



INTERNATIONAL ROAD DYNAMICS INC.

HTMS

Highway Traffic Management System

Take Control.

Accurate Highway Monitoring



Effective Revenue Generation



**IRD HTMS
Control Centre**



Traffic Classification



Safety Facilities



Traveler Information



**We make
highways
talk™**

Put control directly in the hands of Highway Traffic Managers with IRD's real-time, scalable, secure HTMS.

The IRD HTMS is...

- ...Guaranteed performance and control
- ...Built to accommodate all terrains
- ...Adaptable to any highway design
- ...Designed to fit your requirements by technical specialists
- ...Configured to provide a complete solution while minimizing capital investment
- ...Implemented with high quality, commercial components, including IRD WIM (Weigh-In-Motion), Toll, Safety & Vehicle Tracking Systems
- ...Transparently integrated into one system
- ...Installed by professionals to provide reliable, continuous operation

Accurate Highway Monitoring

- Precision Video Surveillance: pan/tilt/zoom, slow/fast scan, day/night
- Weather Conditions: temperature, humidity, barometric pressure
- Road Conditions: dry, snow, rain, ice, dust
- Traffic Counts: acoustic, ultrasonic, laser, microwave radar sensors
- SCADA monitoring

Traffic Classification

- Weigh-In-Motion: Single Load Cell, Piezoelectric, Bending Plate
- Video Classification: laser scanning, video detection
- RF Identification: AVI (Automatic Vehicle Identification)

Safety Facilities

- Emergency Call Boxes (ECB): wireless, cellular or local loop
- Emergency Fleet Dispatch: incident management, and ECB call recording
- Safety Systems: rollover, downhill, construction warning

Traveler Information

- Fleet mobile Communication: wireless or cellular
- Variable/Dynamic Message Signs: small, large or multi-color
- Portable Notification Systems: Wireless, solar powered
- Vehicle Tracking and Monitoring: GPS, wireless, cellular
- Traveler Information Systems: Highway Advisory Radio

Effective Revenue Generation

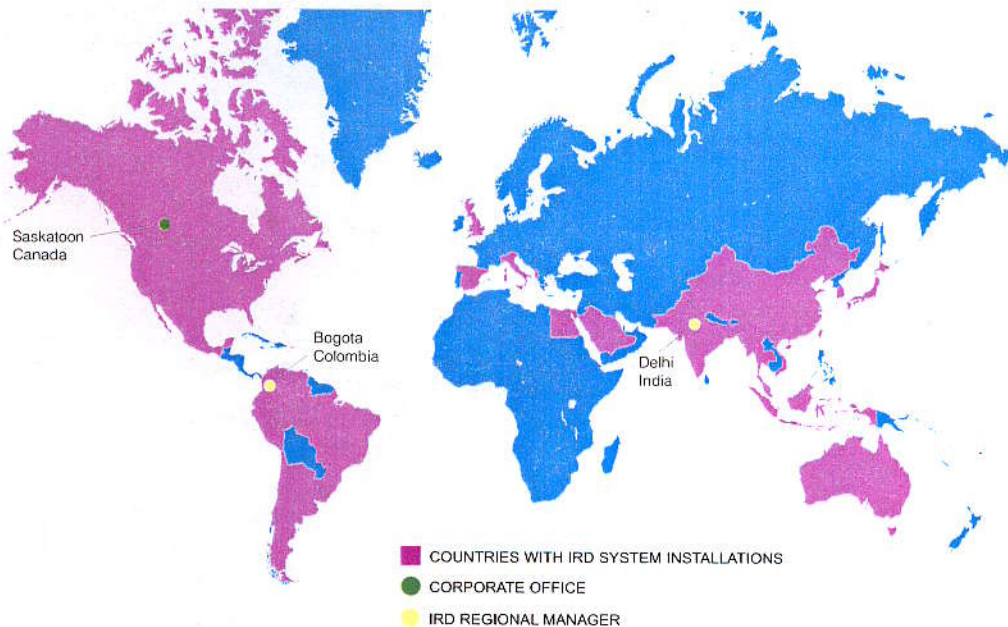
- Toll Systems: pre-classification, post-classification, real-time auditing
- Automatic Payment: Smartcard technology, AVI
- Resale of Excess Network Capacity: data, telecom, Internet access

A Single Scalable and Reliable Network

- Multi-mode - Fiberoptic, wireless, cellular
- Multi-media - Data, voice, video
- Open standards-based
- Highly reliable and redundant
- Potential revenue generator

IRD can design and implement an HTMS that meets your requirements!





EXPERIENCE

The map above shows IRD's worldwide system installations. Through its local representatives and offices, IRD provides customer services ranging from standard warranty to comprehensive maintenance and service contracts.

IRD is a highway traffic management products and technology company which operates worldwide in the ITS (Intelligent Transportation Systems) industry. Private highway concessionaires, transportation agencies and highway authorities around the world use IRD's products and advanced systems to manage and protect their highway infrastructure.



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Publicly Traded on the TSX (Symbol IRD)

Find out more about IRD on our web site: www.irdinc.com

IRD products and components are protected by one or more of the following patents
US: 4,380,071; 4,366,671; 4,363,584; 4,799,381; 5,093,493; 5,747,746; 5,621,195; 5,617,086; 5,477,217
CAN: 1,126,767; 1,161,075; 1,173,069; 2,028,660; 2,134,717; 2,134,718; 2,122,694; 2,160,418; 2,161,853; 2,228,461