



THREAT DETECTION

AUTOMATING ROW VISUAL INSPECTION

REAL-TIME ALERTS
(HIGH-PRIORITY THREATS)



VEHICLES OR
INFRASTRUCTURE
THREATS



PIPELINE EXPOSURE



EXCAVATION SCARS



DRAINAGE COILS



SOIL EROSION,
SLIPPAGE AND
OTHER GEOHAZARDS

REAL-TIME ALERTS (HIGH-PRIORITY THREATS)



Vehicles or
infrastructure threats



Pipeline exposure



Excavation scars



Drainage coils



Soil erosion, slippage
and other geohazards



Advanced imaging technologies
and AI models are the future
for preventing damage
to your infrastructure.

Ready for takeoff with the Flying Pig™?
REQUEST A DEMO!



*"Excavation incidents (29%) were responsible
for the **most barrels released** in incidents
impacting people or the environment."*

API-AOPL, 2019 Pipeline Safety Excellence,
Performance Report & 2020-2022 Strategic Plan



MAJOR FEATURES

- Real-time detection and reporting of threats by text messaging and email
- Reporting of detections and data visualization via an online portal (simple and easy-to-use interface)
- Meets inspection requirements for hazardous liquids [49 CFR § 195.412(a)] and natural gas transmission (49 CFR § 192.705)
- Simultaneous shared ROW inspection
- High-resolution georeferenced images of ROW
- Compatible with most aerial survey planes (Cessna 172/182/206) and helicopters
- Service can be offered with your current aerial inspection providers

BENEFITS

- Attention of pilot is not divided between high risk, low altitude and surveying the ROW
- Automation improves detection consistency and does not rely on an individual's experience
- Unobtrusive installation of equipment on current aerial patrols reduces costs and eases implementation
- Instant availability of critical information to control center and field teams
- Online portal reporting provides traceability between inspections
- Photogrammetric record of the ROW allows for post-flight review and proof of compliance
- Shared ROWs can be surveyed once, allowing costs to be divided between stakeholders

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