



Quality Control from Your Desk, Not the Factory Floor

Modern analytics for MEKI X-ray inspection systems

The Challenge

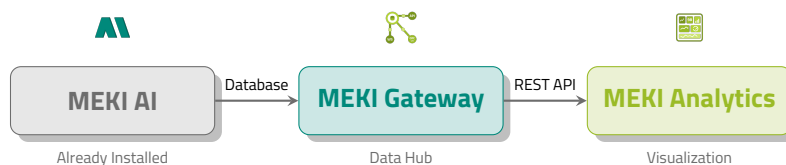
Quality managers spend hours each week walking between X-ray systems to:

- Check inspection data on individual machines
- Manually collect statistics for reports
- React to quality issues after they've escalated
- Compare performance across multiple production lines

Result: Delayed decisions, inefficient workflows, and missed opportunities to prevent quality issues.

The MEKI Analytics Solution

Transform your existing MEKI AI X-ray systems into a connected quality intelligence network. Monitor all production lines in real-time from your desk. No factory floor visits required.



Key Features



Real-Time Monitoring

Live quality dashboards



Interactive Exploration

Drill down to packages



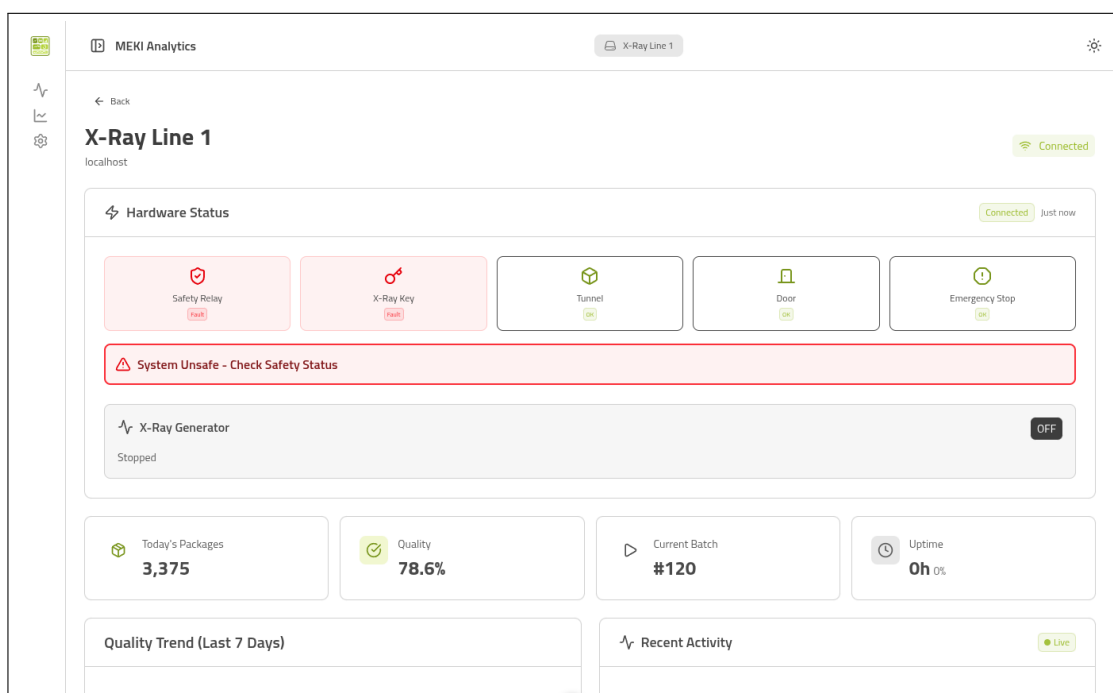
Multi-System

Manage all lines



Automated Insights

Pattern detection alerts



System dashboard showing real-time KPIs, hardware status, quality trends, and recent activity

For Quality Analysts

Frontline Monitoring

Real-time production floor insights:

- Instant issue detection with visual alerts
- Pattern recognition (systematic vs random)
- Real-time feedback during current batch
- Mobile/tablet access for floor monitoring
- Click chart → drill to package details
- Interactive filtering by time and defect type

Answering: "Is quality dropping?"

