

PROJECT PROFILE



OFF SHORE OIL RIGS



AIRPORTS



DATA CENTERS



UTILITY



HOSPITALS



SYSTEM 2000 SWITCHGEAR

USA

- | | |
|--|--|
| Alaska Energy Authority
(AK) | <ul style="list-style-type: none"> - Dual 150kW Prime power auto synchronizing switchgear. - Triple 100kW prime power auto synchronizing switchgear. |
| Cordova Bay Power
(AK) | <ul style="list-style-type: none"> - Triple 530kW hydroelectric turbines, prime power, parallel generation switchgear. |
| HAARP – US Department of Defense
(AK) | <ul style="list-style-type: none"> - 1 x 2685kW, 12.47kV Generator Paralleling Switchgear c/w provisions for 5 Additional units. |
| Harquahala
(AZ) | <ul style="list-style-type: none"> - GCS2200-DG/AS 1500kW Utility Synchronizing and standby switchboard. |
| Pacific Bell
(CA) | <ul style="list-style-type: none"> - Various sites, Emergency generator control panels, auto load banks. |
| B.F.Goodrich Aerospace - Aerostructures Group
(CA) | <ul style="list-style-type: none"> - 4 x 3.5 MW, 12kV Paralleling switchgear & transfer switch for standby genset. |
| Edwards Air Force Base
(CA) | <ul style="list-style-type: none"> - 2 x 1.4MW, 480V Standby power system, multiple transfer switch scheme. |
| Kiewit Pacific, Olivenham Dam
(CA) | <ul style="list-style-type: none"> - 6 x 2.0MW, 15kV Paralleling switchgear. |
| Sempra, Blythe Station
(CA) | <ul style="list-style-type: none"> - 5 x 275kW, 480V paralleling switchgear & genset controls. |
| San Diego State University
(CA) | <ul style="list-style-type: none"> - 2 x 5.3 MW gas turbines; 1 x 4.2 MW steam turbine paralleling switchgear & transfer switch for standby genset. |
| UCSD
(CA) | <ul style="list-style-type: none"> - GCS2200MV-DG/AS Quad 1MW, 15kV Utility Synchronizing and standby switchboard. |
| Spartech Plastics
(CA) | <ul style="list-style-type: none"> - 2 x 2.0 MW Co-Generation switchgear. |
| California Land Fill Sites
(CA) | <ul style="list-style-type: none"> - GCS2200MV-DG 5kV & 15kV Utility Synchronizing switchgear; 1 site - 1 x 1.3MW, 2 sites - 2 x 1.3MW. |

- IDEC Pharmaceuticals**
(CA) - GCS2200Mv-DG/AS 5 x 2MW Utility synchronizing & standby switchgear.
- City of Boca Raton**
(FL) - 4.5 MW Generator Controls and Instrumentation.
- Bethesda Hospital**
(FL) - GCS2200-AS 3 x 350kW, 1 x 800kW Synchronizing switchboard c/w distribution.
- Tycom**
(Guam) - 4 x 1750kW Standby Power System, multiple service entrance rated closed transition transfer switches; 2 x LBO 625kW outdoor loadbanks.
- Bank of Guam**
(Guam) - GCS2200AS 2 x 500kW; 1 x 450kW Paralleling switchgear for standby operation.
- AT&T KeaWaula Cable Station**
(HA) - 3 x 250kW Triple Synchronizing 480 V Paralleling Switchgear
- Hawaii Tug & Barge**
(HA) - Ship's service generator and shore power switchboards and distribution panels.
- Teleglobe**
(HA) - Dual prime power synchronizing switchgear.
- Aux Sable**
(IL) - GCS2200DG/AS 2 x 1200kW Utility synchronizing switchboards.
- Hines VA Hospital**
(IL) - GCS2200MV-AS 1500kW Engine control & standby transfer switchboard.
- World Wide Fibre, Cable Station**
(MA) - 3 x 500kW, 480V Generator Control and Protection switchgear
- 4 x TS 893-1600A, Automatic Transfer Switches
- Vector Pipeline**
(MI) - PG-UPT (Parallel Generation – Uninterrupted Power Transfer) 1 x 800kW, 480V c/w UPT 500 microprocessor controller
- Azores US Air Combat Command**
(NM client) - GCS2200MV-PP Prime Power/Parallel to utility 15kV switchgear and control (8 x 1MW).
- Texas University**
(TX) - GCS2200MV-DG/AS Quad 3175kW 15kV Utility synchronizing switchboard.

