

YOUR ONE-STOP SOLUTION PARTNER



Since 1997

Manufacturers and suppliers of processing equipment for Dairy, Water, Juice & Carbonated Soft Drinks industries. Complete turnkey solutions from A to Z.



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CHAPTER 01

About ALPES

Nearly 30 Years of Excellence in Industrial Processing Equipment

Who We Are



Industry Leaders

ALPES AISI SERVICES FZE is a leading manufacturer and supplier of processing equipment for the Dairy, Water, and Juice and Carbonated Soft Drinks industries. Established in 1997 and headquartered in Dubai, UAE, we have built a reputation for excellence across Africa, CIS, Middle East, and beyond.

Turnkey Solutions

We provide complete "turnkey" solutions from A to Z — from plant study and conception to installation, commissioning, and training. Our comprehensive approach allows you to focus on your core business while we handle the technical complexities.



Headquarters
Jebel Ali Free Zone, Dubai, UAE



Established
1997



Coverage
Africa, CIS, Middle East

Our Core Promise

1

Long - term Relationships

We view our customers as part of our family, building partnerships that last.

2

Shared Responsibility

We care about your time and inspect all equipment before shipment.

3

Continuous Innovation

We offer AI-powered automation solutions for maximum efficiency.

Our sincere interest in the Customer and the way they conduct business allows us to offer new ideas and innovations for a joint step forward.

Vision & Values



Our Vision

To be your one-stop solution partner in Africa, CIS, Middle East, and other regions providing turnkey solutions in the fields of **Dairy, Juice, Water & CSD production.**

We aim to be the trusted partner that transforms your production capabilities through innovative technology and unwavering commitment to excellence.

♥ Our Core Values

- 1 Customer as Family:** We identify our customers as an integral part of our family, building lasting partnerships based on trust and mutual success.
- 2 Exceeding Expectations:** We meet and exceed customer expectations through our experience and valued experts.
- 3 Efficiency & Quality:** We focus on efficiency and quality through industry-leading solutions and continuous staff education.
- 4 Honest Management:** Our management style is honest, immersive, respectful, and fully covers customer business needs.
- 5 Safety First:** We implement projects with accurate price analysis, never compromising on safety, security, and development.
- 6 Unified Team:** Our employees act as one unit, respecting ethical values and laws while working toward common goals.

Our Core Strengths



Quality

Supplying equipment of stable high quality is one of our top priorities. Working with us, you are sure to get excellent quality at an affordable price.

Key Benefits:

- Consistent performance standards
- Rigorous quality control processes
- Cost-effective solutions



Reliability

In our product line we keep reliable equipment that has passed the test of time. We partner with industry leaders like Alfa Laval to ensure dependability.

Key Benefits:

- Time-tested equipment designs
- Minimal downtime
- Long operational lifespan



Innovation

We offer solutions with maximum automation, using artificial intelligence. We see progress in this way of doing business.

