

Nordic Systems Inc.

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NORDIC MSGA
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Rescue and fire-fighting vehicles

■ Nordic's "Foam Boss" rescue and fire-fighting vehicles are used at airports and heliports to assist in the safe evacuation of passengers and crew and to control, extinguish and prevent fires. Each is a high-mobility vehicle on a custom chassis and can deliver large quantities of water and foam, as well as secondary extinguishing agents and rescue equipment to the site of a fire. All vehicles in the line meet or exceed the operational requirements of the International Civil Aviation Organization (ICAO), the National Fire Prevention Association (NFPA), the Federal Aviation Authority (FAA), Transport Canada and Canadian and United States military organizations.

The "Foam Boss" all terrain fire fighting vehicle (ATV) is used in adverse weather and soil conditions where high flotation and traction are required. The rapid intervention vehicle (RIV) is a rapid acceleration, high speed, cross country dual agent vehicle. It is designed to reach the scene of a fire quickly in order to secure an exit corridor for passengers and crew and contain the fire until the major vehicles arrive. RIVs carry rescue and life-saving equipment such as extraction devices, ladders, resuscitation apparatus, stretchers, first aid kits and up to 2 500 L of water.

Fire-fighting components

Nordic manufactures fire-fighting components and skid systems for original equipment manufacturers of airport rescue and fire-fighting vehicles. These components include tanks and pressure vessels, foam proportioning systems, turrets, nozzles and hose reels. The skid systems are self-contained fire-fighting units that can be mounted on a variety of vehicles or on fixed locations.

Company Profile

Over four decades, Nordic has developed into an industry leader in fire-fighting vehicles and systems, tank truck loading and unloading components for the petrochemical industry and hose and cable reels for a variety of applications. Now a part of the LNS Group of Companies, Nordic Systems Inc. has a 2 805 m² (30 200 sq. ft.) facility in Mississauga, near Toronto. The company has almost 50 employees, including engineers, marketing and sales personnel, administration staff and manufacturing and stores staff. In addition, the firm hires contract employees on a project basis.



The "Foam Boss" 1200 L/135 kg dual agent rapid intervention vehicle

Pelorus Navigation Systems

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Distance Measuring Equipment (DME)

■ DME is a navigational system which continuously gives distance information between an aircraft and a given ground station. The main features of the Pelorus DME are:

- The system's solid-state design, fail-safe techniques and absence of moving parts give stable performance and long-term reliability.
- Exceptionally low power requirements enables the DME to be run off a 24 VDC battery, thermoelectric generators or solar energy cells.
- The Pelorus DME is twice as accurate as many other systems. This means it can be located at sites affected by multi-path reflections from man-made or natural obstructions.
- The flexible design permits colocation with VOR, ILS or MLS.

- The system is available in either 100 W or 1000 W and in single or dual configurations.
- Its remote monitoring and maintenance feature provides continuous monitoring of key parameters and cost-effective fault diagnosis from a remote central maintenance facility.

Automated weather observation and reporting system (AWOS)

The Pelorus AWOS series 8000 is a self-contained, automated surface weather system that retrieves and processes weather data from sensors. The system then distributes reports to airborne and ground users, either locally or remotely through voice and data communications channels. A 100 per cent solid state system, the AWOS automatically transmits weather and altimeter information (in the language of the client's choice) over any selected communication channel, 24 hours a day. No human observations or interventions are required and the information is continuously updated and available. Weather reports include airport name, time (GMT), wind direction, wind velocity (including gusts), temperature, dew-point, altimeter settings, ceiling, visibility and NOTAM information and runway condition.

Company Profile

Pelorus Navigation Systems specializes in the development, manufacture and installation of advanced radio navigation equipment for airports. Pelorus typically supplies equipment on a turnkey