinker production from 2750 t/d up to 3150 t/d Calcliner III, IV	ENG	2700	3150
Cement	Preheater	2006	Mexico	Apaxco	CEMENTOS APASCO	HOLCIM	Increase of separation efficiency and production,	ENG + PF		
Cement	Preheater	2006	Mexico	Apaxco	CEMENTOS APASCO	HOLCIM	Reduction of specific heat consumption & preheater exhaust gas temp. and increase of separation efficiency and production,	ENG + HU, PF	1610	1886
Cement	Preheater	2006	Ecuador	Otavalo	SELVA ALEGRE	LAFARGE	New dip tube + HURRICLON® at top stage and stage 2 (production increase: + 72 t/d)	HU		
Cement	Bypass	2006	Slovakia	Rohoznik	HOLCIM SLOVENSKA	HOLCIM	Chlorine bypass system	ENG + Equipment		
Cement	Bypass	2006	Poland	Kujawi	LAFARGE	LAFARGE	Chlorine bypass system	ENG + Equipment		
Cement	Bypass	2006	Czech Republik	Prachovice	HOLCIM	HOLCIM	Bypass study	Feasibility Basic ENG		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION	
									Before	After
Cement	Bypass	2006	Austria	Wietersdorf	WIETERSDORFER & PEGGAUER	W & P	Delivery of quenching chamber	ENG + Equipment		
Cement	Alternative Fuels	2006	Spain	Alicante	Cemex Espania	CEMEX	Study preheater & calciner upgrade + alternative fuel	Feasibility Basic ENG		
Cement	Alternative Fuels	2006	Austria	Wietersdorf	WIETERSDORFER & PEGGAUER	BAUMIT	Alternative Fuel: Research project for mechanical garbage separation	Complete incl. test run of the plant	1 t/h	
Cement	Raw Mill	2006	Zambia	Ndola	CHILANGA CEMENT	LAFARGE	Optimization of raw mill system	ENG + Equipment		
Cement	Raw Mill	2006	Scotland	Dunbar	LAFARGE CEMENT UK	LAFARGE	Turn key dust abatement and process optimization project	ENG + HU		
Cement	Raw Mill	2006	Pakistan	Karachi	DEWAN CEMENT	DEWAN	Capacity increase	ENG		
Cement	Cement Mill	2006	Turkey	Darica	LAFARGE ASLAN CIMENTO	LAFARGE	HURRICLON® mill circuit	HU		
Cement	Clinker Cooler	2006	Cuba	Cienfugos	Cienfugos Cement	CIENFUGOS CEMENT	Clinker cooler dedusting	ENG + HU		
Cement	Clinker Cooler	2006	Kazakhstan	Shymkent	SHYMKENTCEMENT	ITALCEMENTI	HURRICLON® for clinker cooler dedusting for 4 kiln lines incl. engineering for ducting and equipment	ENG + HU		
Cement	Clinker Cooler	2006	Korea	Okye	LAFARGE HALLA CEMENT CORPORATION	LAFARGE	Replacement of rather low efficient maintenance-intensive Noric Multicyclones before power generation boiler with HU for maintenance-free operation and improvement of efficiency	ENG + HU		
Cement	Clinker Cooler	2006	Pakistan	Hattar	DEWAN CEMENT	DEWAN	HURRICLON® for clinker cooler dedusting	HU		
Cement	Clinker Cooler	2006	France	Frangey	LAFARGE CIMENTS	LAFARGE	HURRICLON® for clinker cooler dedusting	ENG + HU		
Cement	Clinker Cooler	2006	France	Bussac	CIMENTS CALCIA	ITALCEMENTI	4 pc. HURRICLON® for clinker cooler dedusting	HU		

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INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Predestusting Before Coal Mill	2006	Philippines	Teresa	FR CEMENT CORP	LAFARGE	Conversion of coal mill hot drying gas system from cooler exit gas to preheater exit gas, complete tuct routing including special recirculation and HU for dedusting of hot gas	ENG + HU		
Cement	Predestusting Before Coal Mill	2006	Philippines	Bulacan	REPUBLIC CEMENT	LAFARGE	Conversion of coal mill hot drying gas system from cooler exit gas to preheater exit gas, complete tuct routing including special recirculation and HU for dedusting of hot gas	ENG + HU		
Cement	Predestusting Before Coal Mill	2006	Philippines	Mapulop	FORTUNE CEMENT CORPORATION	LAFARGE	Conversion of coal mill hot drying gas system from cooler exit gas to preheater exit gas, complete tuct routing including special recirculation and HU for dedusting of hot gas	ENG + HU		
Cement	Slag Drying Plant	2006	Austria	Mannersdorf	Lafarge Permooser GmbH	LAFARGE	Turn Key Installation of a Slag Drying Plant with a fluidizing bad dryer	Turn key		
Cement	Slurry Drying Plant	2006	France	La Cadière d'Azur	SETIMEP	SETIMEP	2 pc. HURRICLON®	HU		
Cement	Chromat Reduction System	2006	Slovenia	Trbovlje	LAFARGE CEMENT DD	LAFARGE	Reduction of Chromium VI+ in cement	Feasibility		
