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CASE STUDY

Parking Garage, San Francisco, CA

The Situation

The SOMA Hub garage in San Francisco is a self-park garage managed by City Park for the building owner. When City Park assumed management of the garage, they were very interested in the benefits of converting the garage lighting to LEDs. Converting all of the lighting to LED-based lighting would produce immediate and significant savings. In addition, the fluorescent tubes inside the garage would darken as they aged, which reduced the quality of the lighting in the parking garage.

After

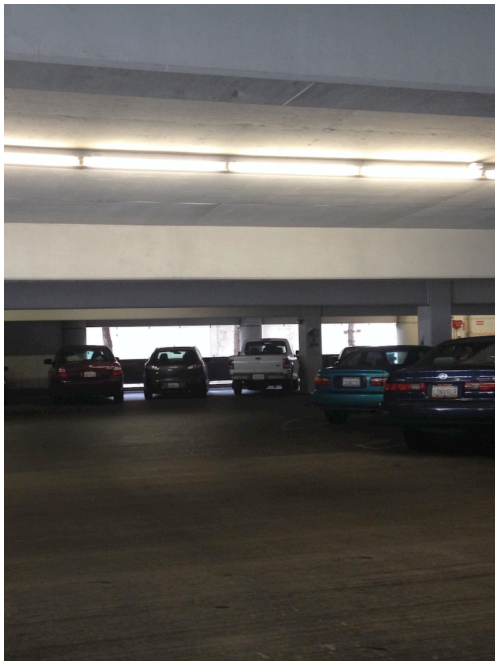
The Solution

Because of their interest in saving money, improving the quality of the garage lighting, and the benefits of the long rated life of LED lighting technology, City Park considered the financial scenario offered by LED Light Technology that would produce a 55% reduction in power consumption, eliminate maintenance expenses, lower their carbon footprint, and increase light levels inside the garage.

LED Light Technology proposed to convert the fluorescent tubes to LED tubes, replace all orange-tinted HPS bulbs with LED bulbs, and replace the HID bulbs with LED bulbs. The existing ballasts would be disconnected, as the LED lamps do not require a ballast.

The proposed payback period was 13 months and maintenance expenses were eliminated for almost 6 years. The capital expense to convert the 850 car garage was approximately $95,000.

Installation of the LED lamps was on a one-for-one basis and no new conduit or wiring was required to install the LED lamps.



Before

The Result

Over $440,000 in total savings.

Electricity savings of over $44,000 per year (238,000 kWh/Yr).

Over $84,000 in overall annual savings.

No maintenance expenses or work for almost 6 years.

Increase in light levels of approximately 30%.

Owner's return on investment of 465%

LED Light Tech

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