TELOPS

EXOSENS GROUP

Methane Airborne Detection Solution

for the Oil & Gas Industry

A Complete, Field-Proven and Cost-Effective Solution to Manage Methane Emissions, Simplify Decision Making, and Confirm Regulatory Compliance

WHO WE ARE

Part of Exosens, Telops is a renowned brand in hyperspectral and multispectral imaging systems and infrared cameras, located in Quebec City, Canada.

For more than three years now, Telops has been offering a Methane Airborne Detection Solution, helping operators detect leaks faster while reducing the need for unnecessary and expensive ground deployments.

INCREASE YOUR COVERAGE SAVE TIME AND MONEY

KEY ADVANTAGES

- Adapts autonomously to ever-changing flight conditions to ensure optimal data collection.
- Delivers automatic, real-time reporting and reduces the need for costly ground deployments.
- Multi-platform (fixed-wing, helicopters, drones), to minimize operational costs.
- Simplifies maintenance planning with clear, actionable reports pinpointing methane emission locations.
- Offers full flexibility with two survey modes tailored to your needs:
  - Pipeline tracking mode - The most efficient mode for the transmission sector.
  - Wide swath mapping mode – Ideal for high coverage and efficiency when you need to survey your production sector.

Benefit from outstanding detection performance in diverse conditions, whether in daylight or nighttime, and even over snow or water.

Our system can not only detect methane, but also other gases of interest, like hydrocarbons, NO_2, SO_2, as well as many other VOCs.

WORKFLOW

PREFLIGHT

- You provide geographic information of the infrastructure to be surveyed to our team.
- We discuss the flight plan, schedule, and objectives.
- Our team develops the optimal flight plan.
- We handle all aspects of flight and survey logistics.

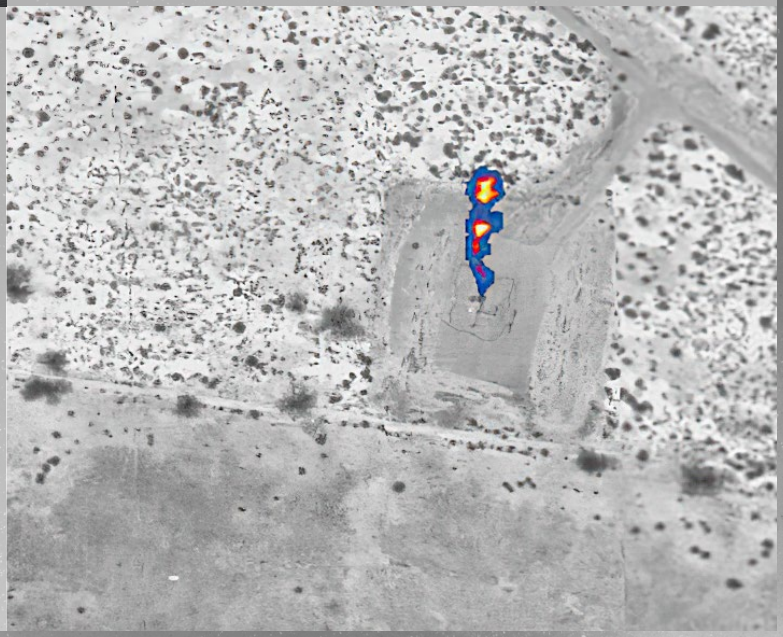
DURING FLIGHT

- Our team will execute the mission.
- Powerful real-time algorithm analyzes the IR data for the presence of methane.
- Significant emissions detected will be immediately reported.

