

These **select**, recent project references are for **turnkey**, DC and AC power systems sold involving applications engineering, technical drawing & document preparation, manufacturing, testing and contract management, undertaken by **Staticon Ltd.** as the principal manufacturer and supplier of **complete** power systems solutions.

<b>2012</b>	<b>Pine Falls GS</b>	<b>7.5 kVA 1 Phase Dual Inverter UPS Systems</b>
<b>Customer:</b>	Manitoba Hydro.	<b>Location:</b> Pine Falls, Manitoba.
<b>Application:</b>	One, on-line 120 VAC backup dual inverter UPS for the critical loads of a hydroelectric generating station.	<b>Equipment:</b> Dual 7.5 kVA inverters, transfer switch, maintenance bypass switches.
<b>Value:</b>	C\$45,000.	<b>Notes:</b> 250 VDC input, parallel redundancy
<b>2012</b>	<b>Gaston Power Plant</b>	<b>3 kVA 1 Phase AC UPS Systems</b>
<b>Customer:</b>	Crim Sales Inc. for Alabama Power Co.	<b>Location:</b> Wilsonville, Alabama.
<b>Application:</b>	Three, on-line 120 VAC backup UPS systems for electronic, emergency exit signage.	<b>Equipment:</b> 3 kVA UPS each including rectifier, 100 Ah VRLA battery, inverter, transfer switch, maintenance bypass switch.
<b>Value:</b>	C\$54,600.	<b>Notes:</b> Custom-built UPS systems.
<b>2012</b>	<b>Belleville North Solar Power Plant</b>	<b>2 kVA 1 Phase AC UPS Systems</b>
<b>Customer:</b>	EPTCON Ltd. for Northern Power Inc.	<b>Location:</b> Belleville, Ontario.
<b>Application:</b>	Six, on-line 120 VAC backup UPS systems for essential switchgear loads of a solar power plant.	<b>Equipment:</b> 4 kVA UPS each including rectifier, 595 Ah VRLA battery, inverter, transfer switch, maintenance bypass switch.
<b>Value:</b>	C\$183,500.	<b>Notes:</b> Custom-built UPS systems.
<b>2012</b>	<b>Iqaluit Main Power Station</b>	<b>50 kW Rectifiers and 15 kVA 1 Phase AC UPS Systems</b>
<b>Customer:</b>	Qulliq Energy Corp.	<b>Location:</b> Iqaluit, Nunavut Territory.
<b>Application:</b>	Two on-line AC backup inverter UPS systems and two DC Backup rectifiers for the plant control and monitoring system of a thermal generating station.	<b>Equipment:</b> Two 15 kVA on-line inverter UPS systems each including an inverter, auto transfer, maintenance bypass and AC distribution modules. Two 125 VDC 400 A rectifiers.
<b>Value:</b>	C\$110,800.	<b>Notes:</b> Custom-built DC & AC power systems.
<b>2012</b>	<b>Darlington Nuclear GS</b>	<b>4 kVA 1 Phase Inverter UPS Systems</b>
<b>Customer:</b>	Invensys Systems Canada Inc.	<b>Location:</b> Bowmanville, Ontario.
<b>Application:</b>	Three, on-line 120 VAC backup inverter UPS systems for essential loads of a nuclear generating station.	<b>Equipment:</b> 4 kVA inverter, transfer switch, maintenance bypass switch.
<b>Value:</b>	C\$55,200.	<b>Notes:</b> 125 VDC input

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**2012 GO Transit Train Lighting 125 V 25 A DC Power Systems**

**Customer:** Custom Control Panels Inc. for GO Transit.

**Location:** Toronto, Ontario.

**Application:** Four, 125 VDC, rail-side, auxiliary power systems for the lighting of parked commuter trains.

**Equipment:** 15 A chargers, 10 year life 125 Ah VRLA batteries, battery and distribution breakers.

**Value:** C\$54,600.

**Notes:** Integrated, self-contained power systems..

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**2012 Limestone GS 12.5 kVA 1 Phase Dual Inverter UPS Systems**

**Customer:** Manitoba Hydro.

**Location:** Limestone GS, Manitoba.

**Application:** Two, on-line 120 VAC backup inverter UPS systems for the critical loads of a hydroelectric generating station.

