



Service/Product Provider

Cascade Energy Engineering

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Business: Industrial Energy Efficiency
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Industrial Partner

J.R. Simplot Company

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Business: Agribusiness
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Cascade Engineering identifies \$1,000,000 in electrical savings at Simplot facilities.

Project Scope

Simplot and Cascade have joined forces on 14 detailed energy studies at 9 facilities over the past 10 years. Cascade evaluated refrigeration, compressed air, hydraulics, pumping systems, processes and controls at both existing and new facilities. Simplot implemented 7 of the largest projects to date, capturing well over half the identified energy savings.

Project Summary

Cascade provided facility scoping, energy analysis, project costing, design assistance, commissioning and final inspection services on these projects. With Cascade's help, Simplot was able to implement projects with confidence using investment-grade savings and costs. Cascade worked within local utility energy programs to obtain study co-funding and implementation incentives for Simplot.

- **Energy Savings**
\$715,000/yr or 21,000,000 kWh/yr captured to date (\$1,000,000 or 36,000,000 kWh/yr identified)
- **Investment**
\$950,000 to date (\$2,000,000 identified)
- **Financial Return**
3-year simple payback on implemented projects
- **Other Benefits**
Increased facility productivity and elimination of major O&M bottlenecks

Monitoring & Verifying Energy Savings

Commissioning and final inspection was performed after implementation. Commissioning ensures maximum savings from the project by tuning the system or process to operate at peak efficiency. Final inspection confirms the completed scope of work and verifies the final energy savings based on post installation data.

Distinguishing Value

"The highly professional engineers at Cascade Energy fill a void in the industrial efficiency marketplace. They offer Simplot unbiased third-party advice, analysis and follow-through. They have formed a tight partnership with Simplot, with the shared goal of generating efficiency gains from all systems and processes. Simplot and Cascade continue to partner on energy efficiency projects." - Simplot