

OPTELOS

Your Visual Asset Inspection Platform





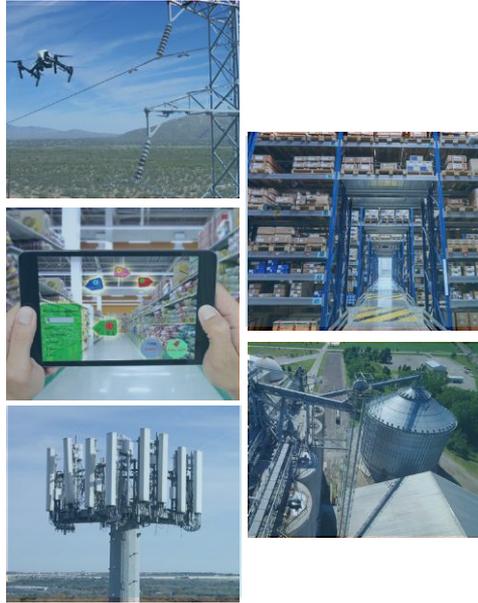
OPTELOS



The leading way major companies organize, inspect, analyze, and act on enterprise asset information at scale.

Driving better business outcomes and delivering new insights.

Optelos strengthens your Enterprise Asset Management strategy



Your Enterprise Asset Management strategy can drive better business outcomes through the power of visual data

Drone based and Non-Drone based visual asset data greatly enhances decision making.

Reality based digital twins provide a robust basis for future analysis

Integrating visual, fixed asset, engineering and real time data provides the most robust outcomes

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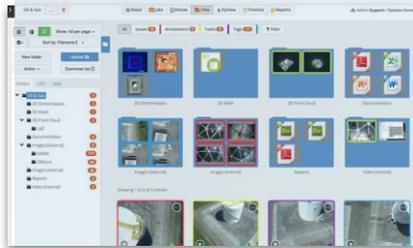
Optelos is a unified SaaS platform, combining data management, visualization, workflow and integrated AI computer vision for Enterprise Asset Inspection & Management, creating new insights and delivering better business outcomes.



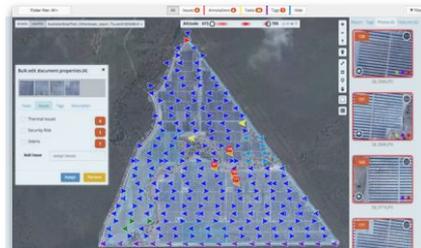
Optelos' single pane of glass provides the foundation for any asset inspection program through the following functions



