



# SAN LEANDRO TECH CAMPUS

Case Study

# San Leandro Tech Campus

The San Leandro Tech Campus (STLC) is a LEED Gold facility in the Bay Area that was designed with a primary focus on resource conservation and energy efficiency. To further innovate and accelerate their focus, the company moved forward in installing EV charging stations on their campus.

Ten electrical conduits were built into the parking garage deck as part of the original construction of the campus, which made for an easy EV charging installation.

Despite conduits being installed during construction, there were no EV charging stations actually installed when the campus opened. The first tenants of the

large office building began requesting EV charging as soon as they moved in. They saw an opportunity after noticing dozens of EVs commuting to their facilities daily within their 225,000 square feet of parking lot.

After speaking with many different vendors about the best EV charging solution, it became clear to OSISOFT, a tenant of the tech campus, that PowerFlex was the best option based on its load management, scalability, and low cost of installation.

PowerFlex checked all the boxes OSISOFT was looking for including detailed monitoring of energy data for analysis – a core competency of PowerFlex's product offerings.



After speaking with many different vendors about the best EV charging solution, it became clear to OSISOFT, a tenant of the tech campus, that PowerFlex was the best option based on its load management, scalability, and low cost of installation.

---

## Putting a plan into action

PowerFlex designed the layout for all of the charging infrastructure and managed the entire permitting process as well. This reduced the need for the tenant to oversee the project themselves and allowed PowerFlex to move quickly and efficiently throughout the process. This is one of PowerFlex's key product offerings; turnkey support throughout the entire project.

After obtaining final approval from Westlake Urban, the owner of the tech campus, PowerFlex submitted the plans themselves to the city of San Leandro. Permitting for EV charging stations can be tricky and requires a high level of detail to ensure that all aspects of the construction process meet the city's requirements. While this can easily hold up a project by weeks or months, PowerFlex has a strong track record working with authorities who have jurisdiction all over California. Due to this expertise, the permit was quickly approved after the first round of reviews.

"We had the permit within two weeks and the city let us know how excited they were that we were installing so many charging stations. It makes a world of difference working with cities that understand what we are doing and provide a quick response so we can better service our customers and get people charging their vehicles as soon as possible," explains George Lee, Senior Vice President at PowerFlex.

*"The San Leandro Tech Campus (SLTC) had a great experience working with PowerFlex in the installation of 39 chargers on the SLTC campus garage. From the start, the PowerFlex team was professional and competent. We had various stakeholders on the SLTC side that had quite a few questions about the process, and how the system would work with drivers, PG&E, and payments. PowerFlex patiently answered all our questions, always provided information quickly, and oftentimes would show up personally to make sure all our questions were addressed.*

*The installation of the chargers went smoothly, and the contractors they used were professional and neat, including meeting all the concerns posed by our campus security personnel. Once the chargers were installed, PowerFlex was very responsive around the driver's charging experience and would respond to customer support to driver's emails quickly.*

*We were very interested in the data produced by the chargers, and PowerFlex was accommodating there as well, providing us access to the EV charger's data API, and helping us through any issues/queries."*

*Rachna Handa  
Technical Product Manager  
OSIsort, LLC*

PowerFlex had its construction team begin the process of installing the stations immediately after receiving the permit. The process took three weeks for the 39 level-2 charging stations to be installed. To plan for future demand, PowerFlex recommended that the campus both install more stations than originally needed as well as opt for a larger transformer and electrical panels to allow for easy additions in the future. This is highly recommended for high-demand parking garages and helps customers save on future infrastructure costs as EV adoption continues to grow rapidly.

Understanding the financial benefits of planning ahead, the customer agreed to upsize the equipment and now they have the capacity to install as many stations as they want going forward using PowerFlex load management technology.

**In the first six months of operation, the charging stations at the San Leandro Tech Campus delivered over 30 megawatt hours of energy to electric vehicles or the equivalent of roughly 90,000 miles of driving and offsetting over 30 tons of carbon dioxide.**

“We always keep future expansion in mind when we do installations at large parking facilities. With EV adoption accelerating year after year, it is likely many more stations will be needed at the tech campus in the near future without expensive infrastructure upgrades,” says Lee.

30 MWh HOURS OF ENERGY  
IS EQUIVALENT TO...



90,000

MILES OF DRIVING



30

TONS OF  
CARBON DIOXIDE  
OFFSET

## CONCLUSION

The San Leandro Tech Campus won't have any problems meeting the demands of the future when it comes to EV charging with PowerFlex sustainably engineering the way.



This case study was written by Max Wilcox, Business Development Manager at PowerFlex.

Max has eight years of project management experience in the electric vehicle industry. To help catalyze the adoption of electric vehicles, he has been

working and focusing on charging infrastructure teams for the last three years. Max began his professional career at Tesla before moving on to PowerFlex to implement the company's adaptive load management technology, which provides customers with the ability to install charging stations at a mass scale.

For more information, contact us at:



(650) 469-3392



[info@powerflexsystems.com](mailto:info@powerflexsystems.com)

## ABOUT POWERFLEX

PowerFlex Systems created Adaptive Load Management (ALM), a software algorithm that optimizes power consumption across a large network of charging stations.

ALM optimizes each station's output to meet user demand while only using a fraction of the aggregate power traditionally required. This allows businesses to shave as much as 60% off the cost of electrical system upgrades and peak demand charges, paving the way to larger and more affordable charging networks that ultimately meet or exceed the adoption pace of electric vehicles.

Founded in 2007, PowerFlex delivers turn-key solutions for workplace electric vehicle charging solutions, from startups and high schools to Fortune Global 500 companies. The company has deployed over 2,000 charging stations across California providing customers with large-scale EV charging at lower cost.

