

#### Corporate Presentation | July 2015



GRT is a publicly traded Canadian company with offices in Denver CO, Houston TX, Vancouver BC, and Mexico City

#### **CNSX:RGT**







- Global Remote Technologies (GRT) specializes in oil and gas remote sensing and data aggregation. Prospector integrates with existing sensor information, if available, adds sensors when missing, and transmits telemetry from pipeline, drilling, and production sites to a central server where it is viewed in Prospector web interface (viewer).
- The system is designed to provide key personnel with early warnings to avoid disasters while lowering NPT (non-productive time) and response time. Prospector provides vital information for equipment status, storage tanks, pipelines, exploration, production, and the transmission of oil, gas, and water.
- Global Remote Technologies (GRT) is a publicly traded Canadian company with offices in Denver CO, Houston TX, Vancouver BC, and Mexico City <u>CNSX:RGT</u>







## Collect

#### **Collect-Distribute-Display-Analyze**

The industrial complex is presently collecting oil and gas field data across its broad infrastructure through numerous and varied sensor technologies. However, the integration, collection, assessment, and proper distribution of that data has varied from program to program. **GRT**, using its sophisticated data aggregation, new algorithms, and display abilities has solved this problem.

## Distribute



Analyze



**Display** 

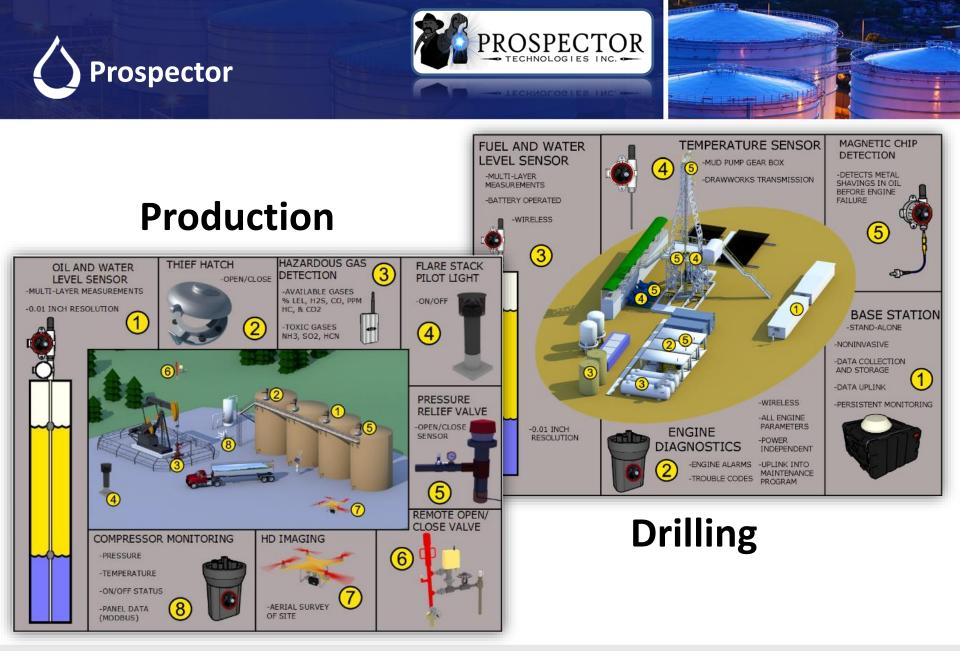




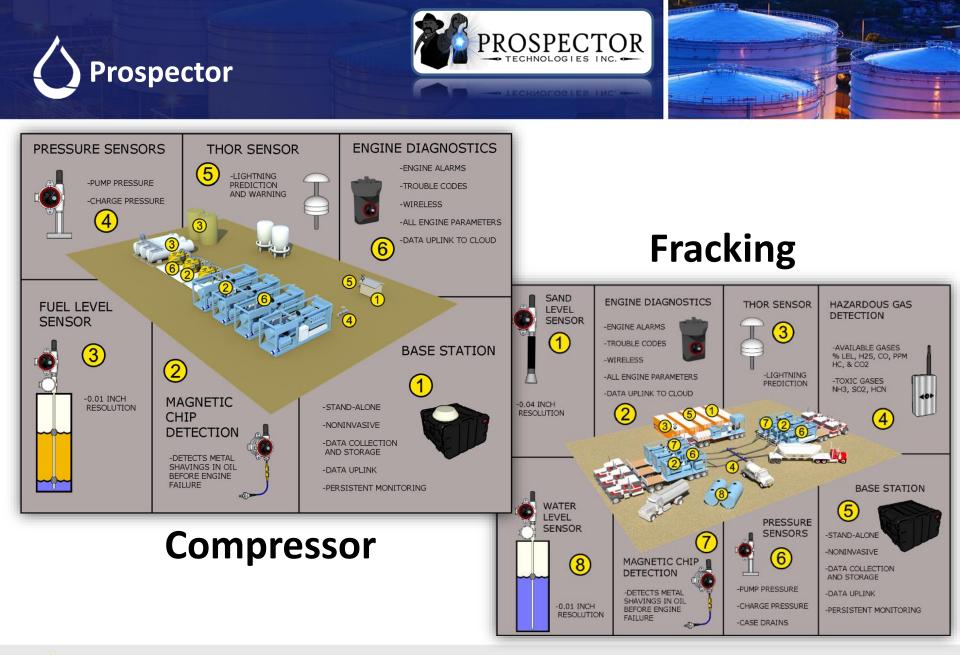