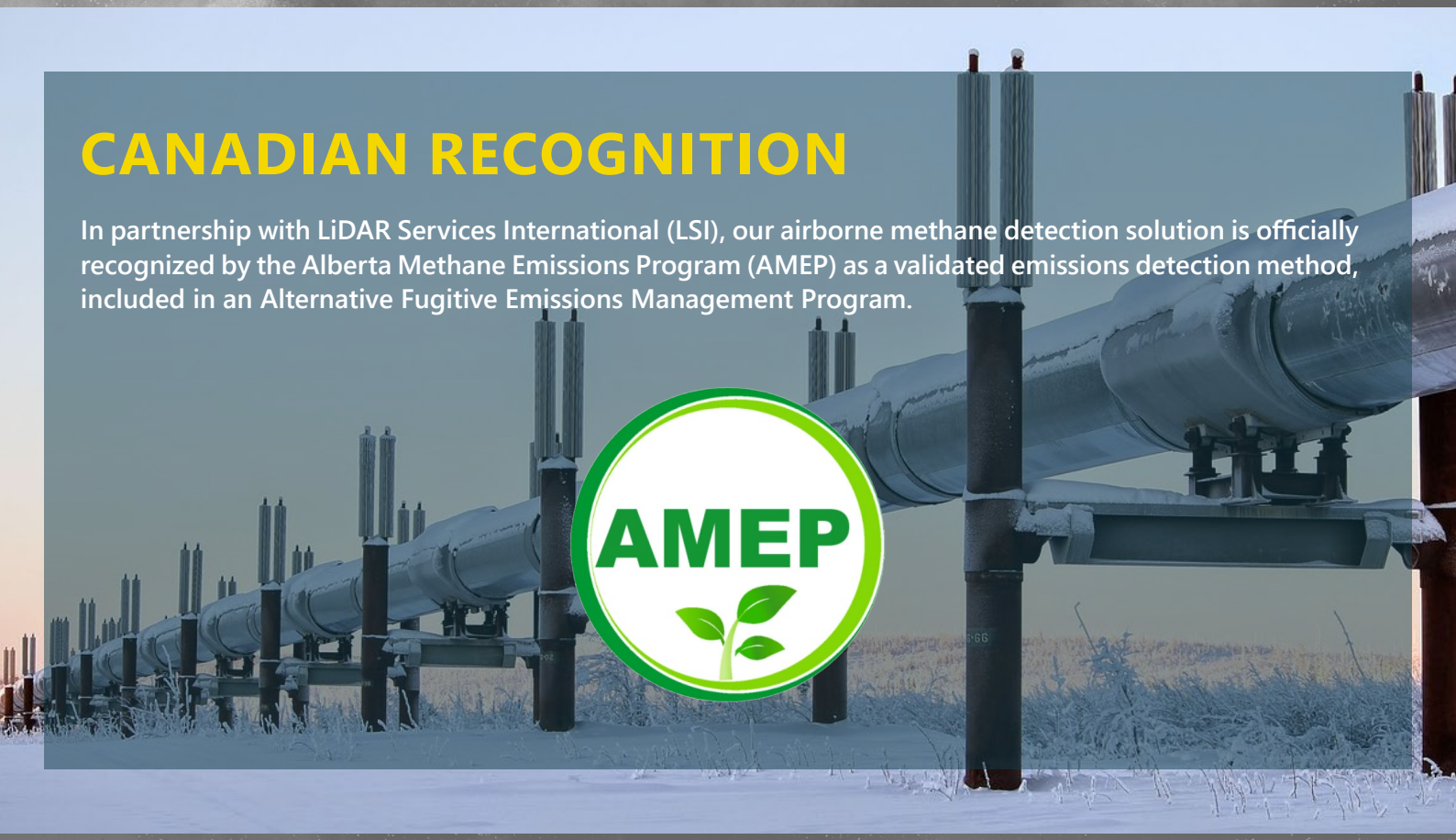
POSTFLIGHT

Collected infrared data is thoroughly processed and analyzed by Telops' gas detection specialists. Deliverables include:

- Detailed flight inspection report.
- Geo-referenced high-resolution visible and infrared imagery.
- Complete report listing all detections with GPS pinpoints and times of identification including plume imagery, size, location, methane emission flux rates and more.



BENEFIT FROM A SOLID PARTNERSHIP WITH EXPERIENCED GEOSPATIAL SURVEY COMPANIES



CANADIAN RECOGNITION

In partnership with LiDAR Services International (LSI), our airborne methane detection solution is officially recognized by the Alberta Methane Emissions Program (AMEP) as a validated emissions detection method, included in an Alternative Fugitive Emissions Management Program.

AMEP

OUR CERTIFIED PARTNERS

BARR GeoSpatial SOLUTIONS

SKYCAM AVIATION

LSI LiDAR Services International

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exosens.com

EXOSENS REVEAL THE INVISIBLE