Data Management &
Collaboration



Visual modeling
creation & control



Inspection & Analysis
Automation



Business Outcomes
& Insights



Key Capabilities

- Ingest and centrally manage data from *any* source
 - Visualize, analyze, & share information through a single platform
 - Create visual models & digital inspection twins
 - Drive rapid business outcomes through AI computer vision
 - Integrate with internal business intelligence systems
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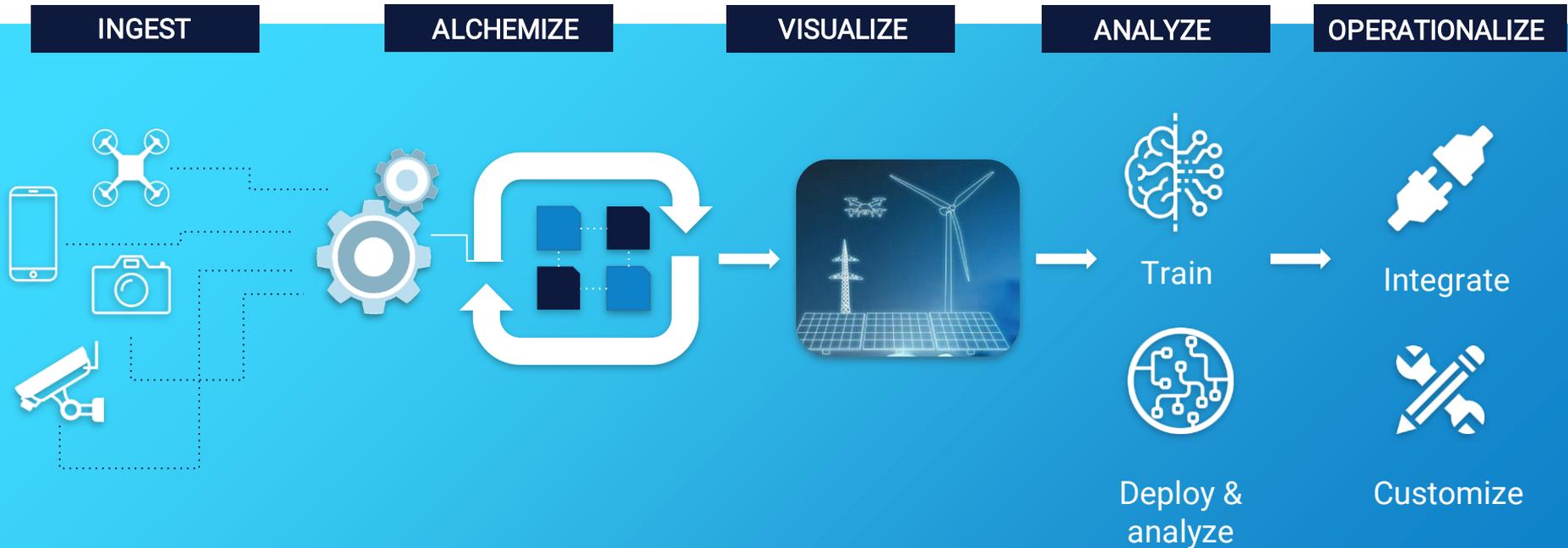


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Start your digital transformation journey.

Platform Architecture

Optelos Enterprise Asset Advisor Platform has all the critical features needed to operationalize any visual asset inspection program & enable your digital transformation journey.



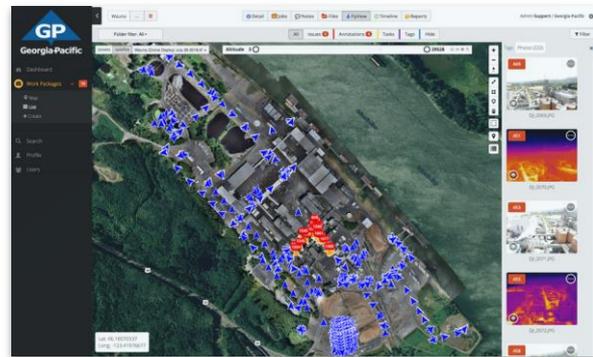
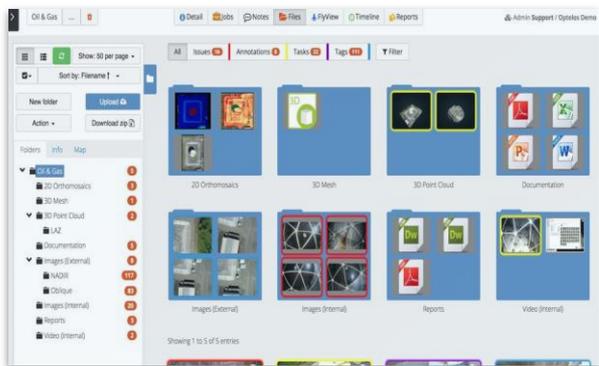


Capture, digitalize, & manage data from any source; act on data to drive faster insights

Classify data into structured taxonomy to quickly identify and address root causes

