



4 Elements of an Effective Food Safety Management System

How to meet your changing challenges and ensure success.

Safety is everything

Food and Beverage manufacturers face a range of pressures: increasingly demanding customers, changing government regulations such as the new Food Safety Modernization Act, and the need to maximize profitability.

There's one way to deliver all this with minimum disruption and with a close eye on containing cost.

Put in place comprehensive, written food safety plans executed automatically via a specialist Food Safety Management System (FSMS).





Track every step in real-time

Rapidly identify and track every ingredient for every product –

Across manufacturing steps: from receipt through processing and packaging, to shipping to the exact customer location.

Save at every juncture and drive productivity

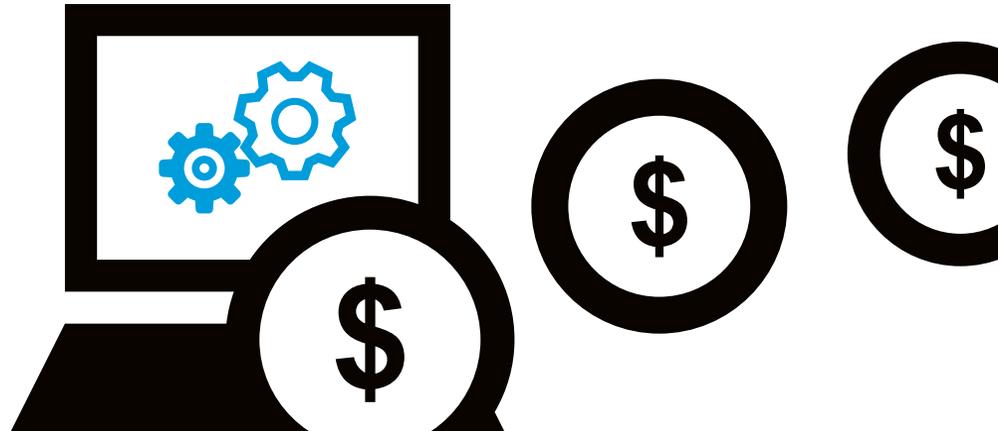
A single FSMS solution helps you save –

Cut IT integration and management costs, automate data consolidation, speed communication across the supply chain, and simplify audit and compliance.

Protect every product and process

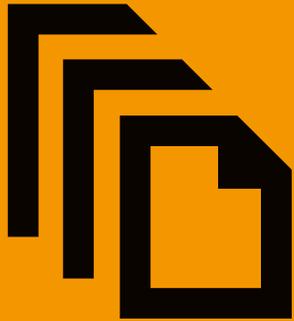
In the case of an investigation or recall –

Quickly show documentation for a particular product or ingredient within your organization and at least one step back and forward in the supply chain.

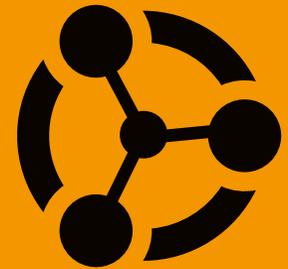


4 Vital Elements of an FSMS

- Support for Hazard Analysis and Critical Control Points (HACCP) plans
- Manufacturing Operations Management (MOM)
- Instant traceability and recall management
- Single-source ERP



Take a
detailed look



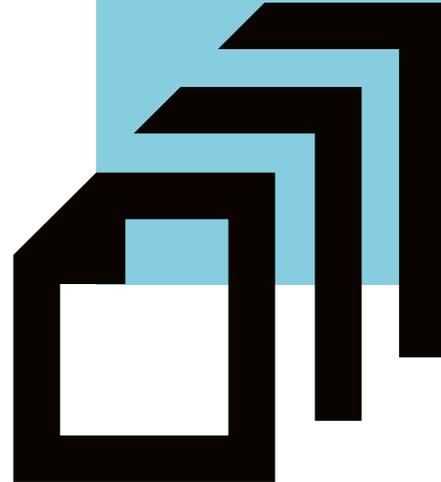
01 Vital HACCP Support

You need documented HACCP plans and corrective actions/preventative actions (CAPAs).

Alongside the ability to provide such documentation to the Food and Drug Administration (FDA) on request. And the functionality to maintain these records for a minimum of two years.

Plex FSMS offers all that and more:

- Automated data management processes to help you stay compliant, reduce costs and increase productivity
- Electronic document controls and electronic signatures
- Workflow management functions, checklists/standard operating procedures (SOPs) and critical control point alarms
- Statistical process controls (SPC) charting and the easy collection of quality data



02 MOM knows best

You need a Manufacturing Operations Management (MOM) solution that delivers visibility and control over plant floor activities, helping you drive operational efficiency.

Production tracking and scheduling, scaling and rejection tracking is also a must. As is comprehensive equipment effectiveness (OEE) reporting to help you avoid breakdowns, develop a technical knowledge base and fix problems fast.

Plex FSMS offers all this via:

- Human-machine interface (HMI) and machine/equipment integration (SCADA) functionality
- Inventory management support, tracking of consumed ingredients and intermediate inventory in real time





03 Instant traceability and recall management

You need to control processes and address quality issues with tools that can track every ingredient from receipt through to finished product delivery, at least one-up and one-back in the supply chain. Plus the ability to deliver a speedy response that meets mandated turnaround times and notification requirements. And a way to isolate problem ingredients early, reducing audit and recall scope.

Plex FSMS gives you a comprehensive approach:

- A ticket-based automated e-pedigree system with supporting alerts and a complete traceability tree for problem products
- Root-cause analysis and problem identification functions
- The quarantining of ingredients within an identified batch and the inventory not yet consumed and all finished goods still in stock
- The identification of any shipped products that need to be recalled
- Automated notification generation to effected distributors and customers



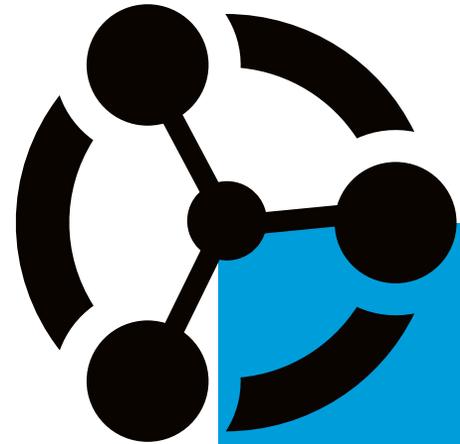
04 A single-source ERP

You need a unified Enterprise Resource Planning (ERP) solution spanning finance and accounting, advanced costing, customer resource management (CRM), human resources, maintenance, and purchasing. All within a single system.

Specifically designed from the plant up for industrial manufacturing and the unique needs of the food and beverage processing environment.

Plex FSMS gives you:

- A comprehensive FSMS included within your ERP functionality, developed to meet the specific needs of the manufacturing processing industry



Increase productivity, savings and peace of mind

Avoid system management costs

No duplicate data entry, tedious system patching or room for human error.

Future-proof your operations

Effortlessly meet new regulatory requirements and changing customer demands.

Automatically consolidate spreadsheets and reports

Access data and correlate it easily, anytime, from anywhere.

Make communication seamless

Share data with customers, distributors and suppliers.

Move towards creating a paperless environment

Store limitless photos, PDFs, and more online.

Simplify audit

Avoid the delays that come from tracking files manually and pull information from the systems in hours rather than weeks.

Safety is everything. Plex has it all.

Leading Food and Beverage manufacturers choose best-in-class, single-source technology solutions that offer all four FSMS features in one and seamlessly link them together. Plex is one such solution.

Explore the Plex Manufacturing Cloud at plex.com or call us at 855-534-8012