



Fives Solios  
Reference Sheets

## Cement and minerals market

Customer	Date	Equipment
Giant Cement Harleyville USA	2018	New fabric Filter TGT
Ciment Québec St-Basile de Port-Neuf CANADA	2017	New fabric filter TGT
Graymont Pilot Peek USA	2016	New fabric filter TGT
ARMSTRONG CEMENT Cabot USA	2015	New fabric filter TGT
Lafarge Ravena, NY USA	2015	Primary dust collector, followed by polishing filter for Hg capture (12) TGT-20-15-80 (8) TGT-20-15-80
Holcim Barroso Brazil	2014	New fabric filter (8) TGT-20-22-80 -OMD
Holcim Barroso Brazil	2014	New fabric filter (6) TGT-21-18-80 -OMD
GCC Dacotah Rapid City, SD U.S.A.	2013	Replacement of reverse air baghouse to TGT Filter
Ash Grove Cement Leamington USA	2012	Conditioning Tower

Polysius for TXI, Hunter New Braunfels, TX U.S.A.	2012	SONAIR 16-76-37-OD SONAIR 15-38-27-OS
Apasco S.A. de C.V. Hermosillo MEXICO	2010	New fabric filter (12) TGT-21-18-71-OMD
Loesche for Lafarge Ventanas Chile	2009	(2) TGT-20-65-68-OD
Cementos Boyaca Nobsa COLOMBIA	2009	New fabric filter (2) TGT-20-92-68-OD
Loesche for Caribbean Cement Kingston Jamaica	2008	(2) TGT-20-65-68-OD
Cemex Yaqui MEXICO	2008	14 module TGT Filter
Cemex Yaqui MEXICO	2008	(2) TGT 20-108-6.8 OMD
Cemex Balcones Plant New Braunfels, TX U.S.A.	2008	(10) TGT 21-18-7.0 OMD
Cemex Balcones Plant New Braunfels, TX U.S.A.	2008	Gas-to-air heat exchanger (8) TGT 21-18-6.6-OMD
Loesche for Cemex Balcones Plant New Braunfels, TX U.S.A.	2008	(2) TGT-20-112-6.8-OD
Holcim Mississauga, ON CANADA	2007	TGT fabric filter (2) TGT-20-88-60-OD
Essroc Puerto Rico	2007	Conversion of reverse air baghouse to TGT Filter
Polysius for TXI Oro Grande, CA U.S.A.	2007	SONAIR 16-76-37-OD SONAIR 15-38-27-OS
Cemex Balcones Plant	2007	Replacement of ESP (10) TGT 21-17-7.0 OMD

New Braunfels, TX U.S.A.		
Roanoke Cement Roanoke, VA U.S.A.	2007	SONAIR 15-68-37-OS
Cemex Balcones Plant New Braunfels, TX U.S.A.	2007	Replacement of gravel bed filters with gas-to-air heat exchanger and (6) TGT 21-17-6.6-OMS
Cemex Tamuin MEXICO	2007	Conversion of ESP to TGT Filter
Loesche for National Cement Ragland, AL U.S.A.	2006	(2) TGT 20-88-6.5-OD
St-Lawrence Cement Mississauga, ON CANADA	2006	TGT fabric filter (2) TGT-20-88-60-OD
Apasco S.A. de C.V. Macuspana MEXICO	2006	Replacement of ESP with new TGT fabric filter (6) TGT-21-138-7.0-OMD
Cruz Azul Hidalgo MEXICO	2005	Conversion of ESP to TGT Filter
Giant Cement Harleyville, SC U.S.A.	2005	New preheater kiln / raw mill and clinker cooler with fabric filter (8) TGT 21-168-7.1-OMD
Uniland Cementera Vallcarca SPAIN	2005	New SONAIR fabric filter
Lafarge North America Sugar Creek, MO USA	2005	New fabric filter SR6-14-62-27-OS
Apasco S.A. de C.V. Acapulco MEXICO	2005	Replacement of ESP with new TGT fabric filter (4) TGT-21-76-7.3-OMD
Holcim Gador, SPAIN and Jerez, SPAIN	2005	Replacement of ESPs with new heat exchangers and new fabric filters
Ash Grove Cement Leamington, UT U.S.A.	2004	Conversion of reverse air filter to fabric filter (10) TGT 34-240-6.4-OMD