## Data Aggregation

GRT uses a wireless-sensor based, persistent monitoring, and data aggregation technology (**Prospector**). It combines real-time critical monitoring of multiple sensors for fluid levels, temperatures, engines, safety equipment, and compliance sensors in one package. This information is collected and exported offsite to a centralized server where it is processed and viewed using a web-based interface.









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## Site Mapping

GRT deploys a sophisticated site mapping system (**Kestrel**) that combines compact hyperspectral, multispectral, and high-resolution digital imaging systems suitable for light aircraft, helicopters, and UAVs. This information is displayed in the Prospector web viewer.





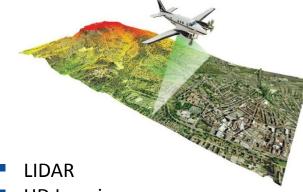




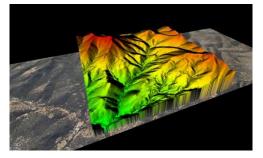


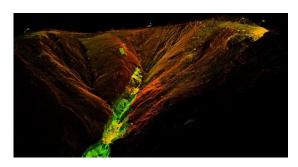
#### **Kestrel**

Airplane mounted equipment provides Kestrel with the ability to analyze very large areas with ease for:



- HD Imaging
- ROW surveying
- Large Field/City Mapping
- **Pipeline Locating**
- **Project Tracking**















#### **Kestrel**

UAV mounted equipment provides Kestrel with the ability to analyze local areas with ease. GRT uses this analysis for:

- Site Imaging HD
- Compliance Violations
- Leak detection
- Corrosion Detection
- IR Emissions
- Thermal



GLOBAL REMOTE

**ECHNOLOGIES** 









# Data Display

The **Prospector** web interface is the primary method used to access the aggregated live data. This user-friendly, web-based interface provides real-time intuitive access to the status of your valuable assets.