- Springville**
(UT) - Single 600kW hydro electric parallel generation switchgear (GE Series 6 P.L.C. system interface).
- Puget Sound Naval Shipyard**
(WA) - Emergency generator control system.
- Valley Medical Centre**
(WA) - Quad 1MW, 15kV cogeneration switchgear.
- Amtrak – Auxiliary Power Car**
(WA) - (Qty. 6) Dual engine generator control, synchronizing, protection and contactor disconnect panels (2 x 160KW gensets per panel).
- Talgo Rail**
(WA) - Dual 160kW automatic synchronizing control and switchgear for auxiliary power rail car (Qty 6).
- Madison Gas & Electric**
(WI) - PG-UPT (Parallel Generation – Uninterrupted Power Transfer)
1 x 500kW, 208/480V c/w
UPT 500 microprocessor controller
- Generac Corporation**
(WI) - PG-UPT (Parallel Generation – Uninterrupted Power Transfer)
1 x 300kW, 1 x 250kW, 208 V c/w
UPT 500 microprocessor controller
- Generac Corporation**
(WI) - Generator Test Bay Equipment 27kV, 2 x Feeder, 1 x Main c/w protection Switchgear
- Fibre Optics**
(Various Sites) - Forty-four repeater sites
c/w - UCS 200B generator controls
- battery chargers
- TS 850-400A transfer switches.
- US Landfill**
(Various Sites) - (Qty 20) 1000kW, 480V Generator protection and breaker switchboard
- Kili Island**
(Marshall Islands) - 1 x 560kW addition to existing Prime Power 2 x 560kW Paralleling Switchgear

CANADA

- Calgary Airport
(Systems Building and
Concourse "A")
(AB)**

 - PG-UPT® (Parallel Generation Uninterruptible Power Transfer):
c/w - UPT 500 microprocessor controller.

- Edmonton International
Airport
(AB)**

 - 1.5 MW diesel generator, GCS 2200 MV NEMA1, three section 5kV metal enclosed PG-UPT® - generator protection, transfer and synchronizing switchboard:
c/w Allen Bradley SLC/03 PLC

- Edmonton Utilities
(AB)**

 - Dual 1000kW manual cogeneration switchgear.

- Lethbridge Reg.
Hospital
(AB)**

 - Dual 1MW natural gas cogeneration switchgear:
c/w - AB PLC 5 series P.L.C.

- Red Deer Reg. Hospital
(AB)**

 - Dual 1 MW natural gas cogeneration switchgear:
c/w - AB PLC 5 series P.L.C.

- Rockyview Hospital
(AB)**

 - Dual 650kW auto synchronizing PG-UPT® (Parallel Generation- Uninterrupted Power Transfer) generator control switchgear.

- Shaw Communications
(North & South)
(AB)**

 - 3 x 1200kW paralleling switchgear and distribution.

- Telus Internet Data
Centre
(AB)**

 - 4 x 1600kW paralleling switchgear & distribution.

- Abbotsford Airport
(BC)**

 - PG-UPT® (Parallel Generation Uninterruptible Power Transfer):
c/w - UPT 500 microprocessor controller.

- Annacis Island Phase II
Upgrade
(BC)**

 - Quad 800kW cogeneration and system synchronization control system:
c/w- Elsag Bailey DCS system
- Provision for additional six units.

- B.C. Hydro & Power
Authority
(BC)**

 - 1MW Peak shaving control and switchboard.

- Iona Sewage Treatment
Plant
(BC)**

 - 4MW, 5kV Cogeneration switchgear.

- Peace Arch Hospital**
(BC)

 - Dual 600kW auto standby generator control switchgear.
 - TS 790-1600A bypass isolation transfer switch.

- Penticton Hospital**
(BC)

 - 2 – 500kW auto synchronizing generator control switchgear.

- Royal Jubilee Hospital**
(BC)

 - Quad 1000kW auto synchronizing generator control switchgear.

- Vancouver General Hospital**
(BC)

 - 9.6 MW T, 15kV standby power plant synchronizing controls and 15kV automatic transfer controls.

- Westport Innovations**
(BC)

 - 2 MW Gas/Diesel distributed generation switchgear; 2 MW loadbank.

- Williams Lake, Campbell River & Pt. Hardy Airports**
(BC)

 - Generator control and TSB 750 series bypass isolation transfer system.

- Grace Hospital**
(MB)

 - 2 – 750kW independent standby's:
c/w - GE series 6 P.L.C. system control and interface.
 - 9-TSB 750-600A bypass isolation transfer switches.

- Health Sciences Centre**
(MB)

 - 3 – 800kW auto synchronizing manual parallel generation control panel:
c/w - GE series 6 P.L.C. system interface.

- Manitoba Hydro Scada Building**
(MB)

 - Dual 500kW engine generators sets c/w generator control synchronizing and transfer switches:
c/w - ICS system
 - CIM module
 - Modbus protocol.

