

Shelter Engineering and Marketing Services Ltd.

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Hangar doors

Shelter Engineering's hangar door product range includes horizontal sliding type systems, vertical bi-fold systems and vertical/tilt panels. The horizontal type doors may be two-way systems, one-way systems or floating jumbo panels. The systems can be retrofitted into hangars to replace existing door systems or to add a larger one with the necessary supporting structural work for the larger door. Projects at the Sault Ste. Marie and Toronto airports were of the latter type. The power system on the horizontal sliding doors is either externally mounted to the inside surface of the lead panel or internally mounted within the thickness of the door panels. The vertical bi-fold type doors are powered by a bottom rotating shaft with the appropriate motors and controls. The complete support structure, mechanical and architectural sheeting and insulation can also be supplied for a hangar door system.

Company Profile

Shelter Engineering and Marketing Services Ltd., a wholly owned Canadian company established in 1978, supplies hangar door systems and multi-bay, single-span and multiple-span hangars to the aviation industry. The firm negotiates contracts, designs the system and subcontracts the construction of hangars on a specific basis to suit the exact requirements of a particular customer. Over 25 Shelter hangar door systems have been supplied, including installations in Val d'Or, Quebec; St. Anthony's, Newfoundland; Halifax International Airport; Cold Lake, Alberta; Quebec City, Quebec; Pearson International Airport, Toronto; and Dorval International Airport.



Hangar doors

Siemens Electric Limited

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F. Rang, Manager, Airport Technology

Airport lighting

Siemens manufactures a full range of airport lighting systems and associated power supply and electronic equipment. Through wide experience in many countries and over many years, the company has gained the know-how to produce reliable equipment that meets the most stringent standards. A worldwide service organization is part of the company's total commitment to quality.

Specific airport products supplied by Siemens in Canada include:

- field electric centres
- constant current regulators
- high intensity and medium intensity edge lights
- approach, threshold, and taxiway lights
- runway centre line inset lights
- runway touch-down zone inset lights

- runway turn-off inset lights
- runway threshold inset lights and taxiway inset lights
- isolating transformers
- 5 kV cable for airport lighting and 5 kV cable connectors
- cast from an alu fixture mounting
- breakable couplings for edge lights
- cable pull pits
- earth stakes for fixture mounting
- apron flood lights and poles
- windsocks and towers
- 5 kV transfer switches
- power distributions equipment — 120/208 V, 600 V and 5/15 kV
- airport control equipment
- PAPIs (precision approach path indicators)
- REIL (runway end identification lights)
- rotating beacons
- control panels
- stop bar "wig wag" lights.

Company Profile

The name Siemens has been connected with innovative technology since Werner von Siemens invented the first needle telegraph in 1847. Today, the Siemens group of companies is a world leader in electrical and electronic products, with facilities in 128 countries. The Canadian subsidiary, founded in 1912, has played a major role in Canada's development and now has four manufacturing plants in the country and 14 sales offices. Siemens provides field service for all its products, as well as consulting and project planning to help with the implementation of its