Cement	Preheater	2006	USA	Exshaw	Lafarge	Lafarge	HV for Top stage Zyklone	HV		
Cement	Preheater	2006	CUB	Guabairo	Cementos Cienfuegos	Holcim	8 HV + eng. für 4 HU 1600 ST	HV + HU		
Cement	Consulting	2005	Pakistan	Hattar	DEWAN HATTAR CEMENT LTD (former SAADI CEMENT LTD)	DEWAN	Plant study of production Line Nr. 1 to locate efficiency deficiencies of pyro system, raw mill, coal mill, cement mill circuits, raw materials and fuels and recommendations for improvements	Plant investigation		
Cement	Preheater	2005	Algier	Sour el Ghozlane	SCSEG SOCIETE DES CIMENTS DE SOUR EL SHOZLANE	ERCC	Supply of new top stage HURRICLON and pendulum flaps	HU + PF		
Cement	Preheater	2005	India	Saurashtra Plant	Saurashtra Cement Limited	MEHTA GROUP	Modification of preheater for firing 100% high-sulfur containing petcoke and reduction of pressure drop of preheater system	ENG + Supply		
Cement	Preheater	2005	Pakistan	Hattar	DEWAN HATTAR CEMENT LTD (formerly SAADI CEMENT LTD)	DEWAN	Modification of preheater for efficiency improvement in kiln nr. 2 (still under erection) due to unsatisfactory results of identical kiln nr. 1; new Top Stage with HU, improvement of cyclone stage 2 and riser duct C2/C1	ENG + HU		
Cement	Preheater	2005	India	Kharia Khangar	GRASIM BIRLA WHITE CEMENT LTD	GRASIM INDUSTRIES	Replacement of top stage cyclones with HU to improve separation efficiency and reduce pressure drop	ENG HU		



## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2005	Canada	Exshaw	LAFARGE CANADA	LAFARGE	Reduction of pressure loss	HV		
Cement	Preheater	2005	Switzerland	Eclepens	HOLCIM SUISSE	HOLCIM	Preheater study	Study		
Cement	Preheater	2005	Italy	Fanna	CEMENTIZILLO	CEMENTIZILLO	Connecting duct from ID fan to conditioning tower	ENG		
Cement	Preheater	2005	Pakistan	Karachi	SAADI CEMENT	SAADI CEMENT	Upgradation of SAADI cement plant Line I+II and PAKLAND cement plants	HU		
Cement	Preheater	2005	Austria	Gartenau	Leube GmbH	LEUBE	Preheater study	Study		
Cement	Preheater	2005	Canada	Missisauga	ST. LAWRENCE CEMENT	HOLCIM	Reduction of pressure drop of the existing cyclone to either reduce electric power consumption at the preheater ID-fan or increase of production by higher possible gas flow through the system	HV		
Cement	Preheater	2005	Guatemala	San Miguel	CEMENTOS PROGRESO	HOLCIM	HURRIVANE® 2650 incl. dip tube for kiln 2, ST2	HV		
Cement	Preheater	2005	Germany	Rohrdorf	ROHRDORFER ZEMENT	SÜDBAYRISCHES PORTLAND ZEMENTWERK	A TEC Splash Box, A TEC Pendulum Flap, A TEC AIRSTOP Kiln Seal (diameter 5.2 m)	SB, PF, KS		
Cement	Preheater	2005	Slowakia	Ladce	POVAZSKA CEMENTAREN	POVAZSKA CEMENTAREN	Preheater study	Study		
Cement	Preheater	2005	Turkey	Yozgat	YIBITAS YOZGAT CIMENTO	LAFARGE	Plant investigation, general basic engineering for modification of preheater System, HURRIVANE® in top stage etc.	ENG + HV		
Cement	Preheater	2005	Iran	Abadeh	ABADEH CEMENT	ABADEH CEMENT	HURRIVANE® for 2nd stage cyclone	HV		
Cement	Preheater	2005	Austria	Kirchdorf	KIRCHDORFER	LAFARGE	Preheater study	Study		
Cement	Preheater	2005	Italy	Fanna	CEMENTIZILLO	CEMENTIZILLO	Preheater study	Study		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Bypass	2005	Great Britain	Ketton	CASTLE CEMENT	HEIDELBERG CEMENT	Increased utilization of alternative fuels without getting problems in the bottom section of the preheater system because of increased recirculation of volatiles	Turn key		
Cement	Bypass	2005	USA	Sugar Creek	LAFARGE NORTH AMERICA	LAFARGE	Stabilization of the pyro-process operation through reduction of chlorine content of hot meal with a new bypass system	ENG		
Cement	Bypass	2005	Italy	Barletta	BUZZI-UNICEM	BUZZI-UNICEM	Installation of bypass system	ENG		
Cement	Alternative Fuels	2005	Thailand	Saraburi	SIAM CITY CEMENT	HOLCIM	Utilization of Municipal Solid Waste as Alternative Fuel	Feasibility Basic ENG		
Cement	Millmaster	2005	Austria	Wietersdorf	WIETERSDORFER & PEGGAUER	W & P	MILLMASTER mill controlling system			
Cement	Clinker Cooler	2005	Switzerland	Siggenthal	HOLCIM	HOLCIM	2 pc. HURRICLON® for clinker cooler dedusting	ENG + HU		
