



## Selected Canadian Installations

COMPANY & LOCATION	EQUIPMENT & DATE INSTALLED	BOILER/BURNER EQUIPMENT	FUELS	CATEGORY
Shell Scotford Refinery Fort Saskatchewan, Alberta	42 of 65UV5 installed on Unit started up in 2002	Hydrogen Reformer.		Petrochemical
Agrium Joffre Nitrogen Operations Red Deer, Alberta	2 Phoenix scanners	Single burner FW 45000 lb/hr Nat Gas fired steam boiler.	Natural Gas	Petrochemical
	6 Phoenix scanners	Six burner process super heater. Installed and started 2004	Natural Gas	
Atco Gas Midstream. Carbondale plant. Near Edmonton, Alberta	NX3100 with O2 trim Installed and started in 2002	600hp Saskatoon Fire-tube Glycol Heater	Natural Gas Fired.	Petrochem
Celanese Canada. Edmonton, Alberta	8 Insight 95UVS2-1 scanners. Installed 2002	Eight burner, cracking furnace	Natural Gas Fired	Petrochem
Syncrude Canada Fort McMurray, Alberta	16 of 45UVFS1-1000CEX connected to 16 25SU3-2100P. Installed 2002	Two eight-burner, front fired CO boilers.	Natural gas fired.	Petrochem
	36 of 45UV5-1000 connected to 36 25SU3-2100 Installed 2003	Three 12 burner power boilers		
Syncrude Canada UE-1 project Fort McMurray, Alberta.	32 of Insight scanners 95UVS2. Installed 2003.	Diluent Recovery plant.		Petrochem

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Weyerhaeuser Grande Prairie, Alberta	Two Insight 95DSS2-1 scanners. Installed 2002  Eight Micro M controls wired as flame-switch operating with flame-rod. Installed 2002  Six Micro M controls wired as flame-switch operating with flame-rod. Installed in 2001	A single burner lime kiln. Approx 80 million btu/hr Eight burner tangential CE power boiler.  One recovery boiler B&W front fired, eight burners	Natural gas fired	Pulp and Paper
Weyerhaeuser Dryden, Ontario	Six Insight 95UVS1-1 scanners	6 million lb/hr recovery boiler. Boiler was newly installed 2001 – 2004 by Kvaerner.	Five burners firing natural gas only, one burner firing nat. gas plus NCG's.	
Manitoba Hydro. Station Selkirk, Manitoba	Total of 16, 45UVFS1 and 25SU3-2100 45FS1 scanners with 25SU3-2100 controls since early 1990's Boilers were converted to natural gas (from coal) in 2001 causing customer to switch from 45FS1's to 45UVFS1's	2 off 125 MW utility boilers B&W gas fired, 8 burners each	Gas	Power Utility
Cargil Foods High River, Alberta	E110/E300/PPC-5000/O2 trim	One 800hp Volcano Firetube (2003) and one 1500hp Saskatoon Firetube (2004).		Industrial
University of Lethbridge, Alberta	Three NX3100 systems c/w O2 trim. Installation completed in 2002	Two 600hp Saskatoon Firetube boilers and one 250hpVolcano Firetube boiler.		HVAC
Glenrose Hospital Edmonton, Alberta	4 Phoenix scanners. (Originally, the contractor, had installed 65UV5 scanners but signal loss became an issue when firing #2 oil).	Four single burner water-tube steam boilers, B&W 50,000lb/hr each.	Fuel is Natural gas with #2 oil standby.	HVAC
Misericordia Hospital Edmonton, Alberta	3 Phoenix scanners Installed in 2003	Three single burner B&W water tube 45,000lb/hr 250psi steam boilers.	Fuel is natural gas with #2 oil standby.	HVAC

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Dow Chemical Ft. Sask, Alberta	C9501/R9005P Installed 1997	Opposed Fired, (15 facing 15)	Natural gas	Process Furnace - Chemical refinery
Shell Scotfort Refinery Ft. Sask, Alberta	45UV5/5012 Installed 1994	Foster-Wheeler	Natural gas	Process Furnace - Chemical refinery
Ciment Quebec		Opposed Fired, (41 facing 41)		
St. Basile Quebec	70D40, 72DRT1 for pilot flame; 45FSI-1000 and 25SU3-2000 on Main Fuel with remote file section	Pillard Rotary Kiln Burner	Natural Gas, Recycle Oil, Future Coal	Kiln
Inland Cement Edmonton, Alberta	45FS1 F.O., 25SU5-5011; Installed 1995	Cement Kiln	Natural gas	Kiln
Weldwood Canada Hinton Alberta Pulp Mill	(1) C9501N, (1) R9005P	Lime Kiln	Gas	Kiln
Weyerhaeuser Canada Grande Prairie, Alberta Pulp Mill	45UV5-1000, 25SU5-4011	CE Tangential	Gas	Recovery Boiler
Domtar Quebec	45RM4-1000 with 25SU3-2000, Pilot detection by Fossil Power Flame rod system	Babcock & Wilcox Opposed Fired (3 facing 3)	Black Liquor	Recovery Boiler
Weldwood, Canada Hinton, Alberta Pulp Mill	(6) C9501N Scanners (6) R9005P Controls	CE Recovery Boiler number 3	Gas	Recovery Boiler
Toronto District Heating Toronto, Ontario	45FS1-1000, 25SU3-2000 Installed 1996	Zurn O Type Boiler	Natural gas	Steam Process Boiler
Ultramar, St. Romvald Quebec	45FS1-1000, 25SU3-2000 Installed 1996		Oil	Steam Process Boiler
Manitoba Hydro, Selkirk Manitoba	C9707/25SU3-2000; Installed 1994		Coal / gas	Utility Boiler
Manitoba, Hydro, Brandon Manitoba	C9707, 25SU3-2000 Installed 1994		Coal / gas	Utility Boiler
Tracy Gen. Station Tracy, Quebec	45RM4-1000, 25SU3-2000 Installed 1997	Tangential	Coal / oil	Utility Boiler
Toronto District Heating Plant	45FS1-1000, 25SU3-2000, remote file selection, working with Moore Quandra System	Zurn - Todd Burners (one over one) 150,000PPH (one over one)		Steam Process Boiler
Carton St. Laurent Latex, Quebec	45UVFS1-1000, 25SU3-2000	CE Tangential	Heavy Oil	Power Boiler