

## DIGITAL INTEGRATION AND DATA ACQUISITION

- Secure unreachable areas with accuracy, reliability and safety.
- Know your terrain, slopes, angles, and boundaries to understand potentially unstable areas and react with precision.
- Ensure safety and security of assets and personnel.
- Create actionable feedback with predictive analytics and real time data.
- Precisely locate damages such as leaks and illegal activity such as the installation of illegal taps.
- Inspect support infrastructure such as water pipes and railways to ensure integrity.

### APPLICATIONS

- Identification and intent of human activity.
- Geographical and survey grade information for expansion, operations, and contingencies such as spills.
- Infrastructure and right-of-way digitalization to detect faults, deterioration, and encroachment.
- Real-time and immediate support for emergency and on - site operations.
- Specify and quantify changes over the entire operation.

**Implementing a tactical Unmanned Aerial Sensor service brings speed and agility to materialize and capitalize on key data. Optimize resources, and ensure safety of a high velocity operational tempo that demands accuracy, currency and flexibility like never before.**

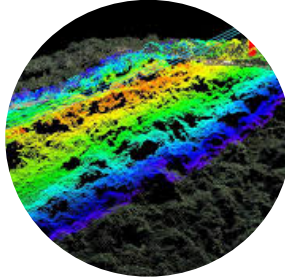


TECHNOLOGY

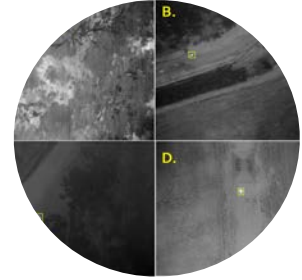
Oil and Gas



Produce survey grade information with LiDAR, Hyperspectral and Multispectral



3D point clouds produce a digital mirror locating exactly areas of concern over your network.



Identify changes and variances in hard to reach areas with Coherent Change Detection (CCD) technology.



Provide security and surveillance with real-time, day and night monitoring.



Inspect the condition of vital resources such as railways, power lines, and pipelines.



Optimize operations and cut expenses by assessing roadways and water flows.



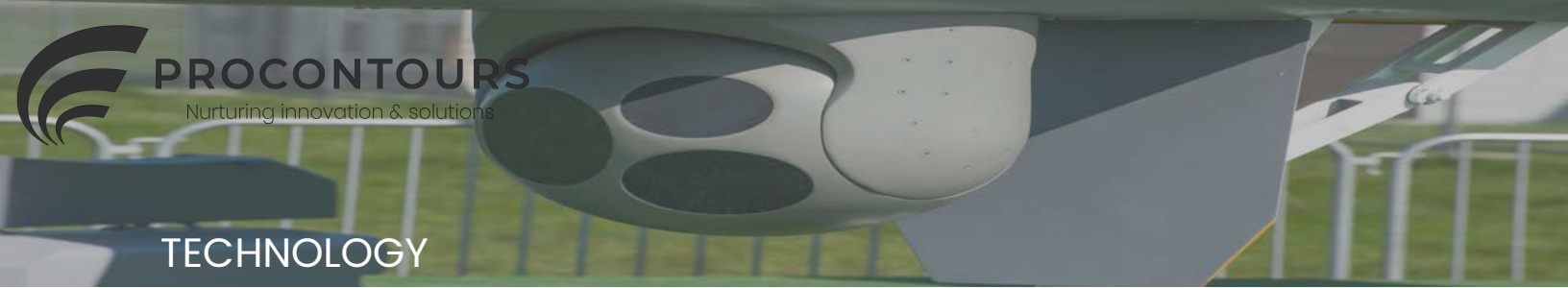
Acquire fast and actionable feedback, and predictive analytics to empower precise and time constrained decisions.



Intelligence, Surveillance, and Reconnaissance (ISR) allows you to locate unforeseen situations such as illegal tapping.



Support off-site crews by providing overhead real-time video feed and data.



**TECHNOLOGY**



**Beyond Visual Line of Sight (BVLOS) Capabilities.**

- Fly farther and faster with 12+ hours of endurance.
- Vertical Take Off and Landing – fly from anywhere.

**Scale your approach.**

- System integration to match your needs.
- By remaining neutral, we you save time and money.
- One size does not fit all.

**FAA Certified Pilots with worldwide experience.**

- Mission planners.
- GIS professionals.
- Sensor Operators.
- Pilots

**Systems we commonly use for our operations.**

Sensors	RGB (Visible)	Red Edge	Thermal / Infrared		
			NIR	MWIR	LWIR
BAND	450 - 740 nm	680 - 750 nm	.74 - 1 µm	3 - 5 µm	8 - 14 µm
AVT CM100 Gimbal	✓				✓
Trillium HD25-LV Gimbal	✓				✓
Sony RX1RII	✓		✓		
MicaSense RedEdge - MX Multispectral	✓	✓	✓		
MicaSense Altum-Multispectral + Thermal	✓	✓	✓		✓
Niatros SD MWIR, OEM, OGI	✓			✓	
Headwall Nanospec Hyperspectral	✓	✓	✓		
Flir Duo Pro R	✓	✓	✓		✓
Synthetic Aperture Radar (SAR)					