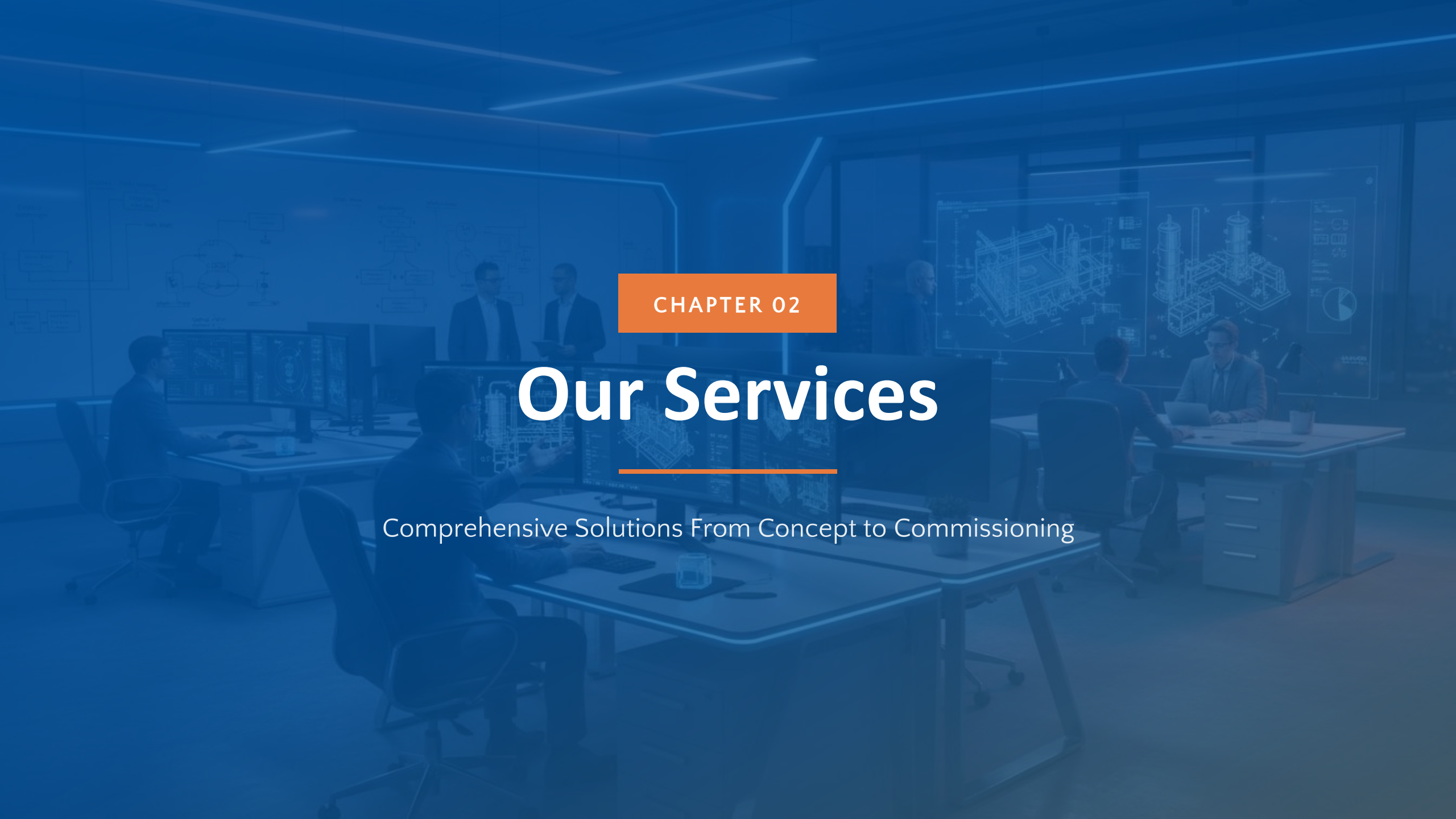
Key Benefits:

- AI-powered automation
- Advanced control systems
- Future-ready technology



Your Success is Our Priority

By working with us, your business progresses with us too.



CHAPTER 02

Our Services

Comprehensive Solutions From Concept to Commissioning

End-to-End Service Portfolio



Project Management

Expert project management ensuring completion according to specifications, on time and within budget. We assemble multi-disciplinary teams for each project.



Process Engineering

Advanced 2D and 3D CAD modeling for plant process design based on international standards. We generate flow sheets, P&ID, equipment specs, and plant layouts.



Installation

Expert teams worldwide including piping engineers, TIG welders, electricians, and automation engineers. We use Alfa Laval sanitary products for process piping.



Training

Technical training on-site for operators and maintenance teams to ensure smooth start-up and long-term efficiency of your production.



Shipment

Complete logistics organization from factory to plant, including air and sea freight options, customs clearance, and inspection coordination.



Commissioning

Our team conducts acceptance, electrical, mechanical and production tests, assembling processing lines and adjusting PLC parameters.



Documentation

Perfect technical handbooks, user manuals, and catalogs with process information, maintenance guides, spare parts lists, and drawings.



After-Sales Support

Comprehensive after-sales service and spare parts support. We provide maintenance advice and appropriate spare parts for all equipment.

Leave the technical complexities to us — focus on growing your business

Engineering & Automation Excellence



Advanced 2D & 3D Modeling Modeling

Equipped with state-of-the-art CAD systems for plant process design based on the latest international standards for hygienic design.

Flow Sheets & P&ID

Complete process documentation

Equipment Specs

Detailed BOQ and planning

Plant Layout

Optimized facility design

Utility Planning

Electricity, steam, air, water



Automation Advantages

- ✓ Higher production rates
- ✓ Increased productivity
- ✓ Better product quality
- ✓ Improved safety
- ✓ Lower overhead costs
- ✓ Less material scrap



Custom Automation Solutions

Our automation team designs customer-specific solutions to ensure manufacturing processes have less variability, creating better value and competitive advantage.

Process Control

Increased control makes more efficient use of materials, resulting in less scrap.

Worker Safety

Automated systems remove workers from hazardous areas, safeguarding against workplace dangers.

