

Copilot Enabled Vision AI for Asset Monitoring

Empower the shop floor with a 360° view through persona-specific LLMs for accessing SOPs, control plans, and machine manuals, coupled with Copilot-enabled industrial analytics to enhance visibility, productivity, and quality control for every role, from operators to executives, revolutionizing knowledge access and decision-making across your organization.



Business Opportunity

- Inefficient manual inspections
- Lack of real-time visibility
- Inconsistent product quality
- Inconsistent issue handling



Value



AI-driven real-time monitoring ensures quick issue identification and resolution.



Automated issue escalation ensures faster response and resolution, improving efficiency.



Automated workflows ensure regulatory and quality compliance.



Solution Package

Continuously monitor the shop floor using AI to identify and report issues instantly for faster resolution

Real-Time Issue Detection

Ensure critical issues are promptly escalated to the right teams, minimizing downtime and improving operational efficiency

Automated Issue Escalation

AI-Powered Assistance

Provide supervisors and operators with intelligent support, answering queries and guiding them in resolving shop floor issues

Seamless Workflow Integration

Integrate with SAP and QMS systems to automate issue resolution workflows while ensuring compliance with quality standards



Beneficial Persona

Return on Investment



~10 to 15 % Improvement in Quality Compliance

~10 % Reduction in Escalation Time

~5 to 10 % Increase in Production Efficiency



Production
Supervisor



Quality
Engineer



~ 10-12 Weeks

Timeline



Technology Used



TensorFlow



Azure ML
Studio



Azure
OpenAI



Solution Snapshots

Conversations

+ Create new

Today

Gearbox Inspection Setup I...

Gearbox Inspection System I...

Gearbox Inspection Machine...

Gearbox Inspection System I...

Conversation with bot

Plant Inspection Assistant In...

Gearbox Inspection System I...

Gearbox Inspection System I...

Previous 7 Days

Jhon Doe (Reliability Engineers)

Amit Singhavi (Plant Manager)

03:26 PM

Arpita Dubey (Production Supervisors)

03:26 PM

Notify successfully to user on MS teams: Arpita Dubey (Production Supervisors)

Would you like to take any actions?

Estimate the cost of impact

Share Report

Estimate the cost of impact

03:27 PM

Conversations

+ Create new

Today

Gearbox Inspection Setup I...

Gearbox Inspection System I...

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Gearbox Inspection System I...

Conversation with bot

Plant Inspection Assistant In...

Gearbox Inspection System I...

Gearbox Inspection System I...

Previous 7 Days

Start the Machine Inspection

03:26 PM

M34512

03:26 PM

Please provide the machine id where you which need to be analysed.

Provide the machine image for evaluation.

Type here...