



***4 Elements of an Effective  
Food Safety Management System***

**How to meet your changing challenges and ensure success.**

**PLEX®**

## 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 costs:

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





# *Safety is Everything*

## **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.

## **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.

## **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.

## ***So what are the 4 vital elements that a best-in-class FSMS must have?***



# 4 Vital Elements of a FSMS

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





## 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.

The functionality to maintain these records for a minimum of two years is also crucial.

### 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 planning and scheduling should be part of your MOM solution along with inventory traceability and rejection tracking. Also essential is comprehensive overall equipment effectiveness (OEE) reporting that'll help you monitor performance and help you achieve operational excellence.

### Plex FSMS offers all this via:

- Human-machine interface (HMI) and machine/equipment integration (SCADA) functionality.
- Inventory management support, tracking of consumed ingredients and work-in-progress 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. The ability to deliver a speedy response that meets mandated turnaround times and notification requirements is key, not to mention a way to isolate problem ingredients early - thereby reducing the scope of audits and recalls.

#### 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 quarantine 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 affected distributors and customers.





## 04 A single-source ERP

You need a unified Enterprise Resource Planning (ERP) solution that spans finance and accounting, advanced costing, customer resource management (CRM), human resources, maintenance and purchasing.

The importance of all these functions within a single system, that's specifically designed for the unique needs of the food and beverage processing environment, can't be understated.

### Plex FSMS gives you:

- A comprehensive FSMS included within your ERP functionality, developed to meet the specific needs of the manufacturing processing industry.
- Cloud ERP that was designed with MOM in mind to run your manufacturing business.



## 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, seamlessly linking them together. The Plex Manufacturing Cloud® is one such solution.

**Explore the Plex Manufacturing Cloud at [plex.com](https://plex.com) or call us at 855-534-8012**