

STRUDES INC.

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## STRUDES' EXPERIENCE IN DESIGN OF LOADING/UNLOADING SYSTEMS

Project	Description	Client	Completion
09057	Saskatoon Cement upgrade, cement loading and unloading	Lafarge North America	Design completed in 2010
09058	Regina Cement Terminal upgrade, cement loading and unloading	Lafarge North America	Design completed in 2010
08015	Truck and Rail Cars Loading at Joppa, Illinois Cement Plant	Lafarge North America	Design completed in 2009
08015	Truck & Rail car loading Joppa, IL.	Lafarge North America	Design completed in 2009
08027	Coal Handling, Harleyville, S.C. Plant	Lafarge North America	Design completed in 2008
07053	Three silos, blending on demand and Truck Loading at Exshaw Cement Plant, Alberta	Lafarge North America	Construction complete 2008
06096	Two 10,000 t capacity Clinker Silos in Harleyville, S.C.	Giant Cement Co.	Completed in 2006
06033	Barge Unloading and Cement Storage, Davenport, Iowa	Lafarge North America	Completed in 2006
05005	10,000 t Cement and 4,000 t Flyash Silos with Flyash Rail Loading	Lafarge North America	Completed in 2006
05021	Three Silos, Blending System and Truck Loading in Sugar Creek, Mo. Cement Plant	Lafarge North America	Completed in 2005
04119	Cements Blending System with Rail Car Loading at Calcium Aluminate Plant in Chesapeake, Virginia	Calcium Aluminate	Completed in 2005
03082	Bulk Loading Up-grade (rail), Atlanta, Ga.	Lafarge North America	Completed in 2004
02089	Rail Car cement Loading, Ravena, N.Y. Cement Plant	Lafarge North East Region	Completed in 2004
03007	"B" Silos Optimization – truck and Rail car loading. Richmond B.C. Cement Plant	Lafarge Canada Western Region	Completed in 2003
02107	Rail Car Loading, Sugar Creek Mo. Cement Plant	Lafarge River Region	Completed in 2003

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02039	Truck Loading Modification (Oil and gasoline loading) Labrador Terminal	Shell Canada	Completed in 2002
02024	R.R. Rotary Car Dumper – Raw Material unloading, Atlanta, Va. Plant	Lafarge Southern Reg.	Completed in 2002
01088	Clinker Rail Unloading – Atlanta, Va. Cement Plant	Lafarge Southern Reg.	Completed in 2002
00078	Barge Loading (Cement) Davenport, Iowa Cement Plant	Lafarge River Region	Completed in 2001
00070	Carlson Barge Loading, Joppa, Illinois Cement Plant	Lafarge River Region	Completed in 2001
00077	Fuel Flexibility – Coal Unloading, Richmond, B.C. Cement Plant	Lafarge Canada Western Region	Completed in 2001
00034	Dry CKD Load-out, Davenport, Iowa Cement Plant	Lafarge River Region	Completed in 2001
00007	Detroit Cement Terminal. 60,000 t silo with 10 compartments, 3 Truck loading Stations, Rail Unloading and loading Station and Ship Unloading (1,700 TPH)	Lafarge Distribution	Completed in 2001
01081	Barge Loading (cement) Richmond Cement Plant	Lafarge Canada Western Region	Completed in 2000
9931	Blending at Stony Creek, Ontario including Truck Loading	Lafarge Canada Eastern Reg.	Completed in 1999
9833	Barge Gravity Loading at Joppa, Illinois Plant. First “Cascade” spout in North America. Water variation level – 60 ft.	Lafarge River Region	Completed in 1999
9798	Loading of Clinker into rail cars. Brookfield, N.S. Cement Plant	Lafarge Canada Eastern Reg.	Completed in 1999
9623	Waste Dust Tank and Truck load-out at Davenport, Iowa Cement Plant	Lafarge River Reg.	Completed in 1996
9408	Rail Loading – Cement and Clinker at Exshaw, Alberta Cement Plant	Lafarge Canada Western Region	Completed in 1994
9341	Vananda Quarry in B.C. Barge Loading Study	Lafarge Canada Western Region	Completed in 1993
9992	Alcan Ship Unloader – Structural Verification	Alesa	Completed in 1992