



**GLOBAL
REMOTE
TECHNOLOGIES LTD.**

KESTREL

GRT provides complete site assessments from the air and ground. GRT uses multiple sophisticated platforms keeping clients ahead of complications and losses.



The technical staff at Global Remote Technologies performs a variety of site-related services, including comprehensive site assessment, leak detection services, orthomosaic map creation, advanced photogrammetry surveying, and lost assets discovery, by using manned and unmanned aerial systems equipped with high definition and infrared cameras, and also by performing ground level physical inspections.

Using information gathered from the site in these ways, GRT generates a corrective action plan that details the recommendations for improvement.

Global Remote Technologies deploys a sophisticated site mapping system that combines compact hyperspectral, multispectral, and high-resolution digital imaging systems suitable for light aircraft, helicopters, and unmanned aerial vehicles. This information is displayed in the Prospector web viewer.

The aerial camera systems provide high definition, as well as infrared imaging to facilitate:

- ▶ Site mapping
- ▶ Detecting compliance violations
- ▶ Detecting visual level leaks and corrosion
- ▶ Locating pipeline
- ▶ Asset tracking
- ▶ Supporting event documentation

Cameras mounted on unmanned aerial vehicles visually capture large areas with ease, providing the ability to:

- ▶ Track assets
- ▶ Collect data for leaks, spills, and corrosion
- ▶ Support orthographic mapping

Unmanned aerial vehicles configured with infrared cameras provide clients with a unique and more thoroughly detailed analysis for:

- ▶ Detecting below ground leaks and spills
- ▶ Detecting corrosion that cannot be observed visually
- ▶ Detecting fugitive emissions
- ▶ Locating pipeline that cannot be detected visually

Equipment mounted to manned aerial systems captures high definition images and provides Kestrel the ability to easily evaluate broad areas for:

- ▶ LIDAR mapping
- ▶ High definition imaging
- ▶ Right of way surveying
- ▶ Large field/city mapping
- ▶ Pipeline Locating
- ▶ Project Tracking

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