Cement	Clinker Cooler	2005	Brazil	Jabatao dos Guararapes PE/Barbalha	IBACIP Máquinas Piratininga	IBACIP	Dedusting of kiln exit gases of line # 1 and # 2 (8 units HURRIVANE® 560)	HV		
Cement	Predestusting Before Coal Mill	2005	Tanzania	Tanga	TANGA CEMENT	HOLCIM	Installation of HURRICLON® for dedusting of preheater tower exhaust gas before coal mill	HV		
Cement	Coal Mill	2005	Maroc	Meknès	LAFARGE CEMENTS	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Dust Transport System	2005	Italy	Fanna	CEMENTIZILLO	CEMENTIZILLO	Dust transport	ENG		
Cement	Dust Transport System	2005	Austria	Retznei	LAFARGE PERLMOOSER	LAFARGE	Lime stone meal transport	ENG		
Cement	Chromat Reduction System	2005	Austria	Retznei	LAFARGE PERLMOOSER	LAFARGE	FeSO <sub>4</sub> Dosing System	ENG		
Cement	Preheater	2004	Austria	Mannersdorf	Lafarge Permooser GmbH	LAFARGE	Engineering for preheater modification	ENG	1900	2400

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2004	Italy	Fanna	CEMENTIZILLO	CEMENTIZILLO	Increased capacity of kiln (from appr. 1700 t/d) to > 2400 t/d; use of 100 % pet coke with a max. sulfur content up to 6 %; NOx-emissions max. 1000 mg/Nm <sup>3</sup> AIRSTOP Kiln Seal (4.2 m diameter)	ENG + SB, PF, KS		
Cement	Preheater	2004	Switzerland	Wildegg	JURA CEMENT	JURA-CEMENT-FABRIKEN	Feasibility study	ENG		
Cement	Preheater	2004	Mexico	Macuspana	CEMENTOS APASCO	HOLCIM	Reduction of specific heat consumption (higher utilization of alternative fuels and increase of separation efficiency and production) Calciner mod. II, III, IV, II	ENG + HV, SB, PF		
Cement	Preheater	2004	Switzerland	Untervaz	HOLCIM	HOLCIM	Production increase of clinker production (to 2100 t/d) Reduction of preheater exhaust gas temperature Reduction of specific heat consumption retaining existing preheater ID fan	HU + SB, PF	1960	2100
Cement	Bypass	2004	Austria	Gartenau	Leube GmbH	LEUBE	Bypass study	Feasibility Basic ENG		
Cement	Bypass	2004	Italy	Ternate	HOLCIM	HOLCIM	5% bypass ratio with the possibility to use raw mill exhaust gas for cooling in order to minimize the additional exhaust gas quantity at stack	ENG		
Cement	Millmaster	2004	Spain	Tarragona	CEMENTOS ESFERA	CEMENTOS ESFERA	MILLMASTER grinding control system for increase of production by 13.6 %			
Cement	Cement Mill	2004	Dom. Republic	Santa Domingo	CEMENGAL	CEMENGAL	Pressure loss of 1100 Pa and > 93 % separation efficiency	HU		
Cement	Cement Mill	2004	Czech Republik	Mokra	BROYEURS SOUDRON	BROYEURS SOUDRON	HURRICLON® mill circuit	HU		
Cement	Clinker Cooler	2004	Peru	Pacasmayo	CEMENTOS PACASMAYO	CEMENTOS PACASMAYO	HURRICLON® for clinker cooler dedusting	ENG + HU		
Cement	Clinker Transport	2004	Italy	Merone	HOLCIM	HOLCIM	Installation of HURRICLON® before bag filter (pre-deduct the pneumatic transport dust, clean gas to the bag filter)	HU		
Cement	Prededusting Before Coal Mill	2004	Yugoslavia	Beocinska	LOESCHE	LOESCHE	Installation of HURRICLON® for dedusting of preheater tower exhaust gas before coal mill to increase the specific heat value of the coal	HU		
Cement	Preheater	2003	Italy	Ghigiano/ Gubbio	COLACEM	COLACEM	Reduction of heat consumption due to the reduction of inner dust circulation II, III incl. calciner	ENG + HU		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2003	China	Yun Fu	GUANGDONG GITIC GREEN ISLAND CEMENT COMPANY LTD	GRREN ISLAND CEMENT COMPANY LTD	Modification of preheater for production increase 1900 to 2400 t, reduction of power and fuel consumption	HU	1900	2400
Cement	Preheater	2003	Spain	Rezola	REZOLA	ITALCEMENTI	Production increase from 1600 to 1730 t/d, Delivery of HURRICLON for top stage and HURRIVANE for 2nd stage Engineering for meal pipes, meal inlet boxes, pendulum flaps, hot gas duct I, II, calciner modification	ENG + HU		
Cement	Preheater	2003	Portugal	Setubal	SECIL	SECIL	Reduction of pressure drop and capacity increase	HV		
Cement	Preheater	2003	Austria	Wietersdorf	WIETERSDORFER & PEGGAUER	W & P	Preheater study	Study		
Cement	Preheater	2003	Italy	Spoletto	CEMENTIR	CEMENTIR	Reduction of pressure drop and capacity increase	HV		
Cement	Clinker Cooler	2003	Germany	Geisingen	HOLCIM	HOLCIM	Clinker cooler dedusting turn key	HU		