Custom Design

Each solution is tailored to your specific manufacturing needs and process requirements.

Our Commitment: We help customers integrate projects into existing processes and manage change through effective training, ensuring smooth transitions and maximum efficiency gains.

CHAPTER 03

Dairy Processing

Complete Solutions for Modern Dairy Production

Milk Processing Equipment



Homogenizer

Designed for homogenization of various food materials. Uses best technology and materials for Food & Beverage applications.

Technical Specifications:

Capacity: **50-50,000 L/Hr** Pressure: **150-1,500 Bar**
Power: **4-355 KW**

Hygienic Design

Low Noise



Milk Cooling Tanks

Large storage tanks for cooling and holding milk at cold temperatures. High-quality insulation maintains temperature for 24+ hours.

Technical Specifications:

Closed Type: **1,000-20,000 L** Open Type: **200-3,000 L**
Material: **AISI 304**

Easy Install

Monitoring



Pasteurizer

Skid-mounted plate pasteurizer for dairy, juice, beverage, and wine industries. Semi or fully automated with energy recuperation.

Technical Specifications:

Capacity: **200-30,000 L/Hr** Temp: **2-95°C**

Compact

Energy Efficient



UHT Sterilizer

Automated high-temperature treatment extending shelf life to 6 months while preserving taste, texture, and quality.

Technical Specifications:

Capacity: **1,000-40,000 L/Hr** Sterilization: **115-137°C**

Long Shelf Life

CIP Integrated



Plate Heat Exchanger

Uses metal plates to transfer heat between fluids with large surface exposure for rapid temperature exchange.

Technical Specifications:

Capacity: **1,000-25,000 L/Hr** Temp Range: **2-95°C**

High Efficiency

Hygienic



Silo & Storage

Outdoor storage silos for large dairy, food, or pharmacy production. Maximum capacity in minimal space with full protection.

Technical Specifications:

Custom Design: **Fully Adaptable**

Outdoor

Custom

Advanced Dairy Solutions



Separator & Bactofuge

Centrifugal devices that separate milk into cream and skimmed milk using advanced centrifugal separating equipment.

Capacity: 1,200–45,000 L/Hr skimming | **Power:** 4–55 KW

Butter Equipment

Transforms cream into butter by reversing oil-in-water emulsion. Made of AISI 304 stainless steel with sand-blasted treatment.

Capacity: 3,600–26,000 kg/h cream | **Output:** 1,800–13,000 kg/h butter

Cheese Equipment

Full range of cheese production equipment including vats, pre-pressing units, pneumatic presses, molds, cutting machines, and weighing systems.

Capacity: Custom on demand | Full industry-leading solution

Ice Cream Equipment

Complete solutions for smooth, stable ice cream structure including mix working plants, continuous freezers, and filling/packing machines.

Volume Increase: 30–140% | **Packing:** 4,800–12,000 pcs/h

Deodorizer

Removes unpleasant odors and tastes from milk using strong vacuum technique while preserving the product structure.

Capacity: 1,000–20,000 L/Hr | **Tank:** 300–500 L

Pumps & Laboratory

Pumps: Centrifugal and positive displacement pumps for various liquids. Hygienic design with spare parts availability.

Laboratory: Complete equipment for microbiological and chemical testing including lactoscan, cryoscope, centrifuge, pH-meters, and more.

CHAPTER 04

Juice Processing

From Fruit to Bottle – Complete Juice Production Lines

Fruit Processing Equipment



Conveyors

Modular conveyor systems designed for food transportation including belt, chain, spiral, and roller types.

Available Types:

- Belt & inclined belt conveyors
- Chain conveyors
- Spiral & roller conveyors

Modular

Easy Clean



Washer

Cleans fruits & vegetables by removing dust and pesticide residues. From brush cleaning to water jet washers.

Key Features:

- Suitable for all fruit types
- High cleaning quality
- Easy process integration

High Quality

Adaptable



Depulper

Separates pulp from fruit stones using paddles system pressing fruits against perforated cylinder.

Technical Specs:

Capacity: 500–2,500 L/Hr**Power:** 7.5 KW**Screen:** 2mm (adaptable)

Standalone

Process Line



Squeezer

Gently extracts juice without crushing cells, preserving the best quality juice with or without pasteurizing.

Technical Specs:

Capacity: 100–1,000 L/Hr**Power:** 4–12 KW**Operation:** 1 operator

Gentle

Hygienic



Concentrator

Forced circulating multi-effect evaporators for high concentration and viscosity materials.

