

SOLAR PARKING LOT LIGHTING

Improves coastal parking lot safety in
Pismo Beach, California

LEADSUN
Limitless Light. Beyond the Grid.



Project Snapshot



Location

Pismo Beach, CA



Application

Municipal parking lot and
pay station lighting



Systems Installed

2 LeadSun solar
lighting systems



Technology

Mono360 Ultra + AE3
with EDGE monitoring

Project Implementation

Leadsun Solution

LeadSun delivered a decentralized solar lighting solution for the City of Pismo Beach under the Evolumn pilot program, evaluating off-grid technology for a municipal parking lot where unlit pay stations left users with poor visibility at night. Sited a quarter-mile from the Pacific, the installation demanded corrosion resistance against constant salt-air exposure. Two systems were deployed – a Mono360 Ultra with bell-shaped luminaire and an AE3 All-In-One – both running 30W LEDs with PIR-based adaptive dimming. Hot-dip galvanized, black powder-coated steel poles paired with corrosion-resistant foundation hardware for coastal durability. The EZYFoot pile foundation eliminated concrete pours, enabling rapid installation within an active parking facility and minimal site disruption. EDGE wireless monitoring provides remote performance analytics and proactive maintenance. Completed on schedule, the pilot proved solar lighting viable for future municipal deployment across the city.

Project Impact

- ✓ Illuminated previously dark parking pay stations
- ✓ Improved nighttime visibility and user safety
- ✓ Installed without trenching, conduit, or utility connection
- ✓ Dual-layer corrosion protection for coastal salt-air exposure
- ✓ EDGE wireless monitoring enables remote diagnostics and maintenance

System Performance

Coastal Corrosion Protection: Hot-dip galvanized, black powder-coated steel poles and corrosion-resistant hardware engineered to endure salt-air exposure a quarter-mile from the Pacific Ocean.

EDGE Wireless Monitoring: Remote asset monitoring delivers real-time performance analytics and diagnostics, enabling proactive maintenance and reducing long-term operating costs.

Foundation-Free Installation: EZYFoot pile foundations eliminated concrete and trenching, enabling rapid deployment within an active public parking lot with minimal disruption.