

DIGITAL INDUSTRIES SOFTWARE

# Digital Fusion: The Evolution of Food & Beverage Manufacturing

Crafting Efficiency, Quality, and Sustainability in the Food & Beverage Industry

Discover how the Food & Beverage sector is blending traditional craftsmanship with cutting-edge technology. Dive into the transformative power of Smart Manufacturing and taste the future of production.

# Trends and challenges in Food & Beverage



### **Sustainability** Sustainable product sales have

risen by **20%** since **2014**.

Online Shopping



## the total market.

Plant-Power The global plant-based food

market is projected to hit

**\$74.2 billion** by **2027**.

are set to make up 20.5% of



## On-the-Go

The consumer drive for convenience remains strong.

**Digital Heartbeat** 



shifts, mastering batches, bridging skill gaps, and ensuring traceability.

# Harnessing the power of digital technologies, smart manufacturing is revolutionizing

Smart Manufacturing, an Introduction

the food and beverage industry, transforming traditional production lines into agile, efficient, and data-driven operations.



the shift from manual to automated, data-driven practices.

At the core of this transformation lies digitalization, empowering



**Tech Titans** 

leading the charge.

IoT, Edge Computing, AI, Machine Learning, and Robotics are



## The global smart manufacturing market is on a trajectory to reach

**Market Momentum** 

a staggering \$506.33 billion by 2027.



Efficiency & Sustainability

A dual focus, optimizing production while championing eco-friendly



**Benefits of Smart Manufacturing** 

Revolutionary Approach: Smart manufacturing is a game-changer, blending digital

tech with advanced training to revolutionize the Food and beverage industry.



# • Speedy Market Entry 50% faster.

- Sustainability 20% energy savings, eco-friendly.
- **Powering Smart Manufacturing** The Three Pillars

### Flexible & Predictable Agile Manufacturing **Engineering** Manufacturing

# This pillar prioritizes scalability, agility, and maximum utilization.

Plan

Embrace a strategic approach to production

maximizing capital

assets' efficiency.

design and operations,

### and equipment. The aim? Deliver high-quality

products efficiently, regardless of lot size.

design processes,

Execute

Addressing the intricacies

of production, this step

ensures scalability in

materials, operations,

**Siemens Xcelerator** The Digital Gateway Transforming Manufacturing.

### companies towards optimized operations, emphasizing sustainability.

pushes food and beverage

**Optimize** 

Sustainable

**Operations** 

Leveraging the might

of IoT, machine learning,

and analytics, this pillar



**Portfolio** 

Premium software

& IoT solutions.

# **Triple Power**

**Ecosystem** Collaborative genius from tech giants to indie devs.



Marketplace

Dive into a vast array of

resources & partners.

## Interoperability Crafting flawless

digital threads.

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## **Flexibility** Tools that adapt

with you.

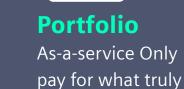
the food and beverage landscape?

Ready for a transformative journey to accelerate



## Open Unleashing insights with

standardized APIs.



matters.

**Click** here to discover the solutions