**Equipment:** Dual 12.5 kVA inverters, transfer switch, maintenance bypass switches.

**Value:** C\$43,000.

**Notes:** 125 VDC input, parallel redundancy

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**2012 Boleo Diesel Generating Station 15 kVA 1 Phase AC UPS Systems**

**Customer:** MAN Diesel Canada Ltd.

**Location:** Santa Rosalia, Mexico.

**Application:** Two on-line 120 VAC backup UPS systems for the plant control and monitoring system of a diesel fueled generating station.

**Equipment:** Two 15 kVA on-line UPS systems each including a 150 A rectifier, 160 Ah NiCd battery, inverter, auto transfer, maintenance bypass, transformer and AC distribution module.

**Value:** C\$165,200.

**Notes:** Turnkey, custom-built AC power systems.

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**2012 Qakimajurq Diesel Power Station 24 V 50 A DC Power System**

**Customer:** MAN Diesel Canada Ltd.

**Location:** Raglan Xstrata Nickel Mine, Quebec

**Application:** 24 VDC auxiliary power system for the critical controls and switchgear of a diesel fuelled generating station.

**Equipment:** Dual 50 A chargers, 25 year life 259 Ah VR NiCd batteries, DC distribution unit.

**Value:** C\$30,300.

**Notes:** Custom built DC power system.

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<b>2011</b>	<b>Husky Sunrise Oil-Sands Plant</b>	<b>6 kVA 1 Phase AC UPS Systems</b>
	<b>Customer:</b> Beldon Sales for Worley Parsons, Husky Oil, Sunrise oil-sands project.	<b>Location:</b> Fort McMurray region of northern Alberta.
	<b>Application:</b> Eight, on-line 120 VAC backup UPS systems for the critical loads of well pad substations and control centres.	<b>Equipment:</b> 75 A chargers, 20 year life 300 Ah VRLA batteries, 6 kVA inverters, transfer switches, bypass transformers.
	<b>Value:</b> C\$440,000.	<b>Notes:</b> 10 hour battery autonomy.

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<b>2011</b>	<b>West Kingston Power Station</b>	<b>125 V 25 A DC Power System</b>
	<b>Customer:</b> K-Line International Ltd. for West Kingston Power Partners RKA.	<b>Location:</b> Kingston, Jamaica.
	<b>Application:</b> 125 VDC auxiliary power system for the critical control and switchgear loads of a 69 kV substation.	<b>Equipment:</b> 25 A charger, 25 year life 132 Ah VR NiCd battery, battery breaker and seismic rack.
	<b>Value:</b> C\$29,000.	<b>Notes:</b> Multi-load profile. Seismic battery rack.

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<b>2011</b>	<b>Grand Rapids GS</b>	<b>6 kVA 1 Phase Inverter UPS Systems</b>
	<b>Customer:</b> Manitoba Hydro.	<b>Location:</b> Grand Rapids, Manitoba.
	<b>Application:</b> Two, on-line 120 VAC backup inverter UPS systems for the critical loads of a hydroelectric generating station.	<b>Equipment:</b> 6 kVA inverters, transfer switches, maintenance bypass switches.
	<b>Value:</b> C\$43,000.	<b>Notes:</b> 250 VDC input

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<b>2011</b>	<b>Edmonton LRT, Corona Station</b>	<b>10+3 kVA 1 Phase AC UPS Systems</b>
	<b>Customer:</b> GE Canada Transportation Global Signalling for PNR Railworks Inc.	<b>Location:</b> Edmonton, Alberta.
	<b>Application:</b> Dual redundant, on-line 120 VAC backup UPS system for the critical AC signals and controls for one station of an urban, light rail commuter train system.	<b>Equipment:</b> 150 A charger, 20 year life 595 Ah VRLA battery, 10 kVA inverter, 3 kVA inverter, transfer switches, 15 kVA bypass transformer.
	<b>Value:</b> C\$90,100.	<b>Notes:</b> Customized, dual system configuration.