Cement	Clinker Cooler	2003	France	Frangey	LAFARGE FRANGHEY	LAFARGE	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Clinker Cooler	2003	Brazil	Itapessoca PE	CIMENTOS NASSAU	SANTOS	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Clinker Cooler	2003	Colombia	Tolu	TOLCEMENTO	ARGOS GROUP	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Clinker Transport	2003	France	Couvrot	CALCIA	ITALCEMENTI	Dedusting of transfer chutes for clinker transport	HU		
Cement	Pre dedusting Before Coal Mill	2003	Yugoslavia	Popovac	LOESCHE	LOESCHE	Installation of HURRICLON® for dedusting of preheater tower exhaust gas before coal mill to increase the specific heat value of the coal	HU		
Cement	Pre dedusting Before Coal Mill	2003	Maroc	Meknes	LAFARGE CEMENTS	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Preheater	2002	Iran	Kashan	KASHAN Cement	HOLCIM	Increase of clinker production to 1800 t/d and reduction of presse drop	ENG + HV		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION	
									Before	After
Cement	Preheater	2002	Italy	San Antonio	Buzzi Alamo Cement	BUZZI-UNICEM	Delivery of HURRICLON for prededusting of conveying air to avoid critical load of bag filter	HU		
Cement	Preheater	2002	Chile	La Calera	CEMENTOS MELON	LAFARGE	Delivery of HURRIVANE and dip tubes for top & 2nd stage cyclone Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2002	Italy	Este	CEMENTIZILLO	CEMENTIZILLO	Production increase from 1100 to 1200 t/d Engineering for cyclone stage 2 entry part and for 2nd hot gas duct	ENG	1100	1200
Cement	Preheater	2002	Austria	Gartenau	Leube GmbH	LEUBE	Reduction of power consumption at the preheater fan Engineering for extension of kiln inlet chamber	ENG	2000	2100
Cement	Preheater	2002	Yugoslavia	Beocin	LAFARGE	LAFARGE	Delivery of dip tubes for top stage Engineering for riser duct stage II - I and cyclone stage 2 entry part	ENG	2000	2100
Cement	Preheater	2002	China	Shanghai	Shanghai Allied Cement	SHANGHAI ALLIED CEMENT	Reduction of Power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV	2000	2100
Cement	Preheater	2002	Senegal	Rufisque	SOCOCIM	VICAT	Reduction of power consumption at the preheater fan Delivery of HURRIVANE for top and 2nd stage, cyclone upper part, riser duct II to I and hot gas duct	HV		
Cement	Preheater	2002	Spain	Oural	CEMENTOS COSMOS	CIMPOR	Production increase from 1050 to 1350 t/d, Delivery of HURRICLON for new and additional top stage, HURRIVANE for 2nd stage, Engineering for cyclone entry in 3rd stage, calciner, meal pipes, meal inlet boxes, pendulum flaps, hot gas duct,	ENG + HU, SB	1020	1350
Cement	Preheater	2002	Honduras	San Pedro Sula	CEMENTOS DEL NORTE	HOLCIM	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2002	Iran	Abadeh	ABADEH Cement	ABADEH CEMENT	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2002	Switzerland	Prey	VIGIER	VIGIER	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2002	Thailand	Saraburi	SARABURI Cement	CEMEX	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system (Kiln Line 1 Top Stage)	HV	1300	1300
Cement	Bypass	2002	Italy	Travesio	BUZZI-UNICEM	BUZZI-UNICEM	Supply of take off chamber and engineering, The target is to increase the usage of alternative fuel in line with a stable operation of the preheater tower	ENG		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Bypass	2002	Italy	Robilante	BUZZI-UNICEM	BUZZI-UNICEM	Supply of take off & quenching chamber and engineering. The target is to increase the usage of alternative fuel in line with a stable operation of the preheater tower. Reduction of Chlorine circulation & increase of alternative fuel	QUE ENG		
Cement	Bypass	2002	Austria	Kirchdorf	KIRCHDORFER	LAFARGE	Supply of HURRICLON <sup>®</sup> for dedusting of bypass dust	HU		
Cement	Bypass	2002	Korea	Danyang	HANIL CEMENT	HANIL CEMENT	Supply of quenching chamber only. The target is to increase the usage of alternative fuels in line with a stable operation of the preheater tower	QUE		
Cement	Raw Mill	2002	Korea	Danyang	HANIL CEMENT	HANIL CEMENT	Conversion to 3 fan system with only 2 HURRICLON <sup>®</sup>	HU		
