

Logix Controls Innovators in Refrigeration Energy Management

Food processors and cold storage warehouses have always been challenged to manage their considerable power requirements while maintaining product output and quality. No two of these large, purpose-built plants are alike which limits “one size fits all” energy management solutions. More recently, mounting regulatory obligations for ammonia refrigerant, evolving energy management utility programs and a scarcity of trained refrigeration operators have added to the complexity. This niche area needs experts in the likes of Logix Controls. “We bring 28 years of experience to the table,” says Mark Ghan, the General Manager of Logix Controls. “We are at the forefront handling problems in the refrigerant energy management sector and are able to deliver a solution even before the industry is faced with such issues.” Leveraging its prowess to tackle the specific challenges in refrigeration energy management by providing cost-effective solutions to boost plant productivity is what sets Logix Controls in a league of its own. The company has earmarked a reserved spot for itself in delivering its collective experience in industrial refrigeration to the food and beverage industry, including food distribution warehouses, wineries, and dairies to name a few.

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Logix Controls provides energy management dashboards that enable remote interaction, done through standard facility PC networking technologies. The dashboard displays key performance indicators (KPI) that provide deep insight into the customer facility’s operations by taking snapshots of the entire system every fifteen minutes which gets saved

to multiple computers. Customers can monitor the plant along with the real-time energy consumption data that further helps with plant optimization now or further automation initiatives down the line. In addition to providing a visual representation of the operating environment, the dashboards are designed to send configurable alarm notifications through e-mail. It indicates any drop in the efficiency upon when the concerned personnel can take quick and necessary action.

The facility monitoring data that is generated can be pushed to any corporate enterprise level database for in-depth analysis and is also open to any technical IT mechanisms for backup of the data. Logix Controls also provides its customers with industrial-toughened control hardware and sensors to deliver long-term reliability and stability with minimal maintenance. And when the unexpected hits, Logix provides ongoing around-the-clock support by expert energy and refrigeration engineers, insuring facility down time is minimized. Ongoing updated and training round out a long-term commitment to ensure consistent top-notch performance of the plant. “We don’t just install our product and leave; we are always available to support our product for our customers,” adds Mark.

A large seafood processing customer, with a cold storage facility, was struggling with very high processing loads that they wanted to maximize even further. Unfortunately, they lacked sufficient refrigeration capacity to meet demand. So they approached Logix Controls that rose to the occasion with its smart solution and team of seasoned experts. When the production loads of the plant increased, Logix Control’s system was able to optimize and shed the cold storage loads successfully in favor of value-added production.

Logix Controls has recently rolled out a new standalone product called the Agility which can be used as a simple building block and can be scaled by customers as and when their budgets grow. It has individual equipment controllers that are ready to be integrated into the plant’s energy management systems. Logix Controls is also focusing on large production plant automation and recently made enhancements in their technology to bring efficiency and off-the-shelf standardization to its large processor customers. The company looks to evolve with time and use all its known “tricks of the trade” to provide value and cost-effective solutions. **CR**



Mark Ghan