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DELTA
CONSTRUCTION & ELECTRIC CO.

CASE STUDY

CLIENT

Delta Construction & Electric Co

PROJECT

Higher Ground-Baldwin Park, California

Baldwin Park Solar LED Parking Lot Light System

Baldwin Park is located in the central San Gabriel Valley region of Los Angeles County, California.

Although the overall [crime rate](#) is only slightly higher than the average US city, there are pockets of high crime where vandalism and theft are a major problem. Higher Ground, a local business located in one of

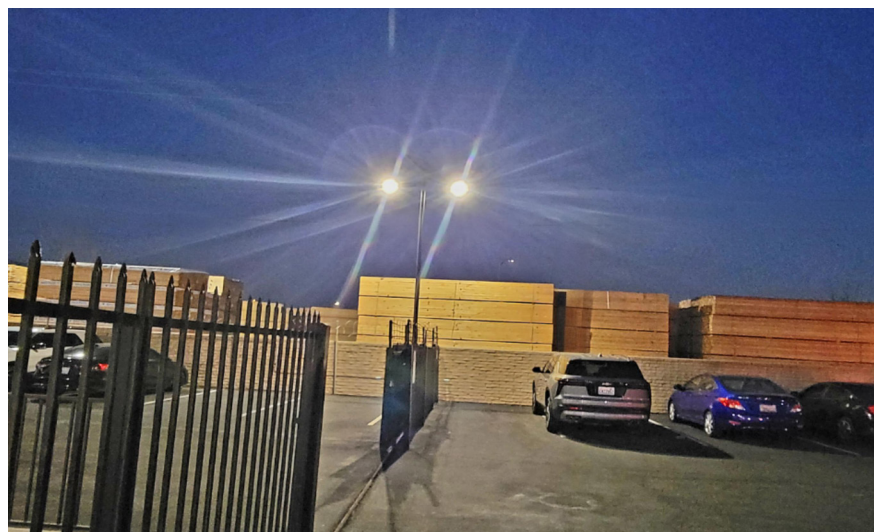
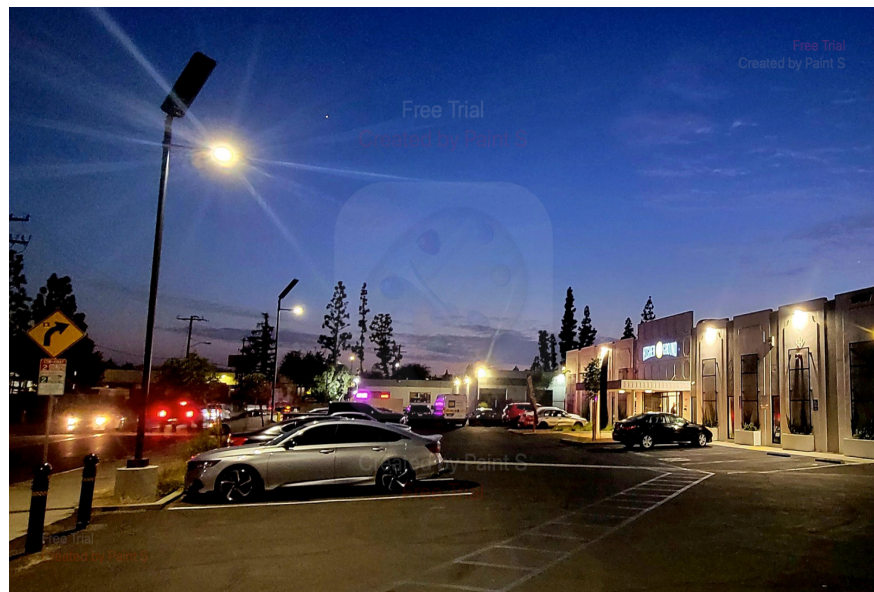
these pockets contracted Leadsun through [Delta Construction & Electric Co](#) to supply security lighting for their retail outlet and adjacent warehouse.

Seeing the Light

Previously, the parking lot in front of the Higher Ground retail premises as well as the adjacent warehouse had no external lighting. The area felt unsafe and crime was an on-going concern.

Surveillance was one way of tackling the problem, but research has shown that better public lighting can reduce crime too. An independent study by the Campbell Collaboration, a global team of researchers and policy makers, has shown that improved street lighting can reduce crime by as much as 21 percent. Remarkably, the study showed that it can even reduce crime during the day!

Significantly, as well as actually making public spaces safer, better lighting also makes people feel safer too.



Reducing crime with better lighting

Delta Construction & Electric Co. Installed seven Leadsun AE3C and AE6 Solar led parking lot light systems, including security lighting near the warehouse roll-up doors and rear entry gate.

To mount the lights, 20ft round steel poles were embedded in concrete. "As far as solar parking lot projects go, this was not a particularly complicated one," said Leadsun Office Manager, David Pineda.

"Although there was no previous lighting system or infrastructure for us to make use of, the project required no trenching or cabling because each of our lights is equipped with its own on-board solar engine including solar panel and battery."

To conserve power, the lights were programmed to turn on at 30% brightness from Dusk until Dawn. When motion is detected, they switch to full brightness ensuring there is always enough light when it's needed most.



Solar Parking Lot Safety

The new lights have improved visibility and safety for customers and act as a deterrent to vandals and thieves.

Summing up the project afterwards, David said, "the lights were quick and easy to install and have no on-going electricity costs. Once the poles are in, we can finish the installation in under a day and turn the lights on that night. It's fast, efficient and effective. That's why I tell people these are simply the best commercial solar parking lot lights out there. Another bonus is that there's no copper cabling, so these lights aren't at risk from copper theft which has become a major problem in and around LA lately."

Parking Lot Lighting Products Used

Solar module series	AE3 / AE6
Solar size	90W PV / 200W PV
LED output	30W / 60W
Programming	30% - dusk-to- dawn 100% - with motion
Pole Type	Custom 20-ft Round Steel Poles

Lighting Applications

- solar parking lot lights
- solar area lights