Cement	Cement Mill	2002	Korea	Okye	LAFARGE HALLA CEMENT CORPORATION	LAFARGE	Efficiency improvement of cement mill	HU		
Cement	Clinker Cooler	2002	Colombia	Sogamoso	CEMENTOS PAZ DEL RIO	ARGOS GROUP	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Clinker Cooler	2002	Colombia	Medellin	CEMENTOS RIOCLARO	ARGOS GROUP	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Clinker Cooler	2002	Colombia	Cartagena	COLCLINKER	ARGOS GROUP	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Clinker Cooler	2002	Colombia	Sta. Barbara	CEMENTOS EL CAIRO	ARGOS GROUP	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Clinker Cooler	2002	Colombia	Cali	CEMENTOS DEL VALLE	ARGOS GROUP	4 pc. HURRICLON <sup>®</sup> for clinker cooler dedusting	HU		
Cement	Clinker Transport	2002	France	Gargenville	CALCIA	ITALCEMENTI	Dedusting of transfer chutes for clinker transport	HU		
Cement	Pre dedusting Before Coal Mill	2002	Kasachstan	Kazakistan	JSC SHYMKENTCEMENT	ITALCEMENTI	Installation of a new separator after coal mill to increase the separation efficiency	HU		
Cement	Pre dedusting Before Coal Mill	2002	Yugoslavia	Kosjeric	LOESCHE	LOESCHE	Installation of HURRICLON <sup>®</sup> for dedusting of preheater tower exhaust gas before coal mill to increase the specific heat value of the coal	HU		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Predestusting Before Coal Mill	2002	Romania	Campulung	S.C. Cimus	HOLCIM	Installation of HURRICLON® for dedusting of hot gases from kiln to the coal mill to increase the specific heat value of the coal	HU		
Cement	Predestusting Before Coal Mill	2002	Romania	Alesd	S.C. ALCIM	HOLCIM	Installation of HURRICLON® for dedusting of hot gases from kiln to the coal mill to increase the specific heat value of the coal	HU		
Cement	Predestusting Before Coal Mill	2002	Austria	Kirchdorf	KIRCHDORFER	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Predestusting Before Coal Mill	2002	Thailand	Saraburi	SARABURI Cement	CEMEX	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal (Kiln Line 1)	HU		
Cement	Predestusting Before Coal Mill	2002	Thailand	Saraburi	SARABURI Cement	CEMEX	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal (Kiln Line 2)	HU		
Cement	Preheater	2001	Czech Republik	Přerov	PSP ENGINEERING	PSP	Reduction of pressure drop and capacity increase	HV		
Cement	Preheater	2001	Belgium	Antoing	CBR	HEIDELBERG CEMENT	Reduction of pressure drop and capacity increase	HV		
Cement	Preheater	2001	Portugal	Alhandra	CIMPOR	CIMPOR	Production increase from 2900 to 3200 t/d Delivery of HURRICLON for top stage and HURRIVANE for 2nd stage Engineering for meal pipes, meal inlet boxes, pendulum flaps and hot gas duct (Kiln 7)	HU	2900	3247
Cement	Preheater	2001	Italy	Este	CEMENTIZILLO	CEMENTIZILLO	Preheater study	Study		
Cement	Preheater	2001	Greece	Milaki	HERACLES CEMENT	LAFARGE	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2001	India	Maihar	MAIHAR CEMENT	MAIHAR CEMENT	Reduction of Power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	ENG		
Cement	Preheater	2001	France	Altkirch	ORIGNY HOLCIM	HOLCIM	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2001	India	Vikas	Birla Vikas	BIRLA	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2001	Malaysia	Kanthan	MALAYAN CEMENT	LAFARGE	Production increase from 6700 to 7000 t/d, cooler modification by the client	HV	6900	7200
Cement	Preheater	2001	Vietnam	Hon Chong	HOLCIM VIETNAM (formerly Morning Star)	HOLCIM	Reduction of Power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2001	Italy	Taranto	CEMENTIR	CEMENTIR	Production increase from 1100 to 1300 t/d, Delivery of HURRICLON for top stage, HURRIVANE for 2nd stage precalciner burner and gaz analyzer, Engineering for meal pipes, meal inlet boxes, pendulum flaps and hot gas duct	HU		
Cement	Bypass	2001	Austria	Retznei	LAFARGE PERLMOOSER	LAFARGE	Turn-Key plant , with quenching chamber, Filter, dust transport and storage; The main target is to increase the usage of alternative fuel in line with a stable operation of the preheater tower	QUE ENG COMP.		