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<b>2011</b>	<b>Bur Oak Energy Centre Substation</b>	<b>125 V 25 A DC Power Systems</b>
	<b>Customer:</b> Markham District Energy Inc.	<b>Location:</b> Markham, Ontario.
	<b>Application:</b> Two, 125 VDC auxiliary power systems for the critical control and switchgear loads of a 5 kV substation.	<b>Equipment:</b> 25 A chargers, 25 year life 60 Ah VR NiCd batteries, DC distribution breaker panels.
	<b>Value:</b> C\$58,000.	<b>Notes:</b> Integrated, self-contained power systems.

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<b>2011</b>	<b>York Energy Centre Switchyard</b>	<b>125 V 50 A DC Power Systems</b>
	<b>Customer:</b> EPTCON Ltd. for the York Energy Centre.	<b>Location:</b> King City, Ontario.
	<b>Application:</b> Two, 125 VDC auxiliary power systems for the critical control and switchgear loads of a 230 kV switchyard for 300 MW gas fired generating station.	<b>Equipment:</b> 50 A chargers, 20 year life 265 Ah vented batteries, battery breakers.
	<b>Value:</b> C\$59,000.	<b>Notes:</b> Multi-load profile. Seismic battery rack.

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<b>2011</b>	<b>Queen Elizabeth Gas Turbine GS</b>	<b>10 kVA 1 Phase Inverter UPS System</b>
	<b>Customer:</b> SaskPower.	<b>Location:</b> Saskatoon, Saskatchewan.
	<b>Application:</b> On-line 120 VAC backup inverter UPS systems for the plant control and monitoring system of a gas fired generating station unit.	<b>Equipment:</b> 10 kVA inverter, transfer, maintenance bypass switch, bypass line conditioner.
	<b>Value:</b> C\$37,300.	<b>Notes:</b> Overload coordination.

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<b>2011</b>	<b>Boleo Diesel Generating Unit</b>	<b>125 V 50 A DC Power System</b>
	<b>Customer:</b> MAN Diesel Canada Ltd.	<b>Location:</b> Santa Rosalia, Mexico.
	<b>Application:</b> 125 VDC auxiliary power system for the critical controls of a diesel fuelled generating station.	<b>Equipment:</b> Dual 50 A chargers, 25 year life 110 Ah VR NiCd batteries, seismic rack, DC distribution unit.
	<b>Value:</b> C\$47,500.	<b>Notes:</b> Custom built DC distribution unit.

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<b>2011</b>	<b>GO Transit Train Lighting</b>	<b>125 V 25 A DC Power Systems</b>
	<b>Customer:</b> Custom Control Panels Inc. for GO Transit.	<b>Location:</b> Toronto, Ontario.
	<b>Application:</b> Four, 125 VDC, rail-side, auxiliary power systems for the lighting of parked commuter trains.	<b>Equipment:</b> 25 A chargers, 10 year life 155 Ah VRLA batteries, battery and distribution breakers.
	<b>Value:</b> C\$58,200.	<b>Notes:</b> Integrated, self-contained power systems..

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<b>2011</b>	<b>UTT HV Substations, Trinidad</b>	<b>125 V 25 A DC Power Systems</b>
	<b>Customer:</b> K-Line International Ltd. for University of Trinidad & Tobago.	<b>Location:</b> Trinidad, West Indies.
	<b>Application:</b> Two, 125 VDC auxiliary power systems for the critical control and switchgear loads of two 66 kV substations.	<b>Equipment:</b> 15 A chargers, 25 year life 407 Ah and 66 Ah NiCd batteries, battery breakers.
	<b>Value:</b> C\$51,100.	<b>Notes:</b> Multi-load profile.

