

Volvo LIGHTS Case Study

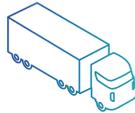


As the nation's demand for goods continues to reach record levels, our cities are facing an increase in congestion, noise, and air pollution. The Volvo LIGHTS project will demonstrate the ability for heavy-duty, battery electric trucks and equipment to reliably move freight between Los Angeles' two major ports and inland warehouse facilities with less noise and zero emissions.

Volvo LIGHTS Project by the numbers



16 Public & private organizations collaborating



23 Battery Electric Heavy-Duty Trucks



29 Battery Electric Equipment



58 Public & Private Chargers



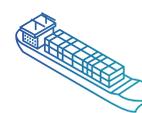
2 Electric Truck After Market Service Centers



2 Colleges Designing Electric Truck Maintenance Programs



1.8 Solar Energy Generation million Kw



2 Ports Providing Infrastructure Planning

How Will Electric Trucks Benefit Our Communities?



Reduced Air Pollution

Providing considerable public health benefits



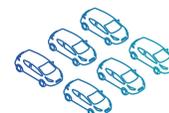
Cutting-Edge Job Training

For vehicle technicians, charging infrastructure construction, and more



Climate Protection

Due to zero tailpipe emissions and the reduction in fossil fuel use



Less Congestion

From being able to make deliveries at night with much quieter truck engines



Better Truck Driver Experience

Due to a quieter ride and no exposure to fuel or exhaust fumes



greenlots
A Member of the Shell Group



By combining networked chargers with vehicles' own telematics, Greenlots' innovative software platform will help increase grid resiliency, while ensuring that reliable and affordable energy is available to power the Volvo LIGHTS fleet vehicles and equipment.

As our transportation moves towards electrification, fleet operators have a lot more to consider than just purchasing vehicles. They must also develop a charging solution that fits the needs of their operation today, with the ability to scale as their electric fleet grows.



Load Management

Greenlots' smart charging and optimization solutions can dynamically respond to building load requirements, ensuring that the EV load does not exceed the building capacity while still making it easy for vehicles to charge. The software can automatically shift vehicle charging times at multiple site locations and prioritize charging of vehicles based on range or schedule needs.



Demand Response

If a fleet operator's facility is about to reach its peak energy usage, Greenlots' software will automatically adjust the rate and speed of vehicle charging to avoid hefty peak demand charges. Greenlots can also help mitigate costs by tapping into a facility's onsite solar and energy storage.



Volvo LIGHTS (Low Impact Green Heavy Transport Solutions) is part of California Climate Investments, a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy and improving public health and the environment - particularly in disadvantaged communities.

www.caclimateinvestments.ca.gov



Do you want to learn more?

Contact us at
+1 818 288 57 43 or info@greenlots.com



greenlots
A Member of the Shell Group