OEM MANUFACTURING

Making Power with Solar

San Diego, CA

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CHALLENGE

The owners of OEM Manufacturing were looking for ways to lower operations costs of their machine shop in sunny Southern California. The building's rooftop provided a perfect solution with all the sunshine that it receives annually.

SOLUTION

HES Renewables designed a 69-kilowatt commercial solar system sized to offset 100% the manufacturing facilities' energy needs. 192 solar panels were installed to perfectly retrofit onto the rooftop with its skylights and vents.

CUSTOMER BENEFIT

The solar machine shop can now benefit for decades with an estimated $1,204,267 in electric bill savings over the first 30 years of renewable energy production. The investment offers an incredible return on investment of 591.8% over that 30-year period. The company was able to receive great tax credit and depreciation incentives such as the Investment Tax Credit (ITC), the Federal Bonus Depreciation, and the California MACRS Depreciation, which help the system deliver a quick payback period of just 3.5 years.

QUICK FACTS

69.12 kW	Total System Size
100%	Annual Electricity Offset
$1,204,267	Estimated 30-Year Electric Bill Savings
3.5 years	Payback Period
591.8%	Estimated 30-Year Return on Investment

"It's incredibly rewarding to bring energy cost savings and increased operations cost predictability to more and more businesses. As utility rates climb, solar's overall value only increases. The payback period on a commercial solar system is impressively quick, allowing solar projects to provide a strong Return on Investment and then continue to deliver tremendous cost savings for decades. A commercial solar system is one of the best investments a company can make."

-Wenjie Chen, Vice President, HES Renewables

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