Cement	Bypass	2001	Italy	Taranto	CEMENTIR	CEMENTIR	Supply of quenching chamber and engineering Installation because of high chlorine content in the raw materials	QUE ENG		
Cement	Preparation and burning of alternative fuels	2001	Malaysia	Negeri Sembilan Plant	Negeri Sembilan Cement Industries Sdn. Bhd.	CIMA	Alternative Fuel: Tyre chute for feeding whole tyres into kiln inlet	Complete	3t/h	
Cement	Preparation and burning of alternative fuels	2001	Spain	Castillejo	CEMENTOS DE VALENCIANA	CEMEX	Alternative fuel: Preparation and feeding of animal meal	Complete	0.5 – 1.5 t/h	
Cement	Preparation and burning of alternative fuels	2001	Spain	Alicante	CEMENTOS DE VALENCIANA	CEMEX	Alternative fuel: Preparation and feeding of animal meal	Complete	0.5 – 1.5 t/h	
Cement	Preparation and burning of alternative fuels	2001	Germany	Erwitte	Gebrüder SEIBEL	GEBRÜDER SEIBEL	Alternative Fuel: Preparation plant for mixed and polluted plastics	Complete	5 t/h	
Cement	Raw Mill	2001	Taiwan	Hualien	ASIA CEMENT	ASIA CEMENT	Reduction of power consumption at the raw mill fan	HV		
Cement	Raw Mill	2001	Turkey	Darica	YIBITAS LAFARGE	LAFARGE	Reduction of Power consumption at the raw mill fan	HU		
Cement	Cement Mill	2001	Spain	Jaen	TORREDONJIMENO	HOLCIM	HURRICLON® mill circuit	HU		
Cement	Cement Mill	2001	Spain	Gijon	ABONO	TUDELA VEGUIN	HURRICLON® mill Circuit	HU		



## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION	
									Before	After
Cement	Cement Mill	2001	Spain	Jeréz	HISALBA	HOLCIM	Production increase	HU		
Cement	Clinker Cooler	2001	Colombia	Cali	CEMENTOS DEL VALLE	ARGOS GROUP	4 pc. HURRICLON® for clinker cooler dedusting	HU		
Cement	Clinker Cooler	2001	France	Airvault	CALCIA	ITALCEMENTI	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Clinker Cooler	2001	Thailand	Saraburi	SARABURI CEMENT	CEMEX	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear (Kiln Line 1)	HU		
Cement	Clinker Cooler	2001	Thailand	Saraburi	SARABURI CEMENT	CEMEX	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear (Kiln Line 2)	HU		
Cement	Clinker Cooler	2001	Colombia	Medellin	CEMENTOS RIOCLARO	ARGOS GROUP	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Predestusting Before Coal Mill	2001	Germany	Nasice Coal	LOESCHE	LOESCHE	Installation of HURRICLON® for dedusting of preheater tower exhaust gas before coal mill to increase the specific heat value of the coal	HU		
Cement	Predestusting Before Coal Mill	2001	Greece	Milaki	HERACLES CEMENT	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal, Delivery of HURRICLON®, booster fan, flaps	HU		
Cement	Predestusting Before Coal Mill	2001	Philippines	Continental	PEG for Continental Cement	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Predestusting Before Coal Mill	2001	Malaysia	Rawang	MALAYAN CEMENT	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Predestusting Before Coal Mill	2001	Bulgaria	Beli Izvor, Vratza	BELOIZVORSKI CEMENT	HOLCIM	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Preheater	2000	Portugal	Alhandra	CIMPOR	CIMPOR	Production increase from 3858 to 4166 t/d, Delivery of HURRICLON for top stage and HURRIVANE for 2nd stage, Engineering for meal pipes, meal inlet boxes, pendulum flaps, and hot gas duct and riser duct (Kiln 6)	HU	3858	4166
Cement	Preheater	2000	Spain	Montcada	ASLAND LAFARGE	LAFARGE	Reduction of Power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Preheater	2000	Czech Republik	Mokra	CESKOMORAVSKY CEMENT	HEIDELBERG CEMENT	Production increase from 1700 to 2000 t/d Engineering for dip tube stage 2	HV		
Cement	Preheater	2000	Thailand	Saraburi	SARABURI Cement	CEMEX	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system (Kiln Line 2 Top Stage)	HV	1300	1300
Cement	Preheater	2000	USA	Alamo (Casale)	Buzzi Alamo Cement	BUZZI-UNICEM	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2000	India	Satna	Satna Birla	BIRLA	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2000	Spain	Jerez	HISALBA	HOLCIM	Production increase from 2000 to 2400 t/d, Delivery of HURRICLON for top stage, Engineering for meal pipes, meal inlet boxes, pendulum flaps and hot gas duct	HU		
Cement	Preheater	2000	Honduras	Comayagua	INCEHSA LAFARGE	LAFARGE	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	2000	Italy	Ghigiano/ Gubbio	COLACEM	COLACEM	Reduction of Power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Bypass	2000	Belgium	Lixhe	CBR Heidelbergcement Group	HEIDELBERG CEMENT	Reduction of chlorine content in hot meal	ENG		
Cement	Preparation and burning of alternative fuels	2000	Slovakia	Ladce	POVAZSKA CEMENTAREN A.S	POVAZSKA CEMENTAREN	Alternative fuel: Preparation and feeding of animal meal	ENG+delivery in parts	0.5 – 3 t/h	
