

Real-Time Food Safety: The SKOA System

Digital Compliance Architecture

The Problem: Modern Food Safety Challenges

- **Rising of alerts:** Notifications within the Rapid Alert System for Food and Feed (RASFF) rose by 12% in 2024
- **Pathogen persistence:** Insufficient processing floor management allows resilient pathogens like *Listeria monocytogenes* to establish persistent niches, leading to recurring post-processing contamination of finished products
- **Information silos:** Fragmented data maintained across disconnected spreadsheets isolates critical intelligence, preventing real-time risk assessments
- **Reactive management costs:** Unsafe food creates an annual burden of \$110 billion for low- and middle-income countries, alongside severe damage to brand reputation



QASSURANCE: GLOBAL REACH IN FOOD SAFETY ASSURANCE

- **Knowledge-based** compliance solutions for food safety since 2006
- United IT experts and **food safety** specialists to monitor food companies worldwide
- The **iMIS Food** platform as a comprehensive global system
- Providing the necessary **infrastructure** and real-time updates for maintaining compliance with EU legislation

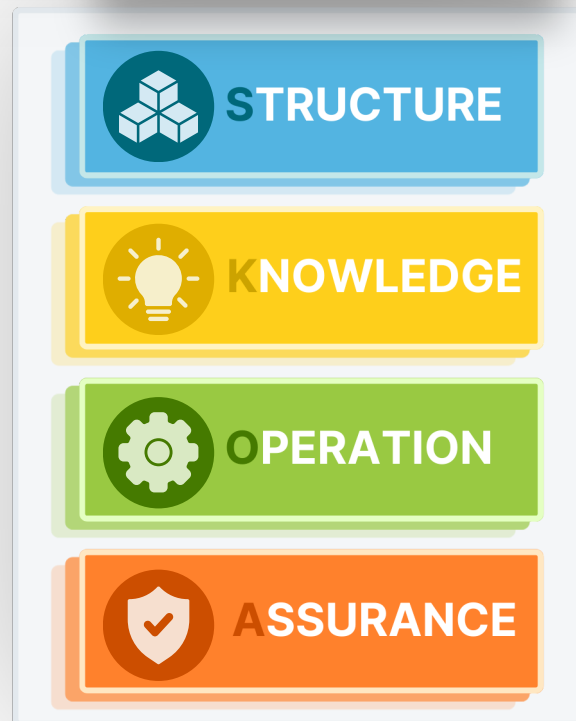


The Solution: SKOA System — a Framework for Digital Improvement

Traditional Food Company

- **Isolated** quality assurance department
- Siloed, paper-based document control
- **Fragmented** and static information
- Periodic, consultant-driven updates
- Quality assurance-driven HACCP execution
- **Passive** adherence to instructions
- **Reactive**, periodic audit cycles
- Manual and retrospective verification

SKOA Core Layers



Food Safety OS Food Company

- ✓ Enterprise-wide platform integration
- ✓ **Transparent** roles and dynamic documentation
- ✓ **Centralized**, single source of truth
- ✓ Automated, continuous knowledge updates
- ✓ Institutionalized culture of shared responsibility
- ✓ **Operationalized** daily compliance workflows
- ✓ **Proactive**, data-driven verification
- ✓ Real-time, continuous compliance visibility

01 CENTRALIZED DIGITAL ECOSYSTEM

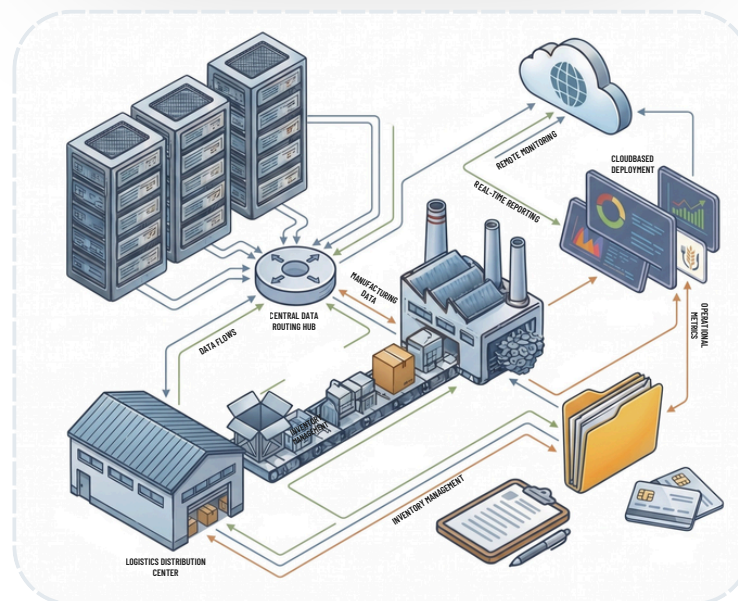
Unified **digital framework** for integrated assets, HACCP protocols, and facility documentation

- ▶ Digital factory model
- ▶ Secure document vault
- ▶ PRP data management

03 DYNAMIC OPERATIONS INTERFACE

Integration of protocols within **digitized floor workflows** for proactive risk management

- ▶ Digitized mobile verification
- ▶ Automated corrective actions
- ▶ Real-time performance



02 SMART COMPLIANCE ARCHITECTURE

Dynamic **knowledge interface** ensuring automated update with legislative streams

- ▶ Global legislation feed
- ▶ GFSI scheme alignment
- ▶ Integrated hazards sync

04 REAL-TIME ASSURANCE: GoLive²

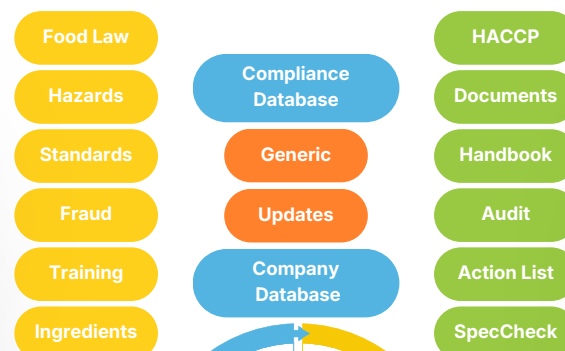
Synthesis of the **digital foundation**, regulatory knowledge, and floor data provides continuous control

- ▶ Autonomous evidence
- ▶ Instant visibility
- ▶ Dynamic compliance

The Infrastructure: iMIS Food

iMIS Food functions as an artificial intelligence-ready **compliance brain** for food enterprises, delivering continuous, scalable, and regular-aligned food safety assurance.

The integrated **software platform** ensures proactive risk management by combining real-time legislative updates, digitized hazard analysis and critical control point workflows.



- **Successful validation** across more than 1000 Global Food Safety Initiative recognized audits, including IFS, BRC, and FSSC 22000
- **Statutory compliance** acknowledgment by the Dutch Food and Consumer Product Safety Authority (NVWA)
- **Automated quality management** system continuous improvement loop execution