

Panel Modernization Assessment Report

Generated by Craft Automation Panel Upgrade vs Replace Advisor

Assessment Date: 2/9/2026

Professional Control System Modernization Analysis

RECOMMENDED STRATEGY

RECOMMENDED PATH: PLC REPLACEMENT & MIGRATION

Your control system requires hardware replacement with comprehensive program migration to ensure continued operation and enhanced capabilities.

ASSESSMENT DETAILS

Industry Sector:

Food & Beverage

PLC Brand:

Relay Logic

PLC Status:

Discontinued

Primary Concern:

Compliance

NFPA 70B Documentation:

None

Programming Documentation:

Partial

Programming Complexity:

Complex

Remote Access Needs:

Full Control

SELECTED UPGRADE GOALS

- Recipe Management
- Data Logging

COMPREHENSIVE ASSESSMENT REPORT

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This assessment reflects the same criteria discussed in our monthly Inside the Panel series—focusing on risk, uptime, and return on modernization investment.

Technical Strategy:

Based on your inputs for Food & Beverage operations with Relay Logic Discontinued hardware and Complex programming complexity, Standard program migration with logic optimization and modern structured programming implementation.

Industry Considerations:

For Food & Beverage applications with your current system configuration, Special considerations for food production environments including FDA compliance, precise temperature control validation, batch tracking, and HACCP documentation integration.

Expected Benefits:

- 60-80% reduction in spare parts inventory costs
- Remote diagnostic and troubleshooting capabilities
- Improved energy efficiency through optimized control algorithms
- Enhanced safety features and alarm management
- Future expansion capabilities with modern I/O architecture
- Compliance with current industrial standards

Implementation Plan:

1. Site survey and existing program backup

2. Hardware compatibility assessment
3. Programming timeline and testing protocol development
4. Operator training plan creation

Requirement Assessment:

- Temporary production interruption during cutover
- Operator retraining requirements

RECOMMENDED NEXT ACTION:

Download this assessment report as a PDF and share it with our engineering team using the form below. Our team will provide a comprehensive consultation and detailed project plan based on your specific requirements.

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