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<b>2010</b>	<b>Telecom Central Office Power – Markham, Ottawa, Vancouver</b>	<b>48 V 2400 A DC Power Systems</b>
	<b>Customer:</b> MTS Allstream Inc.	<b>Location:</b> Markham, Ottawa Ontario. Vancouver BC.
	<b>Application:</b> Three, backup / auxiliary 48 V DC power systems for central office telecom power batteries and all loads.	<b>Equipment:</b> 48 V 2400 and 1200 A systems, c/w multi-redundant 400 A and 600 A rectifiers, supervisory, main distribution.
	<b>Value:</b> C\$220,900.	<b>Notes:</b> Fully integrated, custom power systems.

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<b>2010</b>	<b>Edmonton LRT, 4 Stations AC</b>	<b>10, 15, 20 kVA 3 Phase AC UPS Systems</b>
	<b>Customer:</b> GE Canada Transportation Global Signalling for PNR Railworks Inc.	<b>Location:</b> Edmonton, Alberta.
	<b>Application:</b> Four, dual redundant, on-line 120 VAC backup UPS system for the critical AC signals and controls for 4 stations of an urban, light rail commuter train system.	<b>Equipment:</b> 250 and 300 A chargers, 20 year life 595 and 850 Ah VRLA batteries, 6, 10, 15, 20, kVA inverters, transfer switches, bypass transformers.
	<b>Value:</b> C\$381,300.	<b>Notes:</b> Customized, dual system configurations.

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<b>2010</b>	<b>Edmonton LRT, 4 Stations DC</b>	<b>28, 60 V DC Power Systems</b>
<b>Customer:</b>	GE Canada Transportation Global Signalling for PNR Railworks Inc.	<b>Location:</b> Edmonton, Alberta.
<b>Application:</b>	Seven, dual redundant, on-line 12, 28 and 60 VDC auxiliary power systems for the critical signal and controls for 4 stations of an urban, light rail commuter train system.	<b>Equipment:</b> 15 and 75 A chargers, 25 year life 45, 176, and 444 Ah NiCd batteries, 15 and 60 A DC-DC converters, multiple terminal panels.
<b>Value:</b>	C\$246,500.	<b>Notes:</b> Custom, rack mount, tri-voltage, systems.
<b>2010</b>	<b>Yellowhead Gas Turbine GS</b>	<b>125 V 200 A DC and 10 kVA UPS Power Systems</b>
<b>Customer:</b>	SNC-Lavalin Inc. for SaskPower.	<b>Location:</b> North Battleford, Saskatchewan.
<b>Application:</b>	Dual 125 VDC auxiliary power systems and single, on-line 120 VAC backup inverter UPS system for the plant control and monitoring system of a gas turbine generating station.	<b>Equipment:</b> Dual 200 A chargers, 20 year life 1000 Ah vented lead acid battery, 10 kVA inverter-transfer-bypass system, 10 kVA bypass line conditioner, custom DC and AC distribution units.
<b>Value:</b>	C\$127,100.	<b>Notes:</b> Turnkey, station DC & AC power systems.
<b>2010</b>	<b>GO Transit Train Lighting</b>	<b>125 V 15 A DC Power Systems</b>
<b>Customer:</b>	Custom Control Panels Inc. for GO Transit.	<b>Location:</b> Toronto, Ontario.
<b>Application:</b>	Six, 125 VDC, rail-side, auxiliary power systems for the lighting of parked commuter trains.	<b>Equipment:</b> 15 A chargers, 10 year life 95 Ah VRLA batteries, battery and distribution breakers.
<b>Value:</b>	C\$69,100.	<b>Notes:</b> Integrated, self-contained power systems.
<b>2010</b>	<b>China Cement Plant</b>	<b>110 VDC and 10, 30 kVA 1 Phase AC UPS Systems</b>
<b>Customer:</b>	Asia Engineering Enterprise Corp. for the Yangzhou Yadong cement plant.	<b>Location:</b> Nanjing, Mainland China.
<b>Application:</b>	Three, on-line 110 VDC and 230 VAC backup UPS systems for the critical operating DC and AC loads of a cement plant.	<b>Equipment:</b> 100 and 300 A chargers, 10 and 30 kVA inverters, transfer switches, bypass transformers c/w DC and AC distribution.
<b>Value:</b>	C\$154,100.	<b>Notes:</b> DC and AC loads distribution.