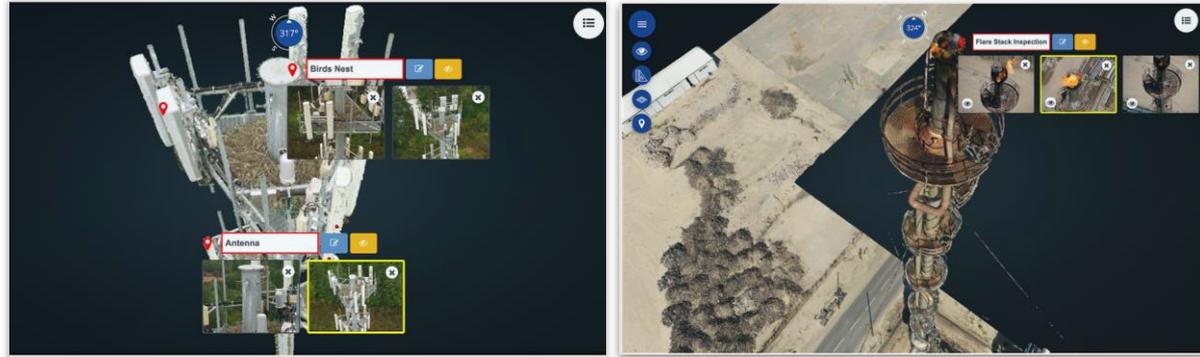
Secure Storage, Search, and Collaboration

Centrally manage all your inspection data in one place



Visualize

All data types, reality models & create digital inspection twins



Easily view all types of data through the platform with a robust set of visualization tools, measurement & analysis capability

Digital Twin Creation builds a basis for ongoing analysis & data correlation

Automatically create reality models to uncover new insights; Build 2D, 3D models

Analyze

AI Computer Vision
delivers immediate
business insights

Full complement of manual analysis & measurement tools to assess collected data

Automated AI Computer Vision to quickly identify & remediate issues

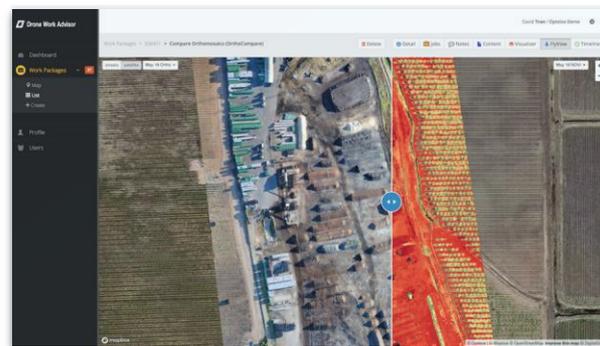
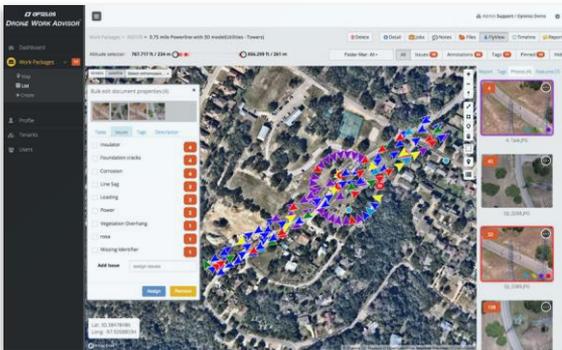
Business specific rules & integrated into a complete visual workflow





Operationalize

Integrate with internal business systems for better business outcomes



Create custom workflows to manage end to end inspection and maintenance processes

Open & modular platform allows deployment without requiring IT resources, ensuring integration to OSS & 3rd party systems

Ready to deploy on the cloud, hybrid, or on-premise

Key Customer & Partners



Case Study - Industrial

Complete digital transformation workflow for worksite inspection

CHALLENGE

Worksite inspection, inventory, and compliance processes were disjointed and required months to collect.

GOAL

Implement digital transformation program to capture (drone, mobile) images, digitalize that data, and provide data visualization & dashboards to improve operational efficiency.

OUTCOME

- Customize integration with existing cloud storage
- Implement workflow for digitalization of inspection data



67% improvement in worksite efficiencies using drone inspections

Case Study – Oil and Gas

Operationalized asset inspection and maintenance process

CHALLENGE

Inspection for maintenance of pipeline and distribution plant required weeks to collect, analyze, and fix.

