

Safeguard Your Energy Infrastructure with Our Corrosion Detection Solution



Enhance energy infrastructure reliability with our Al-powered Corrosion Detection Solution. Leveraging Azure ML, Azure Kubernetes Service, Azure Cosmos DB, Azure Blob Storage, and Azure Container Registry, it delivers real-time analytics and continuous monitoring. Using Azure Custom Vision, SAM (Segment Anything Model), and OpenAl CLIP, it provides pixel-level, contextual corrosion detection. Few-shot learning ensures rapid adaptation to new damage types. Automate inspections, reduce human error, lower maintenance costs, and ensure compliance with proactive alerts and actionable insights—transforming reactive maintenance into intelligent asset management.

Gartner projects **global IT spending** in the power and utilities sector to reach \$249.1 billion in 2025, a 10% increase from \$231.2 billion in 2024. This growth is expected to continue with a 10.3% CAGR, reaching \$385.6 billion by 2029.





Real-Time Alerts & Notifications

Remote Monitoring

Predictive Analytics

Unparalleled Precision

Intuitive User Interface

Seamless Integration

Comprehensive Reporting









Core Benefits

Early Damage Detection Optimized Maintenance Strategies Increased Infrastructure Lifespan Improved
Operational
Reliability

Enhanced safety

Impacts



Extended Asset Lifespan

60%

Reduced Maintenance Costs

2X

Enhanced Operational Efficiency 50%

Minimized Downtime 40%

Improved Decision-Making