

## Food & Beverages Industry

Sarla Technologies has been serving the Food & Beverage industry for the past 17+ years. We have executed more than 100 projects across various processes of Global Food & Beverage (F&B) industry.

We have gained good experience on end-to-end processes and equipment used in F&B plants from reception to dispatch. We have utilized our knowledge on various standards like ISA-S-88, ISA-S95, PackML, FDA guidelines, etc. to provide scalable and flexible engineering services to our customers.



### F&B Products Experience

#### Dairy

Milk  
Ice-cream  
Cheese & Margarine  
Yogurt & Butter  
Soy & Flavored Milk

#### Breweries & Beverages

Beer & Malt  
Wine & Alcoholic drinks  
Soft Drinks  
Energy Drinks  
Fruit Juices

#### Confectionaries

Biscuits- Cream, Non-cream, Cookies, etc.  
Chocolates  
Candy Bars  
Milk & Energy Bars

#### FMCG

Vegetable Oil  
Sugar & Sugar products  
Shampoo, Toothpaste, Soaps & Detergents  
Hand-wash & Liquid soap

### Services and Solutions

#### Industrial Automation

PLC, DCS, SCADA & HMI Application Development  
FAT/ SAT  
Commissioning  
24x7 Support

#### Plant IT Solutions

MES Enablement  
Overall Equipment Effectiveness (OEE)  
Paperless Manufacturing  
Management Information System (MIS)

#### Design Engineering

Mechanical & Piping  
Structural Engineering  
Electrical & Instrumentation  
As-Built Documentation

#### Software & IoT

Mobile & Software Application Design  
RFID, Barcode Integration  
Driver Development  
Cloud & Data Analytics

### Our Experience on Various Systems, Processes and Equipment

#### Dairy Processing

Homogenisation, Pasteurisation, UHT  
Separation & Filtration  
CIP & Utilities  
Evaporator & Dryer  
Filling & Packaging

#### Breweries & Beverages

Batching, Blending, & Mixing  
Malting & Mashing  
Filtration, Distillation & Evaporation  
Fermentation  
Filling & Packaging

#### Chocolates and Confectionaries

Powder Unit  
Liquid Unit  
Milk System Unit  
Cream System Unit  
Raw Blending Unit  
Filling & Packaging

#### Vegetable Oil Refining

Degumming  
Bleaching  
Deodorizing  
Fat Modification  
Saponification  
Filling & Packaging

#### Sugar Processing

Refining & Diffusion  
Evaporation & Crystallization  
Purification & Carbonation  
Affination & Melting  
Decolourization

## Our Success Stories in Food & Beverages Industry

### Automation Engineering Support to a Major F&B OEM for a Leading **Dairy in UK**



**Processes:** End-to-end systems to process and package nearly one billion litres of milk per year.

**Scope:** Application development for PLC & SCADA, Simulation, FAT, Dry testing, Integration with SAP, Commissioning & continuous 24x7 support (till date).

**Hardware & Software:** Siemens PLC S7- 300/400, Wonderware ArchestrA IDE SCADA, etc.

### Control System Upgrade for an Automation OEM at a Leading **Brewery in Belgium**

**Process:** Migration from Siemens S5 to Allen Bradley ControlLogix PLC for brewery plant.

**Scope:** PLC & SCADA Application development, Integrated testing, FAT, Commissioning and remote site support.

**Hardware & Software:** Rockwell (Allen Bradley) ControlLogix L75 system & FT View SE SCADA.

### 3D Modelling & Detailed Engineering for Major F&B OEM at a Leading **Dairy in UAE, ME**



**Processes:** Product and utility piping, Overall drawings for pasteurizer skids & frames, hot & chilled water distribution systems.

**Scope:** Equipment & Piping Engineering, 3D modelling and 2D drawings, Layout drawings, BOM based on Piping & Instrumentation Drawing (P&ID).

**Software:** Autodesk Inventor, Plant3D & AutoCAD.

### Automation Services for System Integrator at Leading **Ice-cream FMCG brand, Turkey**

**Processes:** Ingredient storage, Weighing, Pasteurization, Homogenization, Freezing and CIP.

**Scope:** Software development using PCS7 & S7-400, Graphics development, Simulation & Integrated Testing, Pre-FAT, FAT & Commissioning activities.

**Software:** Siemens PCS7, Siemens S7-400, WinFlex2005, Siemens WinCC, etc.

## Our Value Propositions

### Our Team's Strength

- End to end experience on F&B Processes
- Knowledge on S88 and S95 Standards
- Automation Platform independent services
- Proven Global delivery model
- Geographically flexible resources
- State of the art infrastructure facilities

### Our Customer's Gains

- Reliable & scalable engineering partner
- One stop shop services & solutions partner
- Technical expertise to execute global projects
- Free up in-house talent for priority work
- Reduce cost & increase business volume
- Confidentiality of information, systems & processes

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