



Stonyfield Farm, Inc.



SUMMARY

Competitively selected to complete an energy assessment, Stonyfield Farm (Stonyfield) had ADI identify opportunities to save energy dollars and to create a uniform platform to manage their existing equipment. Originally founded as an organic farming school in 1983, Stonyfield is a rapidly growing organic yogurt maker located in Londonderry, New Hampshire.

Project Size: \$517,000

SERVICES

- Energy savings analysis
- Upgrade / replacement of outdated Refrigeration Master Control System
- Energy management controls integration
- Design-Build package
- Start-up and commissioning
- System programming and tuning support

MEASURES

- Compressor and water pump VFDs
- Water Pump VFDs
- Refrigeration Energy Management System
- Advanced data logging / trending package
- Dynamic Compressor Staging
- Floating suction pressure control
- Floating condenser pressure control
- Advance fan cycling
- Flexible defrost queue

UNIQUE VALUE TO CUSTOMER

Stonyfield Farms has a 2,000 ton ammonia refrigeration plant to serve their refrigeration and cooling needs that was operated by an outdated control system. The refrigeration plant consists of seven ammonia compressors and an extensive network of glycol and chilled water systems. ADI consolidated and modernized the entire control system into a single platform which gave Stonyfield better process control and a way to identify and capture energy savings.

ADI's key to the successful implementation was the careful pre-planning of control integration and cut-over. There was minimal interruption of service.

Subsequent system tuning and trend analysis by ADI engineers and Stonyfield system operators provided additional savings above the projected baseline savings. As anticipated, the advanced trending and data logging capabilities of the system are proving to be a catalyst for greater follow-on energy savings projects.