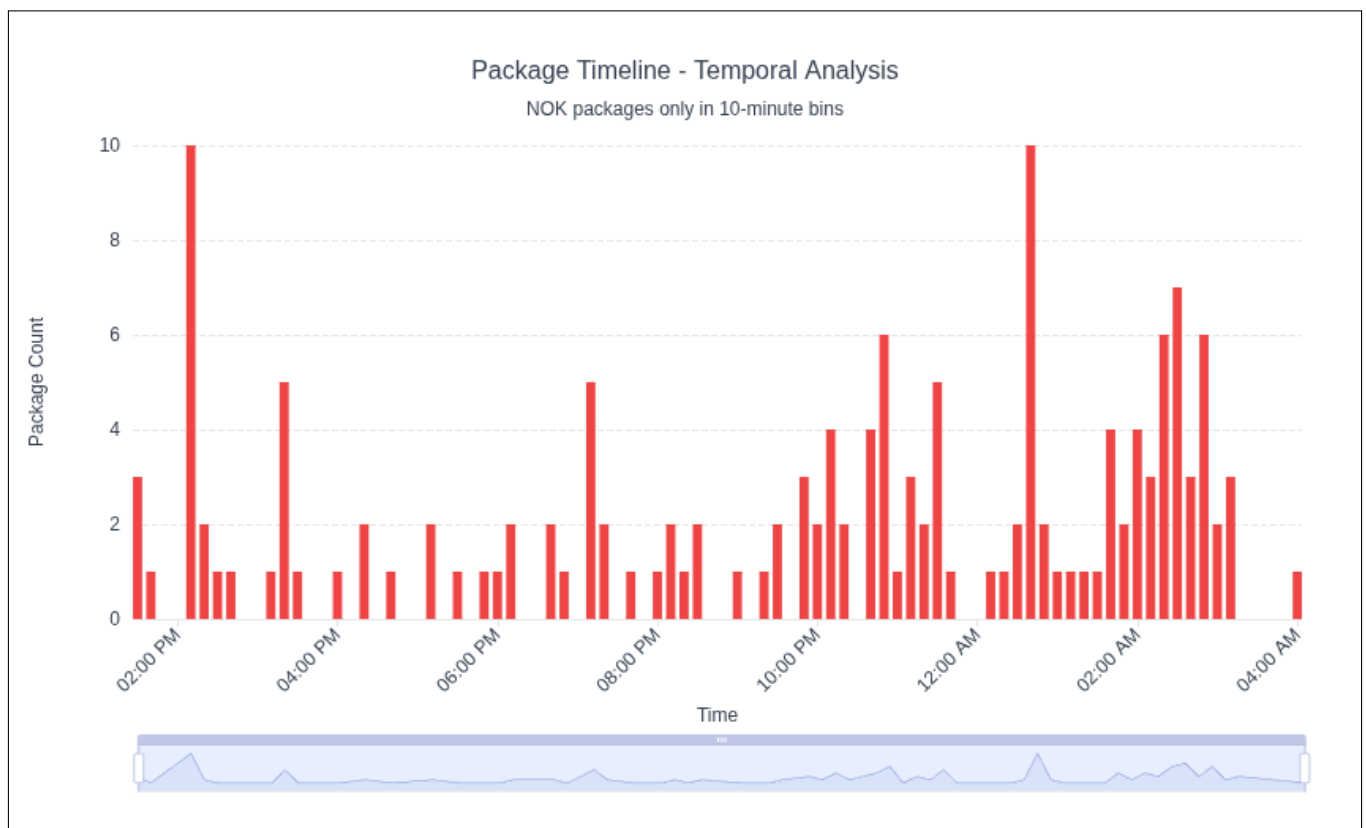
For Quality Managers

Strategic Oversight

Data-driven continuous improvement:

- Multi-day/week trends across recipes
- Statistical tools (SPC, Pareto analysis)
- Root cause analysis capabilities
- Compliance documentation ready
- Shift performance comparison
- Export reports (PNG, CSV, PDF)

Answering: "Are we meeting targets?"



Interactive batch analysis

Embedded Mode

Single System

- Web browser access
- One production line
- Mobile-friendly

Standalone Desktop

Multi-System

- Desktop application
- Multiple X-ray systems
- Aggregated analytics
- Centralized oversight

Integration Ready

REST API

HTTP/JSON endpoints

WebSocket

Real-time events

OPC UA

MES/SCADA integration

Simple Network Requirements

Just connect X-ray systems to your factory LAN. No internet required unless you want remote VPN access.

Your Data, Your Control:

- On-premises, no cloud
- Optional VPN access
- GDPR compliant

Connectivity Options

✓ **Wired Ethernet** (Recommended)

Cheapest, most reliable

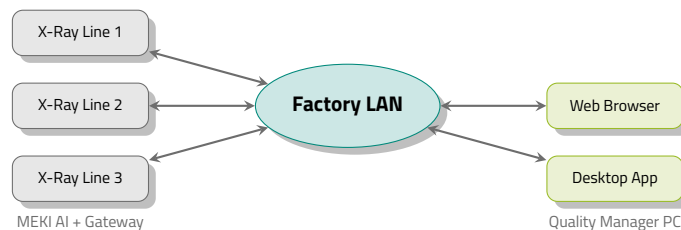
✓ **WiFi Bridge** (Add-on)

Ethernet-to-WiFi adapter

✓ **Cellular 4G/5G** (IoT Router)

For sites without LAN

MEKI Analytics — Network Topology & Integration



Network topology

Integration Ready

MEKI Gateway provides multiple interfaces:

🔌 **REST API** — HTTP/JSON for all data

🔄 **WebSocket** — Real-time events

🏭 **OPC UA** — MES/SCADA standard

Example Integrations:

- SAP quality modules
- Custom MES/ERP
- Factory automation
- BI tools

Evolution of MEKI DataManger

Next generation of our data platform:

- Interactive dashboards
- Built-in insights
- Multi-system ready
- Modern architecture

Ready to Modernize Your Quality Control?

MEKI Analytics works with your existing MEKI AI systems. Simple installation, powerful insights, your data stays local.

Contact Mekitec Today

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✉ info@mekitec.com



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MEKI Analytics is part of the MEKI industrial X-ray inspection system suite.

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