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<b>2010</b>	<b>Seven Sisters Generating Station</b>	<b>7.5 kVA 1 Phase Inverter UPS Systems</b>
	<b>Customer:</b> Manitoba Hydro.	<b>Location:</b> Seven Sisters Falls, Manitoba.
	<b>Application:</b> Dual, on-line 120 VAC backup inverter UPS systems for the critical loads of a hydroelectric generating station.	<b>Equipment:</b> 7.5 kVA inverters, transfer switches, maintenance bypass switches.
	<b>Value:</b> C\$38,000.	<b>Notes:</b> Parallel redundant system.

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<b>2010</b>	<b>Union HV Substations, Trinidad</b>	<b>125 V 25 A DC Power Systems</b>
	<b>Customer:</b> K-Line International Ltd. for Trinidad & Tobago Electricity Commission.	<b>Location:</b> Trinidad, West Indies.
	<b>Application:</b> Three, 125 VDC auxiliary power systems for the critical control and switchgear loads of a 230 kV and a 66 kV substation.	<b>Equipment:</b> 15 A chargers, 25 year life 370 Ah NiCd batteries, 200 A battery breakers.
	<b>Value:</b> C\$127,100.	<b>Notes:</b> Multi-load profile.

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<b>2009</b>	<b>Sherbrook Telecom Central Office Power</b>	<b>48 V 2000 A DC Power System</b>
	<b>Customer:</b> MTS Allstream Inc.	<b>Location:</b> Winnipeg, Manitoba.
	<b>Application:</b> Backup / auxiliary 48 V DC power systems for central office telecom power batteries and all loads.	<b>Equipment:</b> 48 V 2000 A system, c/w multi-redundant (qty 7) 400 A rectifiers and supervisory unit.
	<b>Value:</b> C\$137,000.	<b>Notes:</b> Fully integrated, custom power systems.

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<b>2009</b>	<b>Ermine Gas Turbine GS</b>	<b>125 V 100 A DC and 5 kVA UPS Power Systems</b>
	<b>Customer:</b> SNC-Lavalin Inc. for SaskPower.	<b>Location:</b> Kerrobert, Saskatchewan.
	<b>Application:</b> Dual 125 VDC auxiliary power systems and single, on-line 120 VAC backup inverter UPS system for the plant control and monitoring system of a gas turbine generating station.	<b>Equipment:</b> Dual 100 A chargers, 20 year life 470 Ah vented lead acid battery, 5 kVA inverter-transfer-bypass system, 5 kVA bypass line conditioner, custom DC and AC distribution units.
	<b>Value:</b> C\$81,000.	<b>Notes:</b> Turnkey, station DC & AC power systems.

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**2009 Queen Elizabeth Gas Turbine GS**

**Customer:** SNC-Lavalin Inc. for SaskPower.

**Application:** Dual 125 VDC auxiliary power systems and single, on-line 120 VAC backup inverter UPS system for the plant control and monitoring system of a gas turbine generating station.

**Value:** C\$200,000.

**125 V 200 A DC and 15 kVA UPS Power Systems**

**Location:** Saskatoon, Saskatchewan.

**Equipment:** Dual 200 A chargers, 20 year life 2000 Ah vented lead acid battery, 15 kVA inverter-transfer-bypass system, 15 kVA bypass line conditioner, custom DC and AC distribution units.

**Notes:** Turnkey, station DC & AC power systems.

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