

Slacan's first substation project 138 KV lattice structures at Cavalier & Balzac, Alberta in 2001.



Dominican Republic

This project for export to the Dominican Republic involved manufacturing and shipping 3 separate 12.5 KV substations.

All columns and girders were to be completely assembled to minimize field labour and were to fit into open top shipping containers

The first photo shows column and girder sections assembled, waiting to be loaded into shipping containers

First photo right shows a completely loaded shipping container.









Two of the Dominican Republic 12.5 KV lattice structures after field installation were completed.



Windfarm – Riply Ontario

Majestic 230 KV substation feeds power from Riply Ontario windfarm to the grid.

Slacan designed and manufactured both stations including the 230 KV A-Frame deadend structures shown above.

A closer view of the same installation shows the 230 KV disconnect switch structure.







Riply windfarm 34.5 KV 6-bay structure collecting power from 39 turbines to feed the 69 KV transformer.





69 KV disconnect switch, metering stands and A-Frame deadend structure.









H-Frame-St. Clair Energy



Above, a column is test assembled at our plant to ensure trouble free field erection.

At right, one of four H-Frame deadends nears completion at the St. Clair Energy Center 230 KV substation





Partial view of the switchyard at St. Clair site showing 230 KV disconnect switches, circuit breakers and A-frame deadend structures in the background.





Collector structures designed and manufactured by Slacan for the Prince Windfarm Phase 2 project.



Prince Windfarm

Two views of the termination structures at the Prince Windfarm Phase 2 project.

Above, 2 of 4 terminations are visible completed, with the collector 8-bay structure in the background.

At right, a close-up view of one termination stand.









A view of a switch, drive and bus runs on Prince Windfarm collector 8-bay structure.





Erecting the beam of the 230 KV A-Frame deadend at Prince Windfarm Phase 2.





Galvanized HSS columns, beams and equipment stands ready for shipment to the jobsite. Note mark numbers painted on the end plates so they are covered after installation.





230 KV deadend structure using I beam columns for high loading condition.

Columns showing beam connections stubs and grounding tabs.





Anchor cages with partial galvanizing are assembled and ready for shipment.





Suspension arms banded and colour coded for shipment to the Victor Mine 115 KV Transmission Line





230 KV transmission line steel cross arms and cross braces for angle and tangent structures leading to Prince Windfarm.



| USER LIST SUBSTATION/STRUCTURAL PROJECTS | | | | | |
|--|----------|---------|--|--|--|
| VOLTAGE | CUSTOMER | PROJECT | | | |
| | | | | | |

| 138KV | Delta Hudson | Pan Canadian Ab., Cavilier/Balzac Sub & Switchyard |
|--------|--|--|
| 25KV | Cribtec | SM-1 Sub. |
| 69KV | Abitibi Consolidated | ACBC-002 Sub. |
| 25KV | PTS Electric | Co-op Regionale D' Electricity Sub. |
| 15KV | Powertel | Great Lakes Power Sub. |
| 12.5KV | PTS Electric | Dominican Republic 3 stations, JJ Puello, Las Barias, Nizao Najayo |
| 44KV | PTS Electric | Goldcorp Red Lake Sub. |
| 144KV | Can. Gas & Electric Grand Prairie Ecocentre Sub. | |
| 115KV | Powertel | Great Lakes Power Andrews TS. |
| 44KV | Columbia Forest | Structure Mods. |
| 69KV | Comstock | Inco #4 Oxygen Plant Sub. |
| 69KV | Comstock | Inco #2 Steel Crossarms |
| 115KV | Powertel | Great Lakes Power Andrews TS #2 Sub. |
| | Eptcon | Norfolk Power Delhi MS-1 Stands |
| 115KV | Powertel | Debeers Victor Mine Sub. |
| | Eptcon | Great Lakes Power Steeltown, Patrick St. Stands |
| 115KV | Powertel | Steel Crossarms |
| | Powertel | CVT/PT Stands Inco and Debeers mines |
| 230KV | Powertel | Great Lakes Power Steel Crossarms |
| 115KV | Powertel | Five Nations Energy Steel Crossarms |
| 115KV | Valard Const. | Suspension Arms Victor Mine TL |
| 230KV | S&C Electric | Prince Windfarm Phase 2 Sub. |
| | Black & McDonald | Waterloo North Structure Mods. |
| | Black & McDonald | Greenfield Energy Anchorage Assy for Towers |
| 69KV | Powertel | Inco #4 Girders & Structure MOds. |
| | Powertel | Fort Albany Stands |
| 230KV | K-Line Const. | Majestic North TS. Sub. |
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USER LIST SUBSTATION/STRUCTURAL PROJECTS VOLTAGE CUSTOMER PROJECT

| 69KV | K-Line Const. | Riply Windfarm Collector Sub. |
|--------|--------------------|--|
| 115KV | Powertel | Umbata Falls Switch structure |
| 230KV | Black & McDonald | St. Clair Energy Centre Sub. |
| 230KV | HDS/Delta Unibus | Westar Energy Centre, KS Tapoff Structures |
| 34.5KV | HDS/Heartland. | Weber Sub., KS |
| 5KV | HDS/Niles OH | Walnut St. Regulator Structure |
| 69KV | HDS/Fulton, Mo | Fulton Junction 1 bay switch structure |
| 15KV | Prairie West Tech. | Service Kidd Creek Mine Stands |
| 230KV | Mitsubishi | Hydro One Clairville Equipment Stands |
| 44KV | Powertel | Xstrata Fraser Morgan Mine Deadend structures |
| 115KV | Powertel | Gartshore GS Lattice deadend, stands, cable tray |
| 230KV | Kiewit | Thorold Co-gen complete packaged substation |