GOAL

Reduce manual labor (which is error prone) required to identify plant maintenance and defects by integrating drone based AI digital asset inspection.

OUTCOME

- Partner with Drone provider (Avisight) to collect data
- Train and deploy maintenance AI (insulator, cap, etc..)
- Implement Data API and Live stream workflow



72% Reduction in time to perform maintenance and mediation

Case Study - Manufacturing

Automate the inspection of truck cab components through AI computer vision

CHALLENGE

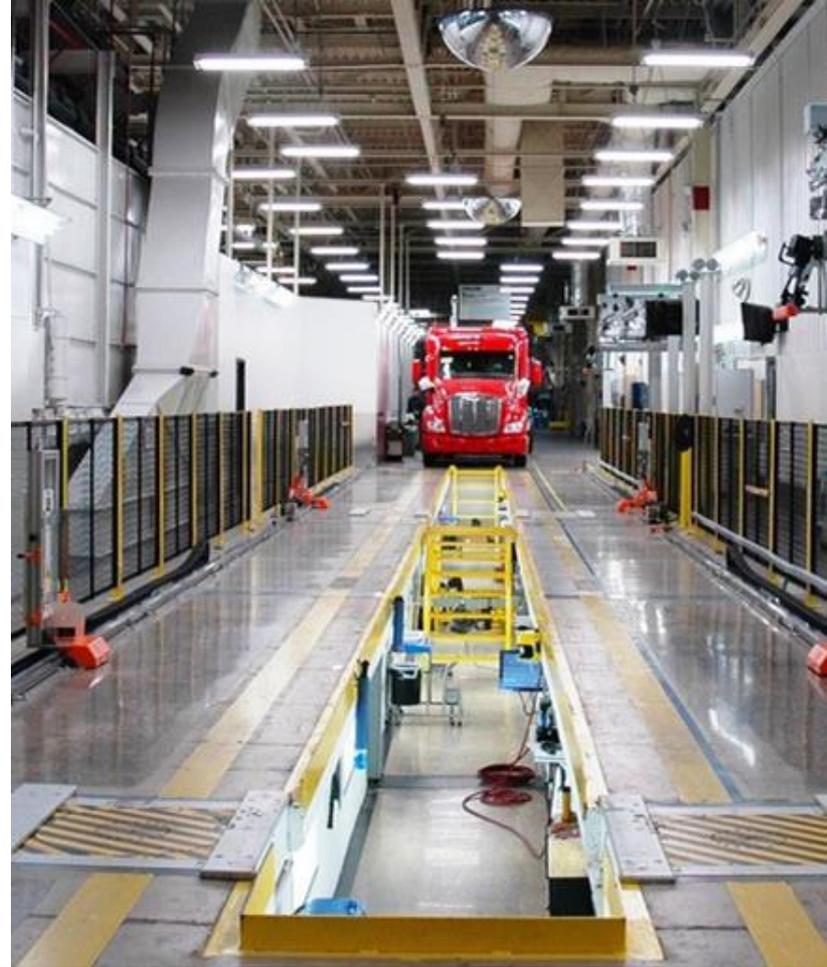
Millions annually spent on rework due to quality issues with improper placement of components

GOAL

Eliminate downstream quality issues from impacting customers by utilizing AI to inspect components, compare against order and build records, and alerts to operator of issues to fix.

OUTCOME

- Train AI Cab classifiers to identify various conditions
- Integrate with Peterbilt inventory database for build data
- Apply build business rules into AI decision workflow



Saves millions by identifying quality issues at the source using Optelos AI inspection

