



SUCCESS STORY

PITTSFIELD RYE

WHAT THEY NEEDED:

Pittsfield Rye is a third-generation wholesale bakery located in western Massachusetts. Since 1929, the Robbins family has been baking and distributing artisan bread products that have not only become a local staple, but have also found widespread success with grocery chains like Big Y and Stop & Shop. Not a small operation by any means, their facility comprises fourteen cold room environments, each with their own temperature requirements and operating conditions. The Robbins were looking for a better way to manage and maintain all of those spaces.

In addition, they were looking for a solution that could help them meet the stringent H.A.C.C.P standards as it pertains to food safety. The Robbins take that responsibility very seriously, and desired a system that would keep them on top of any issues that could compromise product integrity. Knowing their holding temperatures is important, but getting actionable insights is paramount.

WHAT NRM PROVIDED:

NRM worked hand-in-hand with the Robbins family every step of the way to provide a solution that satisfied all of their requirements.

It began with implementing our Remote Site Manager platform, the most comprehensive controls and monitoring tool on the market. The RSM platform gives the Robbins live 24-hour access to their temperatures and settings, it equipped each refrigeration system with instant alerts that go to their email and smart phones, automatically records and logs temperature data for adhering to federal regulations, lets them initiate defrosts at any time, and allows them to manage all fourteen of their cold room environments from a single dashboard. They use the system daily, and it has dramatically decreased the amount of time spent each day manually checking and recording temperatures.

On top of the monitoring platform, NRM's solution also fit perfectly into the Robbins' growing energy-efficiency portfolio. They had already installed solar panels on-site, recognizing the long-term benefits of "going green". NRM optimized the refrigeration equipment to operate on cooling requirements, and the system hardware was retrofit with high-efficiency upgrades. With the refrigeration improvements alone, the Robbins recoup over \$20,000 in energy costs per year.



SOLUTION SNAPSHOT

Industry:

Bakery

Cold Rooms: 3

1 Walk-in Freezer

1 Production Area

1 Walk-in Coolers

Implemented Measures:

Remote Site Manager

CoolTrol (on-site smart controls)

Anti-Sweat Door Heater Controls

High-Efficiency EC Fan Motors

Annual Energy Savings:

115,000 kWh

Annual \$ Savings:

\$21,000





Before we purchased RSM, it was literally a full-time job manually checking the temperatures of all of our refrigeration. We have five trailers, a blast freezer, a utility freezer, and a walk-in cooler. With RSM, I can simply check my iPad and have all of that information at my fingertips 24 hours a day, anywhere I am. I love the system and would highly recommend it.

— Rick Robbins, Owner

CONVENIENT REAL-TIME SUMMARIES

NRM CoolTrol MC Series 4			Temperature °F							Status					Amps	Starts 24 Hr.			% Run 24 Hr.			% Run 7 Days		
Description	Notes	Status	Space	Evap	3rd	Dif	SP	24hr	Mode	Dfrst	Sol	Fan	Door	Comp	Sol	Comp	Fan	Sol	Comp	Fan	Sol	Comp	Fan	
Cooler Zone 1	—		36	37		3	39	39.8	Run	On	Off	On	Closed	0.2	14	21	121	2.7	3.9	29.2	1.9	2.7	26.9	
Cooler Zone 2	—		38	32	32	3	39	40	Run	Off	Off	Off	Closed	0.2	21	118	103	12	17.2	40.7	11.9	17.9	38.9	
Freezer Zone 1	—		7	24		4	-10	-4.9	Run	On	Off	Off	Closed		19		38	65		70.7	63.4		67.9	
Freezer Zone 2	—		6	-12		4	-10	-6.3	Run	Off	On	On			12		61	46.1		55.1	64.8		70.6	
Freezer Zone 3	—		5	5		4	-10	-3.4	Run	Off	On	On			10		35	62.1		67.6	80.1		81.9	
Freezer Zone 4	—		1	2		4	-10	-8.2	Run	Off	On	On			21		96	18.4		32.6	40.5		50.4	
Freezer Zone 5	—		2	-2		4	-10	-4.4	Run	Off	On	On			12		21	72.3		75.8	72		74.2	
Freezer Zone 6	—		6	6		4	-10	-3.9	Run	Off	On	On			9		11	80.6		82.3	84.9		85.7	
Freezer Zone 7	—		4	-16		4	-10	-6.1	Run	Off	On	On			32		66	44.2		54.9	66.8		72	

Door Heater Controller			Environmental			% Power	% Power 24 Hours	% Power 7 Days
Description	Type	Status	°F	% RH	Dew	Output	Output	Output
Door Heater Controller	Freezer		61	66	50	60	45.6	52.9

Remote Site Manager can alert you instantly when a space temp goes out of range, and then provides an operational trend so you can pinpoint what caused the issue.

OPTIMIZATION BENEFITS



SMART CONTROLS



24/7 MONITORING PLATFORM



PREDICTIVE DIAGNOSTICS



IMPROVED EFFICIENCY



ENERGY SAVINGS



EQUIPMENT ALARMS

40K

COOLERS &
FREEZERS
OPTIMIZED

1.5B

KWH IN
ENERGY
SAVED

20+

YEARS
PROVIDING
SOLUTIONS

40%

AVERAGE
REDUCTION
IN ENERGY USE

WHAT SETS NRM APART? Our small-business approach to big-business problems. Each of our sales, support, and installation teams are comprised of in-house, licensed NRM employees. Our hardware and software are designed, tested, manufactured in, and shipped from our Canton, MA-based facility.

The implementation of NRM's solution is a true turnkey process and requires "zero finger lift" from you. With transparency and courteousness, we manage the project from idea to install. First, an Energy Advisor comes on-site to identify the areas to benefit from optimization, and then our team of engineers develops a custom outcome for your business. We also look for any utility-sponsored incentives to reduce the upfront cost of the project. The physical installation can be performed without interrupting your normal business operations, and all of our installers are factory-trained technicians. NRM is always here for training and support, with a 24/7 technical help line.