- Winnipeg International Airport**
(MB)

 - PG-UPT® (Parallel Generation Uninterruptible Power Transfer):
c/w - UPT 500 microprocessor controller.

- Gander**
(NF)

 - 2 x PG-UPT® (Parallel Generation Uninterruptible Power Transfer):
c/w - UPT 500 microprocessor controller.

- Newfoundland Power**
(NF)

 - Triple 60kW prime power auto synchronizing switchgear.

- Rose Blanche Brook**
(NF) - Single 5 MW, 11kV hydro electric parallel generation switchgear:
c/w - AB 5/04 P.L.C.
- Ragged Lake Research**
(NS) - Dual 250kW auto synchronizing switchgear.
- Northwest Territories Power Corporation**
(NWT) - Quad prime power auto synchronizing switchgear:
c/w - Siemens Simatic P.L.C. controls c/w remote monitoring and datalogging.
- Bank of Canada**
(ON) - 2 – 1000kW generator control switchgear c/w PG-UPT® (Parallel Generation Uninterruptible Power Transfer)
- Bell Mobility**
(ON) - 4 – 1250kW generator control switchgear c/w PG-UPT® (Parallel Generation Uninterruptible Power Transfer)
- Greater Toronto Airport Authority**
(ON) - 9 – 1200A closed transition transfer switches/bypass isolation c/w UPT (Uninterrupted Power Transfer);
1 – 1200 A closed transition transfer switches/bypass isolation c/w PG-UPT® (Parallel Generation Uninterruptible Power Transfer);
6 – 800A closed transition transfer switches/bypass isolation c/w UPT (Uninterrupted Power Transfer)
- Hotel Dieu of St. Joseph's**
(ON) - 2 – 600kW generator controls and 2 – TSB 750-800A bypass isolation transfer switches.
- Laboratory Centre For Disease Control**
(ON) - Dual 500kW generator controls; load bank; 4 auto transfer switches (100-600A); 23 manual transfer switches (100-800A).
- L.B. Pearson Airport**
(ON) - 600kW generator control switchgear and TSB 850-1200A bypass isolation transfer switch for control tower.
- 900kW generator control switchgear c/w PG-UPT® (Parallel Generation Uninterruptible Power Transfer) for airfield lighting.
- Meaford Public Utilities Commission**
(ON) - 650kW generator control switchgear c/w PG-UPT® (Parallel Generation Uninterruptible Power Transfer)
- Ontario Hydro/First Nations**
(ON) - Quad prime power auto synchronizing switchgear:
c/w - P.L.C. control.
- (4) Upgraded systems with 1000kW auto synchronizing switchgear:
c/w - PLC controls

- Region of Peel**
(ON)

 - 6 sites (totaling 20MW, 4160V) generator systems c/w PG-UPT® (Parallel Generation Uninterruptible Power Transfer)

- St. Joseph' Hospital**
(ON)

 - Generator control switchboard and TSBD 850-600A bypass isolation transfer switch.

- Thunder Bay Airport**
(ON)

 - 350kW generator control utilizing T.T.I. ECS 500, TS 790-1200A bypass isolation transfer system.
 - 1-200A & 5-100A TS 750 series automatic transfer switches.

- Tilley Building**
(ON)

 - 3 x 900kW auto synchronizing switchgear

- Windsor Utilities Commission**
(ON)

 - Quad 1050kW auto synchronizing and peak shaving controls:
c/w - Allen Bradley Series 5 P.L.C.'s and SCADA interface.

- Hospital de Chibougamau**
(PQ)

 - TSBD 850-600A bypass isolation transfer switch.

- Hydro Quebec**
(PQ)

 - Seventeen prime power control panels:
c/w - dual engine controls
- auto transfer switch.

- Mirabel Airport**
(PQ)

 - PG-UPT® (Parallel Generation Uninterruptible Power Transfer):
c/w - UPT 500 microprocessor controller.

- Montreal Airport**
(PQ)

 - 2 – 500kW PG-UPT® (Parallel Generation Uninterruptible Power Transfer)
c/w - UPT 500 microprocessor controller.
 - 2 x 600kW generator control utilizing T.T.I. ECS 500, TS 790-1200A bypass isolation transfer system and LINK 500 remote management software.

- City Hospital**
(SK)

 - Triple 1000kW auto synchronizing. TS 890 bypass isolation transfer switches

- Area Control Centre**
(ACC)

 - (Seven sites) Generator control and remote communication for 900kW standby generator system.

- RAMP Project**

 - Forty 400A & 600A emergency generator control switchgear:
c/w - TSB 750 & TSB 760 bypass isolation transfer switches.
- Built to A.Q.A.P.- 4 level Q.A. standards.

- Cantel**
(Various Sites) - 165 sites, 30kW-50kW auto standby generator controls and TS 760 series auto transfer switches. 85 sites include the T.T.I. MEC 10/100 microprocessor based generator control.
c/w - remote monitoring.

