







# Ignitarium TYQ-i

Empowering Smarter  
Inspection with  
Vision Intelligence

Built to address market demands for workforce optimization, auditable analytics, throughput improvement, and repeatable inspections, Ignitarium’s TYQ-i solution is a deep learning-based deflection detection platform optimized for infrastructure analytics. The solution is designed to improve the efficiency of inspection and quality assurance processes and provide flexibility across a range of use cases and industries. Combining classical computer vision with advanced custom neural nets, the TYQ-i platform can detect anomalies across infrastructure assets such as transmission or telecom towers as easily as it can detect manufacturing defects in products on high-speed industrial conveyer belts.

Key Features				
	Custom Neural Networks built on Minimal Datasets	Compatible With a Host of Visual Sensors	Multi-tenant SaaS Model Infrastructure	Deployable At Edge, On-prem, or Cloud

**Verticals:**

- Energy
- Manufacturing
- Transportation

**Use Cases:**

- Product Inspection
- Machine Condition Monitoring

**Country/Geo:**

Worldwide

**Learn more:**

- [The Ignitarium Website](#)
- [The TYQ-i Solution Webpage](#)



*Ignitarium’s TYQ-i solution has enabled significant reduction in manual eyeballing of power transmission tower image footage captured by drones. The elimination of subjectivity during human analysis has enabled creation of a reliable audit trail which is very critical in our industry.*

VP of Operation,  
Global Tower Installation Company

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