Key Features:

- Single to multi-effect
- Energy saving design
- Low temperature operation

Energy Efficient

Heat Sensitive



Supporting Equipment

- ✓ **PHE:** Heat exchange for juice processing
- ✓ **Pasteurizer:** 200–30,000 L/Hr capacity
- ✓ **UHT Sterilizer:** Long shelf-life solutions
- ✓ **Storage Tanks:** 1,000–30,000 L capacity
- ✓ **Pumps:** Various types available

CHAPTER 05

Water Treatment

Pure Water Technology for Beverage Production

Water Treatment Systems



Media Filters

Pressure filters with various filtration media to remove turbidity, colloids, color, odor, iron, and manganese.

Filter Types:

- Carbon filters
- Sand filters
- Manganese filters

Manual/Auto

Cost Effective



UV Filter

Ultraviolet water disinfection without heat or chemicals. Germicidal UV lamps lethal to bacteria, viruses, and microorganisms.

Capacity Ranges:

Eco: 340–680 L/Hr

Standard: 681–90,000 L/Hr

High Cap: 19,000–158,000 L/Hr

Chemical Free

Eco-Friendly



Reverse Osmosis

Removes up to 99.9% of salts and contaminants. Non-selective filtration with optional remineralization.

Key Benefits:

- Very high filtration quality
- Works with any water source
- Remineralization option

99.9% Pure

No Chemicals



Ozone System

Powerful oxidant and disinfectant for water treatment applications. Breaks down into oxygen after use.

Applications:

- Drinking water disinfection
- Wastewater treatment
- Food & beverage processing

On-site Gen

No Storage



Softener

Removes calcium and magnesium through ion exchange, preventing scale buildup in pipes and equipment.

Benefits:

- Reduces maintenance costs
- Extends equipment life
- Saves water and energy

Essential

High Performance



Complete Solutions

- ✓ **Cartridge Filters:** Sub-micron filtration
- ✓ **Storage Tanks:** 1,000–30,000 L
- ✓ **Carbonator:** 6,000–60,000 L/Hr
- ✓ **Packaging:** Rinsing, filling, capping
- ✓ **Pumps:** All types available

CHAPTER 06

Utilities & CIP

Supporting Infrastructure for Efficient Production

Utility Systems



Ice Water Unit

Produces chilled water down to 0.5°C in closed system using accumulated ice. Widely used as coolant in food industry.

Key Features:

- Reliable parts and materials
- Maintenance friendly
- Energy efficient
- Fully adaptable

0.5°C

Energy Efficient



Cooling Tower

Allows water and air contact to lower temperature through evaporation. Best complementary solution to chillers.

Benefits:

- Cost effective operation
- High cooling capacity
- Easy adjustment
- Long life design

Cost Effective

Reliable



Electric Generator

Versatile diesel generators built to power any application including hospitals, food factories, and data centers.

Technical Specs:

Power: 14–3,000 KW

Fuel: Diesel

Frequency: 50/60 Hz

Reliable

Cost Effective



Electric Panel

Custom-designed electrical panels for safety and functionality. From simple cabinets to full automation control.

Features:

- Custom design for your needs
- Maintenance friendly
- Data recording options
- Full automation control

Custom

Recording



Stainless Fittings

Variety of stainless steel tubes, pipes, flanges, and fittings conforming to ISO 9001 standards.

Applications:

- Pharmaceutical industry
- Food processing
- Natural gas systems
- Petrochemical

ISO 9001

Custom



Additional Systems

- ✓ Cold Room: Positive & negative temp
- ✓ Waste Water: Complete treatment
- ✓ Industrial Floors: Activity-specific
- ✓ Pumps: All types available
- ✓ Compressor: Pressure increase

CIP - Cleaning In Place

What is CIP?

Cleaning In Place (CIP) removes product residues and microorganisms from all wetted surfaces inside tanks, pipework, and filling machines without disassembly.

Degrees of Cleanliness:

- 1 **Physical:** Removal of all visible dirt
- 2 **Chemical:** Removal of microscopic residues
- 3 **Bacteriological:** Attained by disinfection
- 4 **Sterile:** Destruction of all microorganisms

Involved Departments

- ✓ **Quality:** Settings and monitoring
- ✓ **Maintenance:** Utilities and upkeep
- ✓ **Process:** Daily operation

CIP Configuration Options

Item	Option 1	Option 2	Option 3	Option 4
Lines	1	2	3	4
Tanks	4	5	5	5
Tank Type	4-Compartment	Separate	Separate	Separate
Capacity	1,500 L	2,000 L	5,000 L	10,000 L
Pump Cap	15,000 L/Hr	20,000 L/Hr	25,000 L/Hr	25,000 L/Hr
Water Reuse	No	Yes	Yes	Yes

Key Benefits

- ✓ Easy to use
- ✓ Fully automated
- ✓ Recording system
- ✓ Cost effective
- ✓ Custom recipes
- ✓ After-sales support



CHAPTER 07

Spare Parts & Support

Comprehensive After-Sales Service Worldwide

Spare Parts & After-Sales Service

Extensive Inventory

We work in partnership with leading manufacturers to deliver the highest quality process spare parts , with complete after-sales support and service package.

