



Offline AI Agent for Waste Reduction and Quality Control

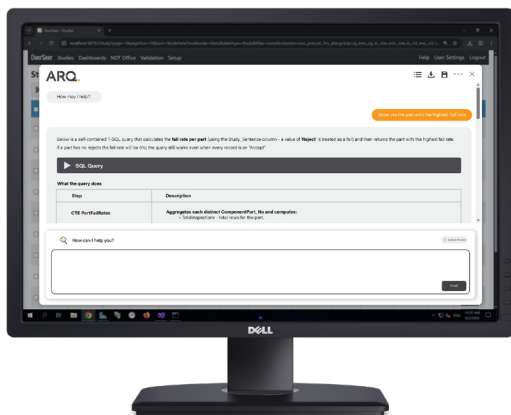
ARQ is designed to transform how organisations explore, understand, and act on their inspection and manufacturing data.

OverSeer-driven performance

Overview of Key Features

ARQ is JetSoft's offline AI agent designed to transform how organisations explore, understand, and act on inspection and manufacturing data.

Fully embedded within the OverSeer platform, ARQ enables conversational, intelligent interaction with complex datasets, supporting faster decision-making, improved right-first-time performance, and measurable reductions in waste and rework.



ARQ enables operators, engineers, and analysts to explore the full breadth of data stored within OverSeer. By combining inspection, manufacturing, and component data in a single environment, ARQ delivers powerful analytical capabilities that help identify the **root causes of defects**, process variation, and **material waste**. This integrated approach provides deeper operational insight, supporting data-driven decisions that improve quality, efficiency, and yield.

Through natural language interaction, users can:

-  Identify trends, anomalies, and emerging issues
-  Generate and refine hypotheses
-  Query datasets without writing code
-  Compare inspection methods or material behaviours
-  Examine defect patterns and potential root causes
-  Build iterative analyses that evolve with each question

This conversational approach dramatically reduces the time traditionally spent preparing spreadsheets, cleaning data, or navigating complex interfaces. Instead, users can begin exploring immediately, accelerating both understanding and action.

Key Features

COMPREHENSIVE DATA COVERAGE

- Multi-source data exploration within OverSeer
- Process parameters & historical quality records
- Ultrasonic & radiographic inspection results CT point clouds & dimensional measurements

GUIDED INSIGHT & BEST-PRACTICE SUPPORT

- Recommends relevant datasets and analytical pathways
- Highlights relationships between variables
- Provides step-by-step guidance aligned with internal conduct manuals
- Supports consistent, validated analytical procedures

REAL-TIME QUALITY & PROCESS SUPPORT

- Responds to quality events and process deviations
- Explains what changed, why it matters, and potential corrective actions
- Strengthens continuous improvement programmes

OPERATIONAL BENEFITS

QUALITY & PERFORMANCE

- Improved right-first-time outcomes
- Clearer understanding of defect causes
- Enhanced yield through intelligent decision support

EFFICIENCY & COST REDUCTION

- Reduced waste and rework
- Lower variable manufacturing costs
- Faster insight generation and simplified workflows

DIGITAL TRANSFORMATION

- Accelerates adoption of NDE4.0 principles
- Enables deeper engagement with existing data assets
- Supports resilient, iterative continuous improvement

SECURITY & DEPLOYMENT

OFFLINE AI CAPABILITY

- Operates fully within secure industrial environments
- No external data transfer or cloud dependency
- Suitable for aerospace, defence, energy, and advanced manufacturing

INTEGRATED ARCHITECTURE

- Embedded directly into JetSoft's OverSeer platform
- Scalable across multi-site inspection and manufacturing operations
- Designed for high-integrity, high-governance industries



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OverSeer understands an ever-growing list of formats.

For a full list of currently supported file formats.
Contact Us.