



PROJECT SCOPE

Economic Analysis
and Business Case
Justification

Dimming LED
Lighting Retrofits

Title 24 Compliance

Granular Control
Networking

Energy Management
Dashboarding

RESULTS

\$126,000 – First Year Energy
and Maintenance Savings

70% Lighting Energy
Use Reduction

65% Return on Investment

Payback Period of 1.53
Years – IRR = 60%

100,000+ Hours LED vs
24,000 Hours T8 Fluorescent

IoENERGY HELPS SILICON VALLEY TECH MANUFACTURER WITH BAS UPGRADE RESULTING IN \$126K IN FIRST YEAR SAVINGS

PROJECT SUMMARY

Business: Multi-National Technology Manufacturer

Location: 365,000 Square Foot Engineering Complex Silicon Valley, CA

This Silicon Valley tech manufacturer produces microprocessors found in virtually every brand of cell phone and digital camera. They approached IoEnergy for a building automation system that would lower their utility bills and improve the building efficiency and lighting in their engineering complex. The update needed to be cutting edge, and provide data-enhanced building intelligence that the engineers would both benefit from and appreciate. Additionally, the implementation team needed help developing the business case for the CFO.

The project resulted in lower utility bills, improved lighting, and reduced lighting maintenance. More importantly, they now have access to granular “Big Data” on occupancy patterns, temperature, and energy consumption. The upgrade enabled participation in utility-sponsored demand response programs and was financed in part by custom utility rebates.



“It looks so much better in here! Our engineers have been very curious about the new system and we’ve held a forum for them to describe the merits and economics of the project along with the IoT capabilities of the new lighting system. It went very well—we’re more than satisfied. We’re planning to work with IoEnergy to add this to our other US facilities.” - Tech Company Representative

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