

# Maximo Visual Inspection : AI-Based Visual Inspection



## 1. What is a Maximo Visual Inspection?

Maximo Visual Inspection makes computer vision with deep learning accessible to business users by providing an intuitive toolset that empowers subject matter experts to label, train, and deploy deep learning vision models, without coding or data science expertise.

The solution includes the most popular deep learning frameworks, and it is built for easy and rapid deployment.



## 2. Why Now?

Maximo Visual Inspection enables the enterprise to harness AI in their journey to address critical improvements, including asset and quality inspection consistency, cost reduction and unleashing automation at scale.

Maximo Visual Inspection provides the flexibility to harness devices deployed at the edge or direct capture, such as video recorded by drones. By leveraging the visual inspection results through an integration with the Maximo Application Suite, critical data can be combined with other asset data to deliver a wholistic view of the asset.

You need AI-based **Visual Inspection** to automate the inspection process with confidence

## 3. Common Pain Points



Labor cost by inconsistent results



Time consuming process of manual inspection



Scrap and Rework Costs for defects



Vendor responsiveness for quality assurance

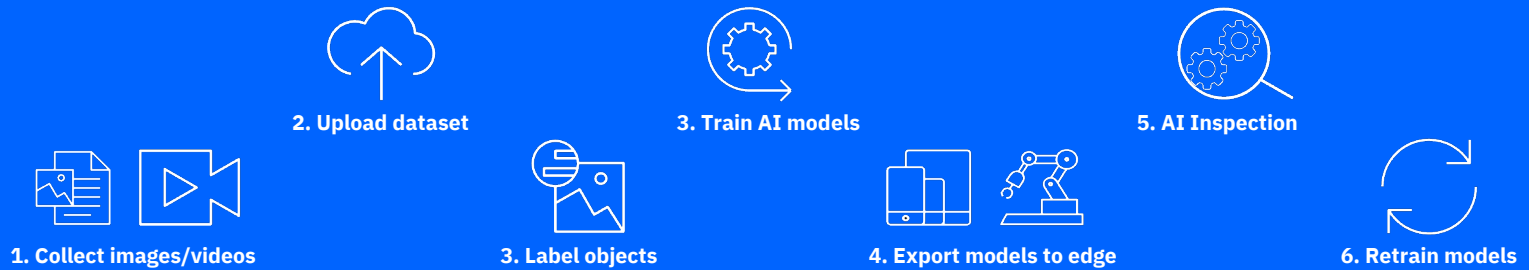


Frequent changes & very demanding plans



Massive data being collected but not used

## 4. How It Works



## 5. The Value Proposition for Maximo Visual Inspection

- **Automated** inspections increasing productivity
- **Flexibility** to train and deploy anywhere
- **Adaptability** for supporting custom models
- Visual Monitoring automated **detection of anomalies**
- **Enterprise scale** visual monitoring
- **Failure Detection & Error Proofing** for manufacturing quality inspection
- **AI monitoring** for safety of workers

**82%** of assets have a **random failures**

**Monitoring and analyzing** asset health data—both historical and real time—can help you **reduce maintenance** cost by up to **25%**.

**Reduced errors** at the point of creation drives ROI measured in weeks / months.

## 6. Qualification Criteria

- Primary use case is focused on asset inspection and equipment reliability
- Assets require frequent inspections, are in hard-to-access or dangerous locations, and where up-time, safety, and performance are critical to business operations, resiliency, and cost management.

## 7. Industries

- Manufacturing
- E&U
- Oil and Gas
- Transportation
- Civil Infrastructure
- Buildings

## 8. Strategies for Selling Maximo Visual Inspection

- 1** Inspection is required at various phases of production. Solution designed to scale operationally.
  - 2** Maximo customers looking to add AI-based Visual Inspection into their existing infrastructure.
  - 3** OT partners looking to introduce AI and enterprise-level inspection into their customers.
- Future** The conversion of OT and IT through the combined solution set of **Inspection**, Monitor, Health and Predict

## 9. Who Benefits & How?

### Board Members

- Driving company to have digital strategy for assets

### CEO

- Wanting to digitally enable their companies

### Asset Operational Owners

- Maximize operational efficiencies / reduce costs
- Automate inspection process

### Chief Digital Officer

- Adopt AI-based digital strategies
- Drive operational efficiencies in the business

### Plant Manager

- Improves quality, reduces manufacturing costs

### OT Engineering Firm

- Drive improvements using AI-based intelligence

### Process & Quality Control Engineers

- Provide feedback on AI anomalies driving more automation
- Anomalies within set points

### Asset Manufacturers

- Realtime information on how their assets are being used in the field

### Technicians

- Increased access to operational data
- Inspections triggered when needed

## 10. Contact information



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Companies that use AI-driven insights will capture **\$1.2 trillion** from their competitors every year.