

Proven Project Delivery for Dairy Operations

DISCUSS Alignment with process, quality, and production teams

DEFINE Functional definitions and requirements validation

DESIGN Detailed system design and engineering documentation

DEVELOP Iterative development with stakeholder review

DEMONSTRATE Factory acceptance testing and system validation

DEPLOY Coordinated startup and commissioning support

DELIVER Operator training and system handoff

Focused on production continuity, system validation, and long-term maintainability.



Why Dairy Manufacturers Choose Cybertrol

Dairy Process Expertise

Experience across batching, CIP, pasteurization, processing, and packaging systems

Integrated Automation + Information

Control systems, MES, and data platforms designed as one system

Designed for Sanitation & Compliance

Solutions built to support traceability, reporting, and regulatory requirements

Reliable Systems That Perform

Architectures focused on uptime, consistency, and ease of support

Lifecycle Support

Project delivery, service, and 24/7 support

Improve visibility, consistency, and performance across your dairy operation.



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CHEESE & DAIRY SOLUTIONS

Control & Information Systems Integration for Dairy Manufacturing

From intake through packaging, integrated systems that improve consistency, visibility, and performance





Dairy-Focused Automation & Information Systems



Process Control & Automation

- Raw milk intake and storage systems
- Milk standardization and separation
- Homogenization and pasteurization (HTST)
- Vat and batch process automation
- Drying and evaporation systems
- Cheese processing and packaging integration



CIP & Sanitation Systems

- Configurable CIP and SIP platforms
- Operator-driven sanitation without PLC changes
- Wash tracking, compliance monitoring, and reporting
- Real-time visibility into flow, temperature, and conductivity



Manufacturing Intelligence

- Production performance analytics and reporting
- Material usage and traceability
- Real-time dashboards and historical analysis



OT Infrastructure & Cybersecurity

- Secure plant networks and server architecture
- IDMZ design for safe IT/OT data exchange
- High-availability systems for 24/7 production

End-to-End Dairy System Integration

Cybertronic integrates process, control, and information systems across the full dairy operation.

- Integrated control from intake through processing and packaging
- Coordinated batch execution, sequencing, and recipe management
- Process optimization and integrated equipment control
- Standardized control architectures across process areas
- Production data captured for reporting, traceability, and compliance
- Real-time production visibility and system diagnostics
- Structured system testing and commissioning prior to startup

Engineered for repeatable production, reliable sanitation, and uptime.

Dairy-Specific Solutions

Batch Control & Recipe Management + BatchWorks®

- Centralized recipe and formulation control
- Production scheduling and campaign management
- Real-time material tracking and ERP integration

Configurable Clean-in-Place (CIP) Platform

- Build and modify wash programs without PLC changes
- Full wash history, audit trails, and compliance reporting
- Circuit-level control and optimization

Packaging Line Integration + PalletWorks®

- Production labeling, validation, and pallet tracking
- Integration with packaging systems and ERP/WMS platforms
- Real-time visibility into production and exceptions

Enterprise Reporting Platform

- Batch, HTST, CIP, and production reporting
- Multi-site visibility and performance tracking
- Cloud-enabled analytics and dashboards



BatchWorks



PalletWorks