GUARDIAN Status Data Map Subscriptions								
New Frontier Global	Severity \$	Transition Time 💠 Region	♦ Site	♦ Equipment	Measurement	♦ Latest Value  ♦		
	0	2015-05-26 08:38:27 Zulu Oil Field	Fracking Site	Engine 2	Total Fuel Used	3323302 gal		
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	0	2014-		Oil Tank 1	remperature	69.80 °F		
	0	2014- 3:07 Zulu Oil Field	and and and the former to the state	Drawworks 1	Temperature	32.00 °F		
	0	2014-11-13 14:25:03 Zulu Oil Field	Contraction Contraction	Engine 2	Accelerator Pedal Po	sition 31.20 %		
	0	2014-10-27 13:24:23 Zulu Oil Field		Engine 1	Electrical Potential	31.10 V		
	0	2014-10-27 13:23:39 Zulu Oil Field		Engine 1	Fuel Rate	0.01 gal/h		

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2014-10-27 13:22:56 Zulu Oil Field

#### WWW.GRTCSE.COM

Engine Oil Pressure

62.16 psi English

Engine 1





GRT



**GRT** performs a comprehensive assessment using the collected data, leak detection equipment, and a ground-level physical inspection. Using information gathered from the site, a corrective action plan is generated laying out recommendations for improvement.











GRT uses a WITSML database provided by **Polaris Guidance**. This server provides a comprehensive set of objects on a fully scalable platform. This high performance WITSML storage server effectively provides unparalleled support for customization.

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charrison	Admin	charrison@precisiondrilling.com	Creig	Harrison	PRECISION		
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Burner	Admin	(turner@sharewell.com	Jason	Turner	SHAREWELL		
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moulpepper	Admin	mcvipepper@gmail.com	Marc	Culpepper	PRECISION		
mmiller	Admin	mmiller@sharesell.com	Mark	Miller	SHAREWELL		
msioane	Admin	mskane@dritech.net	Hike	Skene	DRILTECH	DBBKUP	
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CONTRACTOR	Admin	ryancomeaux@geo-magmed.com	Ryan	Comeaux	GEOMAG		
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#### **Commissioning Pipelines**

Commissioning services are tailored to meet clients' individual project needs according to pipeline materials and location.

#### **Industrial Resources**

GRT's staff of writers, operators, and technicians help to support client facilities either in the field as part of a management team or as individual personnel attachment in every stage of midstream operation from design to implementation.







#### **Professional Staff Capabilities**

Complete midstream projects faster with direct support from GRT's certified inspectors and specialists. GRT's personnel monitor and verify safety and quality during construction or repair of piping, tanks, and more.

#### **Pipeline Safety Professionals**

GRT's safety support services helps clients keep midstream projects on schedule and ensures pipeline construction or repairs meet industry safety standards.









#### **Commissioning Plants**

GRT staff verifies operations comply with design specifications. GRT engineers remain on site until project completion, regardless of project duration.

#### **Industrial Resources**

GRT's staff of writers, operators, and technicians help to support client facilities either in the field as part of a management team or as individual personnel attachment in every stage of downstream operation from design to implementation.







#### **Coaching and Mentoring**

Operators new to their career are paired with veteran industry consultants in a program that creates a thorough training environment to produce versed operators in the industry.

#### **Process Safety Management**

GRT experts can create, maintain, and manage a comprehensive process safety management program, or support a client's existing program to ensure compliance with OSHA's Process Safety Management 29 CFR 1910.119 (PSM) Mechanical Integrity Directive.







#### **Refinery Inspection**

GRT's certified specialist in quality and safety help to ensure plant turnarounds, maintenance, or shutdown inspections happen smoothly and efficiently.

#### **Turnaround Services**

GRT's trained teams coordinate turnaround or shutdown operations during critical events and ensure every step in the process is accurately executed.









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### How does the GRT team benefit our customers?

- Gathering, analyzing, and rapidly disseminating data to the right person.
- Giving an increased capability to understand and respond to internal and external risks to its assets, both human and material, in real time.
- Providing the customer with a dedicated data collection, analysis, and distribution center that delivers actionable information to the right people 24/7.
- Providing Subject Matter Experts to the customer from our knowledgeable staff with deep roots in energy exploration, production, and distribution.

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