Keystone Cement Bath, PA U.S.A.	2004	Replacement of ESP with new fabric filter (6) TGT 21-144-7.1-OMD
Lehigh Inland Cement Edmonton, AB CANADA	2004	Conversion of ESP to fabric filter (10) TGT 21-172-7.2-OMD
Cemex Tepeaca MEXICO	2004	New TGT Filter with ducting and ID fan, turnkey
Lafarge North America Harleyville, SC USA	2004	Replacement of reverse air baghouse with new fabric filter (14) TGT 20-168-7.2-OMD
S.C. Alcim S.A. Alesd ROMANIA	2003	TGT fabric filter (6) TGT-21-138-7.0-OMD
S.C. Alcim S. A. Alesd ROMANIA	2003	1 heat exchanger and (4) SONAIR-S-18-80-5.0- OMS
Uniland Cementera Barcelona SPAIN	2002	Replacement of ESP with new fabric filter (6) TGT 20-156-7.0-OMD
Lafarge Ciments Bouskoura MOROCCO	2002	Conversion of ESP to fabric filter TGT 21-88-6.5-OMD
Lafarge North America Exshaw, AB CANADA	2002	Replacement of ESP with new fabric filter (10) TGT 19-150-6.4-OMD
St-Lawrence Cement Mississauga, ON CANADA	2002	Replacement of ESP with new TGT fabric filter TGT-19-68-6.5-OS
Polysius for Lafarge Sugar Creek, MO U.S.A.	2002	1 fabric filter (10) TGT 19-150-6.1-OMD
Ciments d'Origny Dannes France	2002	Conversion of ESP to TGT fabric filter TGT 21-72-7.0-OS
Lehigh Portland Cement Union Bridge, MD U.S.A.	2001	New preheater kiln / raw mill with (1) fabric filter (20) TGT 19-300-6.4-OMD
Hisalba Carboneras SPAIN	2001	Replacement of ESP with new fabric filter (8) TGT-20-208-6.5-OMD
St. Marys Cement	2000	TGT 18-48-6.1-OD

(Votorantim) Detroit, MI U.S.A.		SONAIR 815-330-OS SONAIR 816-816-OS
Uniland Cementera Los Moujos Barcelona SPAIN	2000	1 heat exchanger and SONAIR 150-21-3.2-OD
Ciments d'Origny Heming FRANCE	2000	1 fabric filter SONAIR-S-18-216-5.0- OMD and 2 heat exchangers
Ciment Québec St-Basile, QC CANADA	2000	SONAIR 1214-1064-OD SONAIR 1215-240-OS
Holcim (US) Inc. Dundee, MI U.S.A.	2000	2 heat exchangers 2 fabric filters SONAIR (6) 1215-285-299 2 fans with VFDs ductwork, stack dust handling equipment
St-Lawrence Cement Camden, NJ U.S.A.	2000	SONAIR 2-1215-42-OD
Ciment Québec St-Basile, QC CANADA	2001 and 1999	Conversion of four (4) chamber ESP to four (4) fabric filters SONAIR 1411-1100-OD
Lafarge Corporation Richmond, BC CANADA	1999	1 fabric filter (12) TGT 18-168-6.4-OMD
Portland Zement Gebr. Seibel Erwitte GERMANY	1998	Conversion of 2 ESPs to 2 fabric filters TGT 17-39-7-OS
Holdercim Cantagalo BRAZIL	1998	1 fabric filter SONAIR (8) 1416-256- OMD
Lehigh Portland Cement Glens Falls, NY U.S.A.	1997	Replacement of an evaporative cooling tower
Ciment Québec St-Raymond de Portneuf, QC CANADA	1996	Retrofit of an existing evaporative cooling tower
Lafarge Corporation	1996	Replacement of 2 ESPs

Paulding, OH U.S.A.		with 2 fabric filters (5) TGT 19-75-6.4-OMS
Cementos Boyaca Nobsa COLOMBIA	1996	1 reverse air fabric filter Model 12-216 type 12
Cemex Spain Alcanar, Taragon SPAIN	1996	2 forced air exchangers 2 fabric filters SONAIR 115-2L-26
Cementos Boyaca Nobsa COLOMBIA	1996	1 fabric filter SONAIR 8-1216-336-OMD
Cementos Asland Niebla-Huelva SPAIN	1995	1 heat exchanger and SONAIR 12-48-40-OD
INCSA Cement for Holderbank COSTA RICA	1995	1 reverse air fabric filter Model 8-228 type 12
Lafarge Corporation Joppa, IL U.S.A.	1994	1 reverse air fabric filter Model 14-216 type 8
Cementos Boyaca Nobsa COLOMBIA	1994	(1) SONAIR 1214-476-OS (1) SONAIR 1214-238-OS
Cementos Apasco Planta Orizaba MEXICO	1993	1 reverse air fabric filter Model 12-204 type 12
Cementos Polpaico CHILE	1993	1 reverse air fabric filter Model 5-180 type 8
Compagnie des Ciments Belges Gaurain, Ramecroix BELGIUM	1992	Multicyclones TUBIX NHDT
KHD for Lafarge Alpena, MI U.S.A.	1990	2 fabric filters SONAIR 1215-1830-OD
Polysius for Lafarge Alpena, MI U.S.A.	1990	3 fabric filters: SONAIR 1215-1740-OD SONAIR 1215-255-OD SONAIR 1215-720-OD
Nevada Cement Fernley, NV U.S.A.	1989	1 reverse air fabric filter Model 8-180 type 8
Ciment St-Laurent Mississauga, ON	1988	SONAIR 1010-440-OS (4 units)

CANADA		
Ciment St-Laurent Mississauga, ON CANADA	1983	1 fabric filter SONAIR (4 units)
Ciment St-Laurent Joliette, QC CANADA	1983	1 fabric filter SONAIR (4 units)