Cement	Raw Mill	2000	India	Saurashtra Plant	SAURASHTRA CEMENT LTD	MEHTA GROUP	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Raw Mill	2000	Belgium	Lixhe	CBR Heidelbergcement Group	HEIDELBERG CEMENT	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Raw Mill	2000	Italy	Sesto Campano	COLACEM	COLACEM	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Raw Mill	2000	Italy	Sesto Campano	COLACEM	COLACEM	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Cement Mill	2000	Venezuela	San Sebastian	MAGOTTEAUX	ITALCEMENTI	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Cement Mill	2000	Portugal	Paio Pires	MAGOTTEAUX	ITALCEMENTI	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Clinker Cooler	2000	Italy	Sesto Campano	COLACEM	COLACEM	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Clinker Cooler	2000	Colombia	Barranquilla	CEMENTOS DEL CARIBE	ARGOS GROUP	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Coal Mill	2000	India	Karikkali	LOESCHE for CHETTINAD CEMENT CORP LTD	CHETTINAD CEMENT CORP LTD	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Preheater	1999	Spain	Vallcarca	UNILAND	UNILAND	Engineering of kiln riser duct and cyclone entrance	ENG		
Cement	Preheater	1999	Italy	Rassina	COLACEM	COLACEM	Production increase from 2450 to 2750 t/d Delivery of HURRICLON for top stage and HURRIVANE for 2nd stage Engineering for meal pipes, meal inlet boxes, pendulum flaps, calciner and hot gas duct	HU	2450	2750
Cement	Preheater	1999	Italy	Caravate	COLACEM	COLACEM	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	1999	Taiwan	Keelung	LUCKY CEMENT	LUCKY CEMENT	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HU		
Cement	Preheater	1999	India	Orissa	OCL	OCL	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Bypass	1999	Italy	Taranto	CEMENTIR	CEMENTIR	Supply of quenching chamber and engineering Installation because of high chlorine content in the raw materials	QUE ENG		
Cement	Raw Mill	1999	Taiwan	Hsin Chu	ASIA CEMENT	ASIA CEMENT	Reduction of power consumption at the raw mill fan, Engineering for cyclone entry part	HV		
Cement	Raw Mill	1999	Italy	Ghigiano/ Gubbio	COLACEM	COLACEM	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Raw Mill	1999	Taiwan	Keelung	LUCKY CEMENT	LUCKY CEMENT	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Cement Mill	1999	Italy	Maddaloni	CEMENTIR	CEMENTIR	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Clinker Cooler	1999	Colombia	Cartagena	COLCLINKER	ARGOS GROUP	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Predestusting Before Coal Mill	1999	Romania	Medgidia	LAFARGE ROMCIM	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Predestusting Before Coal Mill	1999	Romania	Medgidia	LAFARGE ROMCIM	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Predestusting Before Coal Mill	1999	Romania	Hoghiz	LAFARGE ROMCIM	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Preheater	1998	France	Cruas	CALCIA	ITALCEMENTI	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	Feasibility		
Cement	Preheater	1998	India	Saurashtra Plant	SAURASHTRA CEMENT LTD	MEHTA GROUP	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	1998	Sweden	Slite	CEMENTA	HEIDELBERG CEMENT	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Raw Mill	1998	India	Saurashtra Plant	SAURASHTRA CEMENT LTD	MEHTA GROUP	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Cement Mill	1998	Spain	La Robla	CEMENGAL	CEMENTOS LA ROBLA	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Cement Mill	1998	France	Altkirch	ORIGNY HOLCIM	HOLCIM	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Clinker Cooler	1998	France	Rocheftort	ORIGNY HOLCIM	HOLCIM	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Predestusting Before Coal Mill	1998	Poland	Malogoszcz	LAFARGE CEMENT S.A.	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Predestusting Before Coal Mill	1998	Greece	Volos	HERACLES CEMENT	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal, Delivery of HURRICLON®, booster fan, flaps	HU		
Cement	Predestusting Before Coal Mill	1998	Turkey	Askale	ASKALE CIMENTO	ASKALE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Preheater	1997	France	St Pierre la Cour	LAFARGE	LAFARGE	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	1997	Austria	Indonesia	ACT	HOLCIM	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	1997	Spain	Cordoba	CEMENTOS ASLAND	LAFARGE	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	1997	Italy	Colleferro	ITALCEMENTI	ITALCEMENTI	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	1997	France	Le Havre	LAFARGE	LAFARGE	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	1997	Spain	Yeles	CEMENTOS HISPANIA	DYCKERHOFF	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system , Engineering of cyclone entry parts	HV		