- Ledcor**
(Various Sites) - 100 sites, various sizes automatic transfer switches, control panels, battery chargers:
c/w - remote monitoring

- Sable Offshore Drilling Platforms** - Ten prime power and standby generator synchronizing control switchboards.

INTERNATIONAL

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|---|---|
| <p>Beijing TV
(PRC)</p> | <ul style="list-style-type: none"> - Dual 220kW generator control and automatic synchronizing switchgear:
c/w - TS 750 series 800A transfer switches
- Auto load demand controls. |
| <p>China Telecom
(PRC)</p> | <ul style="list-style-type: none"> - 27 sites – Beijing – Wuhan-Guangzhou microwave links
30kw-75 kw dual standby generator control panel for non-man stations. |
| <p>China Telecom
(PRC)</p> | <ul style="list-style-type: none"> - 6 sites – Chongdu-Chongqing microwave links
30kw-75 kw dual standby generator control panel for non-man stations. |
| <p>China Telecom
(PRC)</p> | <ul style="list-style-type: none"> - 11 sites – Shanghai-Wuhan microwave links
30kw-75 kw dual standby generator control panel for non-man stations. |
| <p>Hong Kong Airport
(PRC)</p> | <ul style="list-style-type: none"> - 2 sites – Two 750kW generators PG-UPT®(Parallel Generation Uninterruptible Power Transfer):
c/w MEC 20 Engine controllers / Communication Interface Modules (CIM) |
| <p>Ministry of Post and Telecommunications
(PRC)</p> | <ul style="list-style-type: none"> - Over 500 standby & prime power installations c/w MEC micro-processor controls, TS 750 automatic transfer switches, BCM 1210 battery chargers and LINK 500 remote management software. |
| <p>Shanghai Stock Exchange
(PRC)</p> | <ul style="list-style-type: none"> - Generator synchronizing and switchboards for 4 x 880 kW gensets:
c/w – 600kW and 900kW load banks |
| <p>Zuhai Airport
(PRC)</p> | <ul style="list-style-type: none"> - (2) 320kW standby generators with telecommunication and
(2) TS 750-600A automatic transfer switches. |
| <p>Industrial & Commercial Bank of China
(PRC)</p> | <ul style="list-style-type: none"> - Seven section 2 x 1800kW synchronizing switchboard c/w feeder breakers. |
| <p>Tomorrow Square (Shanghai Marriott)
(PRC)</p> | <ul style="list-style-type: none"> - 2 x 1800kW 400V paralleling switchgear and distribution, 142 ATS and ATS c/w bypass. |
| <p>Hainan Island P & T
(PRC)</p> | <ul style="list-style-type: none"> - 2 x 1600kW synchronizing switchboard. |
| <p>Atomic Energy(A.E.C.L.)
(Romania)</p> | <ul style="list-style-type: none"> - Quad 4 MW auto synchronizing switchgear. - Standby system for Candu Nuclear reactor:
c/w – Cegelec GEM80 P.L.C. controls. |

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| Aramco
(Saudi Arabia) | - Dual 500kW synchronizing switchgear |
| Aramco (Bell Microtel)
(Saudi Arabia) | - Forty one sites prime power thermoelectric generators and controls:
c/w – standby generator and controls
– AC & DC power |
| City Investing Group
(Ecuador) | - Triple 500kW natural gas and single 600kW diesel generator synchronizing switchgear:
c/w – AB SLC 5/04 P.L.C. |
| Mollendo Power Plant
(Peru) | - Triple 10.5 MW excitation and synchronizing control switchgear. |
| Yacabu-Quiber 24km Tunnel Project
(Venezuela) | - Triple 100kW and dual 1000kW prime power manual synchronizing generator control panel.

- Dual 400kW manual synchronizing generator control panel. |
| Arauco II
(Chile) | - Dual 800kW dead field paralleling generator controls and 2000A automatic transfer switch. |
| EI Mercuri
(Chile) | - Four section generator paralleling switchboard
c/w – single 15kV utility peak shaving switchgear |
| Antofagasta
(Chile) | - TS 890-1600A closed transition automatic transfer switch. |
| Amoco
(Bolivia) | - Five section generator control and synchronizing switchgear. |
| Easter Island
(South Pacific) | - Single section generator control and synchronizing switchgear. |
| Editorial
(Antarctica) | - Dual 900kW two section generator paralleling switchboard
c/w – single 15kV utility peak shaving switchgear. |
| Shell
(Nigeria) | - Four section 3 x 550kW and 1 x 128kw synchronizing switchboard. |
| Arena Power
(Mexico) | - 1050kW, 5kV generator control and protection switchgear. |