



ADVANCED SOLUTION FOR FLEET'S NEEDS

YUKON RESOURCES INVESTMENT INC. (YRII) and Gasit is the representative of Roseman Engineering Ltd in Canada. Roseman Engineering Ltd designs and manufactures computerized refueling and **Automatic Vehicle Identification (AVI)** Systems since 1978. As a worldwide pioneer in AVI technology, Roseman is the market leader providing complete solution for automatic refueling and operational data collection for vehicle fleets.

Our Expertise - Engineering flexible systems, customized to meet client's needs, combined all data and information to boost fleet profitability, accountability and performance. And to integrate information network that addresses every element of a fleet manager's day to day business operations.

The Vision – We aim to help our customers observe and control their fleet activities online in real-time, and ultimately to operate a cost-effective fleet.

Benefits - *Better profitability, accountability and performance - Better ROI!*

- Optimizes fuel / oil consumption
- Optimizes vehicle maintenance
- Increases operational efficiency
- Detects and avoid high fuel wastage
- Reduces accidents, and wear and tear on vehicles
- Eliminates unauthorized vehicle usage and / or moonlighting
- Records who was driving what vehicle at any particular time
- Controls driver's fuel consumption targets
- Improves driving safety
- Prevents theft and fraud
- Data is transparent to management
- Provides a car pool solution

Home Base Gas Station-Hardware & Software

Home Base Controller - Check to ensure the vehicle is authorized to refuel and the correct fuel is pumped. Once approved, the controller allows the fuel to flow. Following fueling, the station controller registers the amount, time, date, vehicle number, fleet number, account number, odometer or engine hour readings. Fuel charging is then performed automatically to the account number registered in the VIB.

Detailed and precise data on everything from fuel use to carbon emissions and repairs will then be generated. The data is vital for optimizing efficiency, controlling costs and maintaining

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competitiveness. The challenge is how to collate, analyze and use the data in a way that supports your business.

The Standalone Terminal – It is the central component at the unattended vehicle-fueling site. It includes hardware and software. It allows fuel to be dispensed only to authorize vehicles. User information is directly transferred through, and the Standalone unit is weatherproof, tamper-resistant, and vandal resistant because of its ruggedized exterior.

Activator - A wireless RF device is installed in the pump's Nozzle. Its function is to activate the ring and the identifier installed on the vehicle

Fleet Hardware

VIB - Vehicle Identification Box (VIB) is an intelligent and comprehensive IT-enabled solution for the petrol and fuel retail industry. The core function is a vehicle identification-based fuel payment service for private and for corporate fleet customers.

The Ring - Fleet RFID "ring" is an antenna that is installed in the vehicle's tank. It is connected to the VIB and is activated by the Nozzle Transponder.

Mileage (KM) Reader - It captures the odometer reading data from the Can bus and OBD connector. Also can read pulses from transition or dashboard.

Tanker Controller-Hardware & Software

MFC - Mobile Fleet Controller is an innovative refueling mobility point system that provides automated vehicle fueling. It is installed on a fuel tanker that functions as a mobile fueling station. With the Mobile Fleet, fleet managers can account for every drop dispensed from each tanker truck automatically and cost effectively. Being a part of the Fleet Management platform, the Mobile Fleet system is wireless and it routes data from the fuel tank to a central database for consolidated viewing and reporting.

Software and Business Intelligence platform

Our platform is capable of handling large amounts of unstructured data to help identify, develop and otherwise create new strategic business opportunities. We provide interface to all database that related to the fuel control chain value. Analyzing indicators and comparing data on a realtime base enable clients to make better decision on a short time scale.

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Reports - Our Software generates periodic reports for all vehicles operating information including transaction data, odometer reading, and fuel consumption for stations, vehicles and users.

- **Station Reports** include fuel inventory data, refueling time for each fuel type and each dispenser.
- **Vehicle Reports** display information includes time of the refueling, consumed fuel quantity, mileage, discount and debit total.
- **User Reports** display the time of the refueling, the discount and the fuel station name for each user, and authorized users list with a password option.

Standards - Our Fleet Management System meets ISO, FCC, EMC, EC and UL standards

Our Main Clients - Mines, road constructions, transportation and delivery companies

Government Fleets - Police, post, military, municipalities and more.

For further information please contact our *Project Manager, Ms. Chennie Lai* at chennie.lai@yrii.ca.

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