



# Food Manufacturer Tops 80% In Energy Savings With Smarter IoT Solutions

## PROJECT OVERVIEW

Rich's Foods was looking for lights that would cut energy costs while also tracking data. Rolled out in two phases, this retrofitted system, upgraded with a Daintree Enterprise control system, offered a comprehensive IoT solution to energy management.

SBT Alliance's Glued Solutions innovative system deployment as well as ongoing system support and optimization services also provide Rich's Foods with the capability to grow the system as the company grows. A malleable solution means the client will be proactive when they are ready to manage multiple facilities across their portfolio.

## THE PROBLEM

Rich's Foods needed a practical solution to reduce their energy bills at their Union City, CA facility. They also were not able to effectively track consumption of energy and other resources in real time - much of their resource management tracking was reactive, typically relying on utility bills that came in thirty days or more after usage occurred.



**Reduce Energy Costs**



**Track Energy Consumption**



**Improve Light Quality**

## DEPLOYING SMARTER IOT



## THE SOLUTION

Partnering with Graybar - the country's leading wholesale distributor of electrical products - SBT Alliance and Graybar engineers created a custom retrofit project for Rich's Foods that tackled the first of their challenges: high energy usage. The project resulted in the installation of high-efficiency LED retrofit board kits to keep material costs low throughout their 150,000 square foot factory floor as well as in offices and hallways.

For advanced controllability, Graybar and SBT Alliance opted for the Daintree Enterprise control system, since versatility and the ability to monitor energy savings were important to Rich's Foods.

Phase three of the Rich's Food and SBT partnership takes the Internet of Things to the next level and tackles the client's water sanitation process to ensure factory equipment stays clean and safe... and Rich's Foods will have the data to prove it.

# THE RESULTS

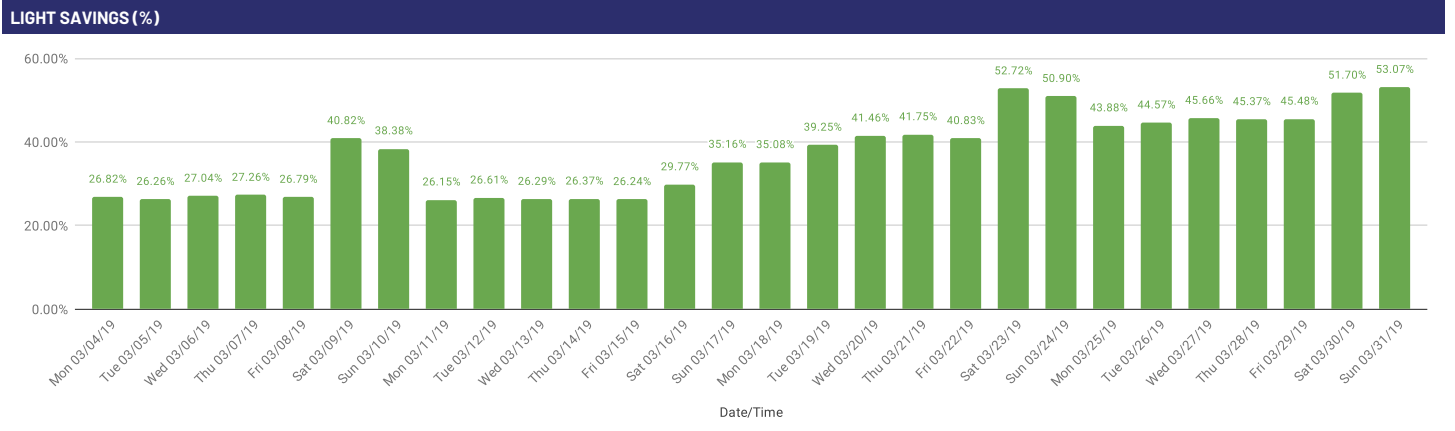
After collecting data during the first two weeks after installation, SBT Alliance system engineers toured the plant with Graybar and Rich's Foods, analyzed the results, and adjusted the lighting and control strategies, which resulted in extra savings – system optimization work at its finest.

Savings reached an average of 47.11 percent in week 4 – the equivalent of \$1,350 in energy savings. Overall, within its first month, this lighting retrofit saved Rich's Foods \$4,263. The retrofit allowed for a 50 percent kWh reduction, peaking at 80 percent once the Daintree Enterprise system was running.

Rich's Foods obtained an IoT-driven lighting solution and, through that discovery, found another part of their process that could be improved: their water sanitation system. Phase three of the Rich's Food and SBT partnership takes the Internet of Things to the next level and tackles the client's water sanitation process to ensure factory equipment stays clean and safe...and Rich's Foods will have the data to prove it.



Energy Usage and Saving Report Report Time: 04/02/2019 01:54 PM Data from 03/04/2019 12:00 AM to 03/31/2019 11:59 PM



The initial install saved an average of 30.48 percent on lighting savings in its first week, and an additional control savings of \$873. Savings only increased from there.



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