Our Stock Includes:

- Heat exchanger plates and seals
- Mechanical seals for pumps
- Homogenizer parts (crankshafts, valves)
- Filling machine components
- Separator components
- Pumps, valves, and fittings

Our Commitment

- ✓ Extensive stock at service centers
- ✓ Best and fastest delivery services
- ✓ Guaranteed spare parts availability
- ✓ Competitive prices, no quality compromise

Equipment We Support

Pasteurizers

Plates, seals, heaters, pumps

Heat Exchangers

PHE and THE components

Homogenizers

Crankshafts, valves, heads

Filling Machines

Rotary, linear, aseptic types

Separators

Imported and non-standard

Pumps & Valves

All types and sizes

After-Sales Services

- 1 Maintenance Advice**
Expert guidance on maintenance interventions
- 2 Technical Support**
Remote and on-site assistance available
- 3 Equipment Optimization**
Help to optimize production processes



CHAPTER 08

Our Projects

Global Implementation Success Stories

GLOBAL DAIRY SOLUTIONS
— PROJECT ALPHA —
COMMISSIONING COMPLETE

Featured Projects



Yogurt Filling Line

Democratic Republic of Congo

Modern filling line for yogurt in PET bottles successfully installed and commissioned. Complete production cycle from bottle blowing to group packaging.

- Equipment Included:
- PET bottle blowing line
 - Filling and packing complex
 - Labeling machine
 - Group packaging system

Results:

Stable product quality, minimized manual labor, modern facility meeting international standards.



CSD Production Plant

Complete Turnkey Solution

Comprehensive carbonated soft drinks project including water storage, treatment, syrup preparation, and CIP systems.

- Key Components:
- 200 m³ pure water tank (Ø4.7m x 13.5m)
 - Pipeline and pump systems
 - Syrup preparation equipment
 - Complete CIP system

Impact:

Full production capability from raw water to finished CSD products with integrated quality control.



CIP Installation

DRC – 25 Tons/Hour

Industrial CIP Unit installation with 25,000 L/Hr capacity, 2 pressure lines, and 5 tanks successfully completed in DRC.

- Technical Specs:
- Capacity: 25,000 L/Hr
- Lines: 2 pressure lines
- Tanks: 5 separate tanks

Achievement:

Full compliance with technical specifications, stable operation, comprehensive staff training.



Kefir Production Line

Kazakhstan – 10,000 L/Hr

Complete turnkey thermized kefir production line installed in September 2024. Optimized layout for maximum efficiency in limited space.

- Equipment Installed:
- Multiple processing tanks
 - Pasteurizers and CIP
 - Aseptic tank system
 - Optimized plant layout

Client Feedback:

Successful teamwork between ALPES and client teams, alternative solutions optimized for client needs.

Our Partners



Industry-Leading Partnerships

Quality through collaboration with the best in the industry

Over the years, ALPES has selected manufacturer subcontractors who meet our strict standards in technology and quality . We are always looking for the best products as process equipment or packing equipment. We inspect our equipment before every delivery.



Alfa Laval

Sanitary products & process equipment



Leading Manufacturers

Worldwide equipment suppliers



Global Network

International supplier partnerships



Quality Assurance

Pre-delivery inspection



Expert Selection

Careful partner vetting



Continuous Improvement

Always seeking best products



Long-term Relations

Strategic partnerships

LET'S BUILD YOUR SUCCESS TOGETHER



Contact Us Today

We'll be happy to help you take the next step



Visit Us

ALPES AISI SERVICES FZE
JAFZA One AB Bridge, Office 807
Jebel Ali Free Zone, Dubai, UAE



Contact Us

Sales: +971 50 313 01 69
Equipment: +33 6 70 57 63 84
Spare Parts: +971 56 578 99 39
Office: +971 042 648 859
Email: ais@alpes-is.com



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WhatsApp & WeChat Available
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"Your one-stop solution partner since 1997"

Quality · Reliability · Innovation