

#	YEAR	CLIENT	PLANT	DESCRIPTION	CAPACITY
25	2021	Secil Group	Pataias, Portugal	Industrial Trial for Proving C-CLAY Technology using an Existing Clinker Kiln (main points: calcined clay quality and color change technology)	600 tpd
24	2021	Ciplan – Vicat Group	Sobradinho, Brazil	Basic Project – New Calcined Clay Line – C-CLAY (including color change technology)	1500 tpd
23	2021	Ash Grove – CRH Group	Louisville, EUA	Basic Project – Modification of a Clinker Kiln to the Production of Calcined Clay and Clinker – C-CLAY (including color change technology)	1000 tpd
22	2021	PPC	Riebeeck, South Africa	Basic Project – Conversion of a Clinker Kiln to the Production of Calcined Clay	1000 tpd
21	2021	UNACEM	Condorcocha, Peru	Engineering and Equipment Supply – Modification of a Clinker Kiln to the Production of Calcined Clay C-CLAY (including color change technology)	580 tpd
20	2021	Cementos Pacasmayo	Pacasmayo, Peru	Technical Analysis of Available Clay and Confirmation of its Suitability for Pozzolanic Cement	-
19	2021	Supremo Cimento – Secil Group	Adrianópolis, PR, Brazil	Technical Study – Combination of Calcined Clay Production and the Clinker Cooling Process	600 tpd
18	2020	TPCC – Heidelberg Group	Tanzania	Industrial Trial for Proving C-CLAY Technology using an Existing Clinker Kiln (main points: calcined clay quality and color change technology)	800 tpd
17	2020	Ash Grove – CRH Group	Louisville, NE, USA	Industrial Trial for Proving C-CLAY Technology using an Existing Clinker Kiln (main points: calcined clay quality and color change technology)	1000 tpd
16	2018	Supremo Cimento – Secil Group	Pomerode, SC, Brazil	Technical Study – Modification of the Existing Clinker Kiln to Produce Calcined Clay – C-CLAY (including color change technology)	500 tpd
15	2017	Cementos Argos	Rioclara, AT, Colombia	Physical Supply of a New Calcined Clay Line – C-CLAY (including color change technology)	1500 tpd
14	2016	Cementos Avellaneda	Olavarría, BA, Argentina	Main Burner for Calcined Clay Kiln	800 tpd
13	2015	Lafarge Holcim	Pedro Leopoldo, MG, Brazil	Clay Characterization and Conceptual Design of a Calcined Clay Line Using Existing Kiln (including color change technology)	1500 tpd
12	2014	Cimento Nassau	Capanema, PA, Brazil	Technical Study – Use of Biomass in a Calcined Clay Kiln	550 tpd

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11	2014	Cimento Nassau	Capanema, PA, Brazil	Technical Study – Color Change of Calcined Clay	550 tpd
10	2014	Cimento Nassau	Itaituba, PA, Brazil	Debottlenecking of an Existing Calcined Clay Kiln	400 tpd
09	2014	Cimento Nassau	Codó, MA, Brazil	Debottlenecking of an Existing Calcined Clay Kiln	500 tpd
08	2013	Votorantim Cimentos	Porto Velho, RO, Brazil	Technical Study – Use of Biomass in a Calcined Clay Kiln	1000 tpd
07	2013	Lafarge Holcim	Cocalzinho, GO, Brazil	Conversion of a Clinker Kiln to the Production of Calcined Clay and Clinker	700 tpd
06	2011	Secil	Portugal	Feasibility Study of Production of Calcined Clay in Secil Plants in Portugal	-
05	2011	Cimentos Liz	Vespasiano, MG, Brazil	Technical Study – Alternatives for Calcined Clay Production	-
04	2009	Votorantim Cimentos	Paulista, PE, Brazil	Combustion System Design for 2 Calcined Clay Kilns (old wet clinker kilns)	900 tpd
03	2007	Ciplan	Sobradinho, DF, Brazil	Conceptual, Basic and Detailed Design of Calcined Clay Kiln	550 tpd
02	2003	Cimento Nassau	Itaituba, PA, Brazil	Transformation of a Wet Clinker Kiln into a Calcined Clay Kiln	320 tpd
01	1998	Intercement	Cajati, SP, Brazil	Transformation of Slag Dryer into Calcined Clay Kiln	720 tpd

 Projects implemented by the Client