Cement	Preheater	1997	Israel	Ramla Plant	NESHER CEMENT	NESHER CEMENT	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	1997	Italy	Ghigiano/ Gubbio	COLACEM	COLACEM	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HV		
Cement	Preheater	1997	Turkey	Yozgat	YIBITAS LAFARGE	LAFARGE	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system	HU + SB		1400
Cement	Preheater	1997	Austria	Retznei	LAFARGE	LAFARGE	Reduction of power consumption at the preheater fan due to the reduction of the pressure drop in the cyclone system , Engineering of cyclone entry parts for stage 4 and conversion form the 3rd stage (swirlchamber) into 2 conventional cyclones	ENG		
Cement	Cement Mill	1997	Czech Republik	Ciskovice	LAFARGE	LAFARGE	Reduction of power consumption at the separator fan	HV		
Cement	Predestusting Before Coal Mill	1997	Turkey	Corum	YIBITAS LAFARGE	LAFARGE	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION	
									Before	After
Cement	Preheater	1996	France	Martres	LAFARGE	LAFARGE	Reduction of power consumption at the preheater fan due to reduction of pressure drop in the cyclone system	HV		
Cement	Preheater	1996	Germany	Neubeckum	DYCKERHOFF	DYCKERHOFF	Reduction of power consumption at the preheater fan due to reduction of pressure drop in the cyclone system	HV		
Cement	Raw Mill	1996	France	Gargenville	CALCIA	ITALCEMENTI	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Preheater	1995	Austria	Retznei	LAFARGE	LAFARGE	Reduction of power consumption at the preheater fan due to reduction of pressure drop in the cyclone system	HV		
Cement	Preheater	1995	Germany	Göllheim	DYCKERHOFF	DYCKERHOFF	Reduction of power consumption at the preheater fan due to reduction of pressure drop in the cyclone system	HV		
Cement	Raw Mill	1995	Germany	Wülfrath	WÜLFRATH	WÜLFRATH	Reduction of power consumption at the raw mill fan	HV		
Cement	Preheater	1994	Austria	Mannersdorf	Lafarge Permooser GmbH	LAFARGE	Reduction of power consumption at the preheater fan due to the reduction of pressure drop in the cyclone system	HV		1400
Cement	Preheater	1994	France	Le Teil	LAFARGE	LAFARGE	Reduction of power consumption at the preheater fan due to reduction of pressure drop in the cyclone system	HV		
Cement	Raw Mill	1994	Germany	Blaubeuren	HEIDELBERG	HEIDELBERG CEMENT	Reduction of power consumption at the raw mill fan	HV		
Cement	Raw Mill	1994	Austria	Mannersdorf	Lafarge Permooser GmbH	LAFARGE	Reduction of power consumption at the raw mill fan	HV		
Cement	Cement Mill	1994	Austria	Eiberg	LECHNER	LECHNER	Reduction of power consumption at the separator fan	HV		
Cement	Cement Mill	1994	Germany	Bitterfeld	KOCH	KOCH	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Clinker Cooler	1994	Germany	Lengerich	DYCKERHOFF	DYCKERHOFF	Replacement of existing Multicyclones for better separation efficiency, less pressure drop and less wear	HU		
Cement	Predestusting Before Coal Mill	1994	Austria	Waldegg	WOPFINGER	BAUMIT	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Coal Mill	1994	Germany	Erwitte	GEBRÜDER SEIBEL	GEBRÜDER SEIBEL	Installation of HURRICLON® between the preheater fan and the coal mill to increase the specific heat value of the coal	HU		
Cement	Preheater	1993	Germany	Erwitte	GEBRÜDER SEIBEL	GEBRÜDER SEIBEL	Reduction of power consumption at the preheater fan due to reduction of pressure drop in the cyclone system	HV		
Cement	Raw Mill	1993	Austria	Klein St. Paul	WIETERSDORFER	W & P	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Cement Mill	1993	Austria	Mannersdorf	Lafarge Permooser GmbH	LAFARGE	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		

## REFERENCES CEMENT

INDUSTRY	PLANT SECTION	YEAR	COUNTRY	PLANT	CLIENT	GROUP	SHORT DESCRIPTION AND AIM OF THE PROJECT	SUPPLY	PRODUCTION Before After	
Cement	Cement Mill	1993	Austria	Eiberg	LECHNER	LECHNER	Less space requirement, less auxiliary equipment, less pressure drop compared to conventional cyclone systems	HU		
Cement	Cement Mill	1993	Germany	Ennigerloh	ANNELIESE	HEIDELBERG CEMENT	Reduction of power consumption at the separator fan	HV		
Cement	Clinker Transport	1993	Germany	Erwitte	GEBRÜDER SEIBEL	GEBRÜDER SEIBEL	Dedusting of transfer chutes for clinker transport	HU		
Cement	Clinker Transport	1993	Austria	Klein St. Paul	WIETERSDORFER	W & P	Dedusting of transfer chutes for clinker transport	HU		
Cement	Clinker Transport	1993	Germany	Blaubeuren	HEIDELBERG	HEIDELBERG CEMENT	Dedusting of transfer chutes for clinker transport	HU		
Cement	Cement Mill	1992	Austria	Klein St. Paul	WIETERSDORFER	W & P	Reduction of power consumption at the separator fan	HV		
Cement	Clinker Transport	1992	Austria	Retznei	LAFARGE PERLMOOSER	LAFARGE	Dedusting of transfer chutes for clinker transport	HU		