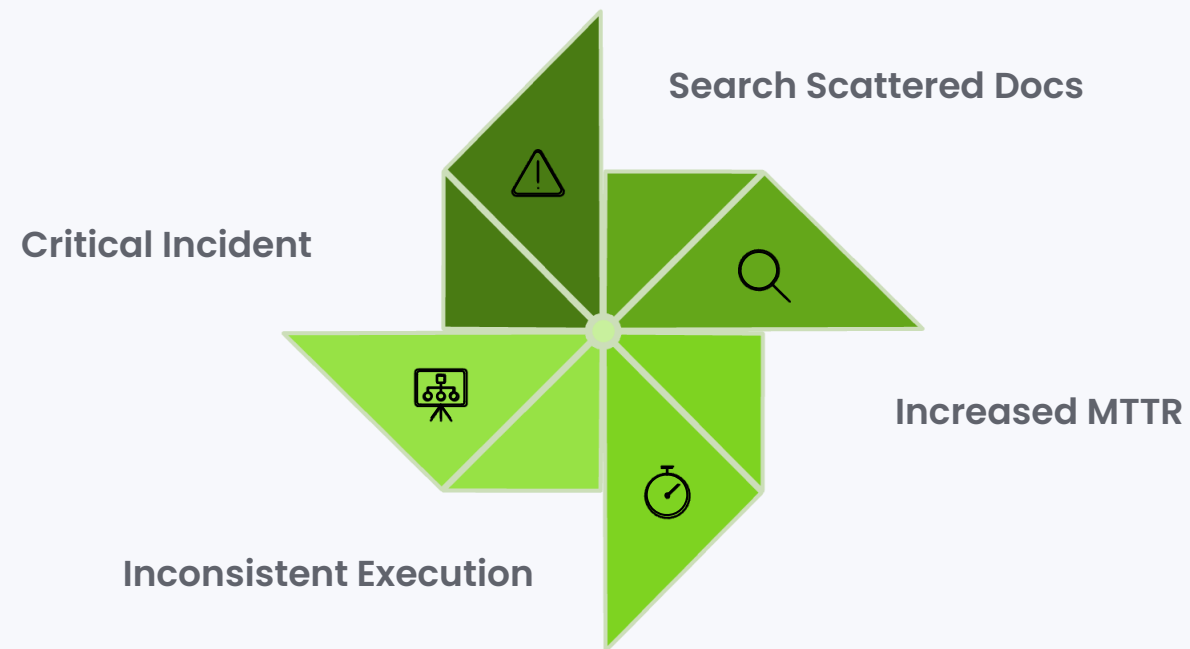


 INDUSTRIAL INNOVATION

AI Assistant for RealWear Smart Glasses

Empowering industrial field service and maintenance teams with hands-free, voice-activated access to critical knowledge—directly in their line of sight. This generative AI solution delivers instant troubleshooting guidance, step-by-step procedures, and site-specific documentation exactly where the work happens, eliminating delays and reducing downtime through intelligent, conversational support.

The Knowledge Bottleneck Problem



Industrial operations face costly inefficiencies when critical knowledge remains locked in manuals, PDFs, and expert memory—inaccessible during time-sensitive repairs.

Scattered Knowledge

Critical procedures buried across systems, documents, and institutional memory

Time Lost Searching

Technicians waste precious minutes during incidents hunting for answers

Inconsistent Quality

Compliance and safety require standardized execution, not improvisation under pressure

Expert Dependence

Heavy reliance on shrinking pool of senior engineers creates operational vulnerability

Your Field Engineer Copilot

The assistant transforms smart glasses into an intelligent conversational partner optimized for hands-free industrial work. Technicians ask natural-language questions and receive concise, actionable guidance tailored to their exact task context.



Voice-First Interaction

Ask questions naturally while keeping hands on equipment. "How do I calibrate pump pressure?" or "What causes alarm code E-47?" The system understands industrial language and context.



Step-by-Step Execution

Receive structured, do-next guidance including safety warnings, required tools, verification checks, and critical parameters—formatted for action, not reading.



Workflow Documentation

Confirm completion of steps, log critical checks, and automatically capture what was done for traceability, compliance reporting, and knowledge sharing.

Grounded in Your Knowledge, Integrated with Your Systems

Trustworthy by Design

Responses anchored in your approved documentation—SOPs, manuals, engineering notes, service bulletins—not generic internet knowledge. Retrieval-based grounding ensures alignment with how your organization actually works.

Enterprise Integration

- CMMS and ticketing systems for incident-specific guidance
- Asset registries for equipment-specific procedures
- Knowledge bases and internal portals
- Guidance tied to exact asset type, location, or incident category

Flexible Deployment

Architectures that respect security constraints, keep sensitive data on-premises, and support unstable connectivity—the reality on industrial sites.

R&I Project: Measurable Hands-Free Knowledge System

A collaborative research initiative focused on demonstrable reliability and effectiveness under real industrial conditions, with clear performance metrics and validated outcomes.

Business Impact Metrics

- Reduce mean time to resolution
- Decrease escalations to senior experts
- Improve procedure compliance rates
- Minimize repeat incidents from execution errors

Technical Innovation Streams

- Robust voice interaction in noisy environments
- Multilingual support for diverse workforces
- Context-aware retrieval across mixed formats
- Quality evaluation and safe refusal behavior

Multimodal Field Support

Enabling camera input for high-value scenarios while maintaining privacy and safety:

- Equipment label identification
- Configuration state confirmation
- Component location guidance
- Visual verification of correct assembly

📄 **The goal is a validated industrial assistant ready for scale deployment, not just a prototype.**

Partnership Opportunities



Industrial Partners

Manufacturing plants, utilities, telecom infrastructure, logistics, and asset-heavy operations seeking to reduce downtime through hands-free knowledge access in real field environments.



System Integrators

OT/IT partners connecting the assistant with CMMS, ticketing systems, asset databases, and enterprise knowledge bases to create seamless operational workflows.



Research Partners

Applied NLP experts, HCI/UX researchers specializing in voice interfaces, and industrial usability testing teams building repeatable evaluation protocols.



Technology Partners

Rugged device manufacturers, secure networking specialists, and edge/on-premises deployment experts ensuring reliable operation in challenging industrial environments.

Liki Mobile Solutions brings applied AI engineering, production-grade software development, and practical experience designing assistants that support operational decision-making—with a focus on solutions that work in real workflows, not demos.