Your Visual Asset Inspection Platform
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
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

Start your digital transformation journey.
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
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
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

AI Computer Vision delivers immediate business insights
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
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
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
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