Case Study – Industrial

Operationalize Inventory Stockpile Management

CHALLENGE

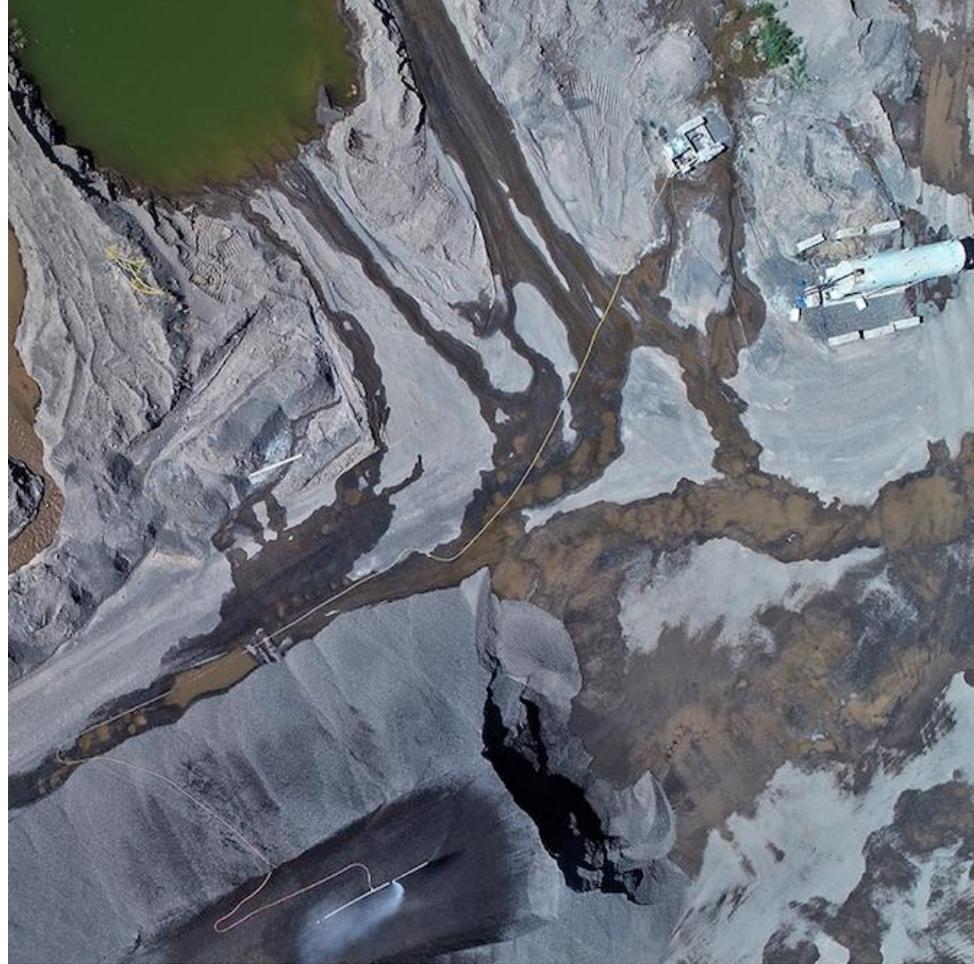
No accurate measurements of material stockpiles leading to inaccurate accounting and inventory management

GOAL

Eliminate manual inventory process and achieve significantly higher accuracy through an automated process

OUTCOME

Transformed drone data into detail orthomosaic maps and 3D augmented reality data providing highly accurate area and volumetric measurements. To better manage inventory and reduce labor costs



82%

Higher accuracy compared to manual survey methods

Case Study – Communications

Streamline Tower and Ground Based Inspection Audits

CHALLENGE

Reduce cost and time associated with traditional Tower and Ground based Inspection Audits

GOAL

Implement new UAS Inspections and create single repository for all inspection data

OUTCOME

Developed new process incorporating UAS and traditional Inspections for both tower and ground-based audit.

Significant reduction in cost and time to perform audits



Significant reduction in Inspection time,
maintenance and mediation

Market Segments where Optelos enables Digital Transformation

Large Asset Base to inspect, cumbersome legacy systems, human reliance

Oil & Gas



Energy



Telecom



Manufacturing



Agriculture



Insurance



Construction



Security





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How can we help you make your digital transformation journey ?

Start with a pilot program or get started with Optelos with as few as one user.

www.optelos.com