

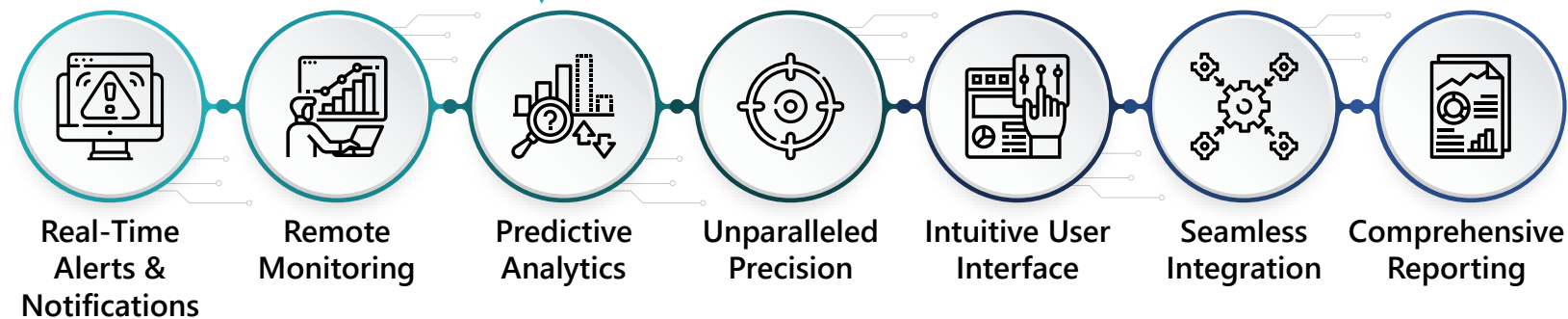
Safeguard Your Energy Infrastructure with Our Corrosion Detection Solution



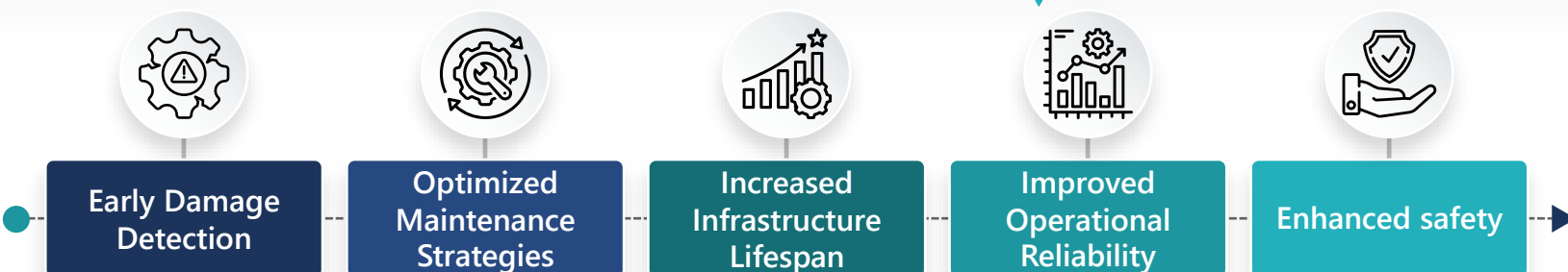
Enhance energy infrastructure reliability with our AI-powered Corrosion Detection Solution. Leveraging **Azure ML**, **Azure Kubernetes Service**, **Azure Cosmos DB**, **Azure Blob Storage**, and **Azure Container Registry**, it delivers **real-time analytics** and **continuous monitoring**. Using **Azure Custom Vision**, **SAM (Segment Anything Model)**, and **OpenAI 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**.

Key Features



Core Benefits



Impacts

