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Knead for Speed: Efficient Upgrade for Major Pizza Chain's Dough Facility

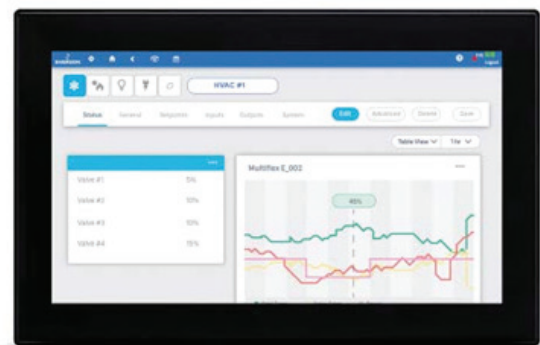
The Problem:

A pizza dough plant on the outskirts of Phoenix, AZ, relied on an outdated RMCC refrigeration monitor control unit to manage its rack system. The aging unit was inefficient, underperforming, and provided minimal data, making an upgrade essential. The plant, running multiple shifts and producing over 10,000 pizza doughs daily for restaurants across multiple states, could not afford to slow down operations to implement the upgrade.

Replacing the system was a critical project that required precise timing. The upgrade had to be completed within a tight window, starting Friday at 6 PM and finishing by Saturday at midnight, ensuring the system was fully operational by Sunday at 2 AM.



RMCC Monitor Control Box Before



Copeland CPC E3 Controls

The Solution:

CoolSys selected Copeland CPC E3 controls, replaced all sensors and boards with brand-new units and tripled the quantity of the existing RMCC, to create a robust monitoring platform that exceeds current best practices. This enhanced system delivers precise predictive analytics, quickly identifies the root causes of issues, and offers seamless online and offline access.

To meet the project's tight deadlines, CoolSys developed a meticulous hour-by-hour project plan. This included offsite programming and testing of the units, cell modem, boards, and sensors. The design and installation teams collaborated using annotated photos and detailed on site markers, enabling precise coordination of tasks well in advance of entering the facility.

The Impact:

CoolSys successfully completed the project ahead of schedule, demonstrating exceptional efficiency and expertise. By 2 PM on Saturday—an impressive 10 hours early—the team had completed the cut-off, removed outdated sensors, boards, and equipment, installed the new system, the sensors, the boards, and conducted thorough testing before restarting the rack.

With the extra time, the team leveraged their advanced platform to address recurring flood-back issues. They identified the root cause and fixed the issue, ensuring long-term reliability.


The customer's Senior Engineer, who flew in to oversee the project, was highly impressed by CoolSys' preparation, technical expertise, and flawless execution. As a result, he updated internal requirements to use CoolSys teams for all future control system upgrades exclusively.

Already relying on CoolSys for HVAC and refrigeration services, The customer's expanded its partnership to include assistance with power loss issues and energy monitoring, further solidifying CoolSys as a trusted and invaluable partner.

Project Highlights:



**COMPREHENSIVE
EMS SYSTEM UPDATE
COMPLETED IN
20 HOURS**



**3X
SENSORS & BOARDS
INSTALLED**



**10 Hours
AHEAD OF THE
DEADLINE**