SWTCH

SWTCH Control™

Intelligent Load Management for busy properties

The intelligent real-time energy manager and asset monitor that takes care of your EV charging system, so you don’t have to.

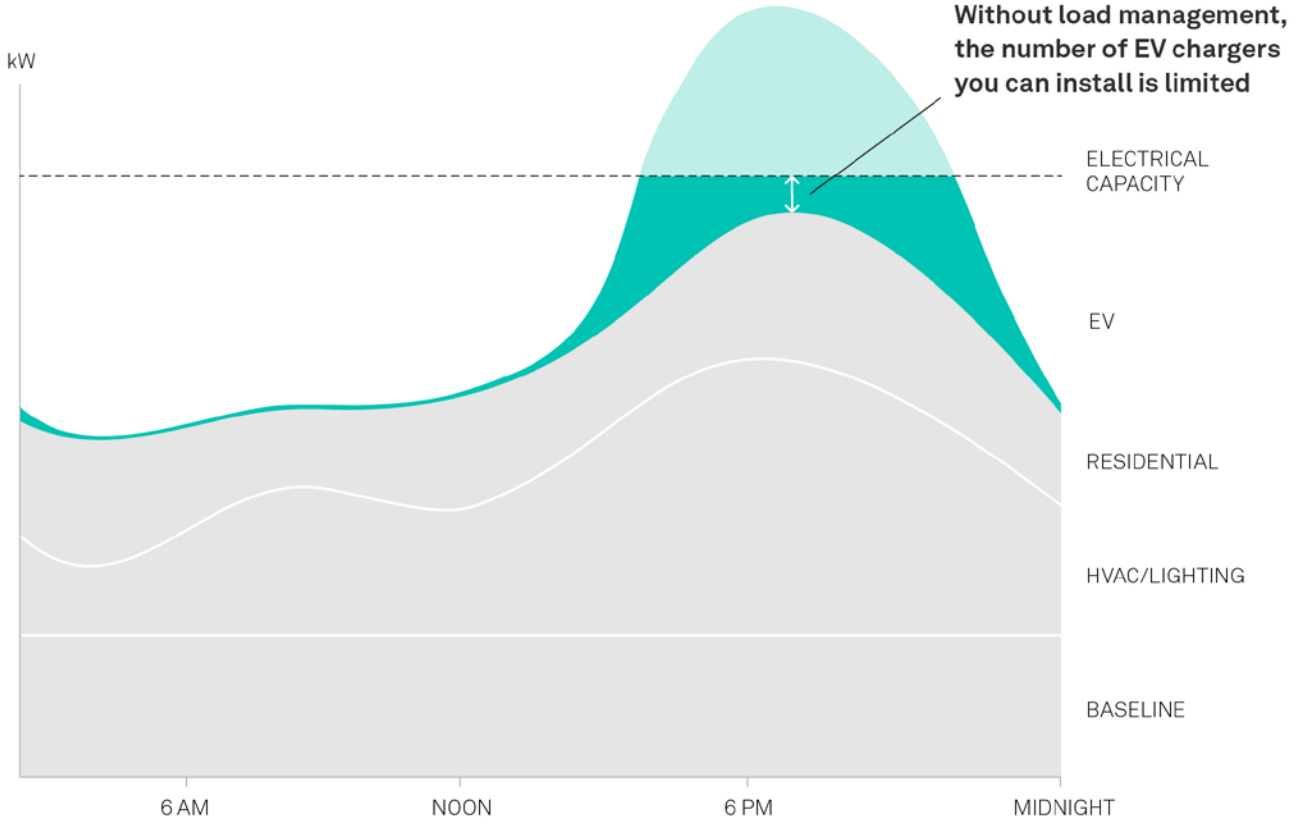
As electric vehicles grow in popularity and new policies emerge requiring multi-tenant buildings to be “EV ready”, developers and building operators are faced with the necessity to provide access to EV charging.

Smart load management is the single most powerful tool available to manage energy demands from EV charging while minimizing the additional cost of electrical infrastructure upgrades.

Load Management is a necessity for EV charging at multi-tenant properties

In an ideal world, every parking spot would have an EV charger, however, cost and capacity considerations tell us that's not realistic. More realistically, the goal is to provide charging for all EV drivers so their vehicles are fully charged by the morning.

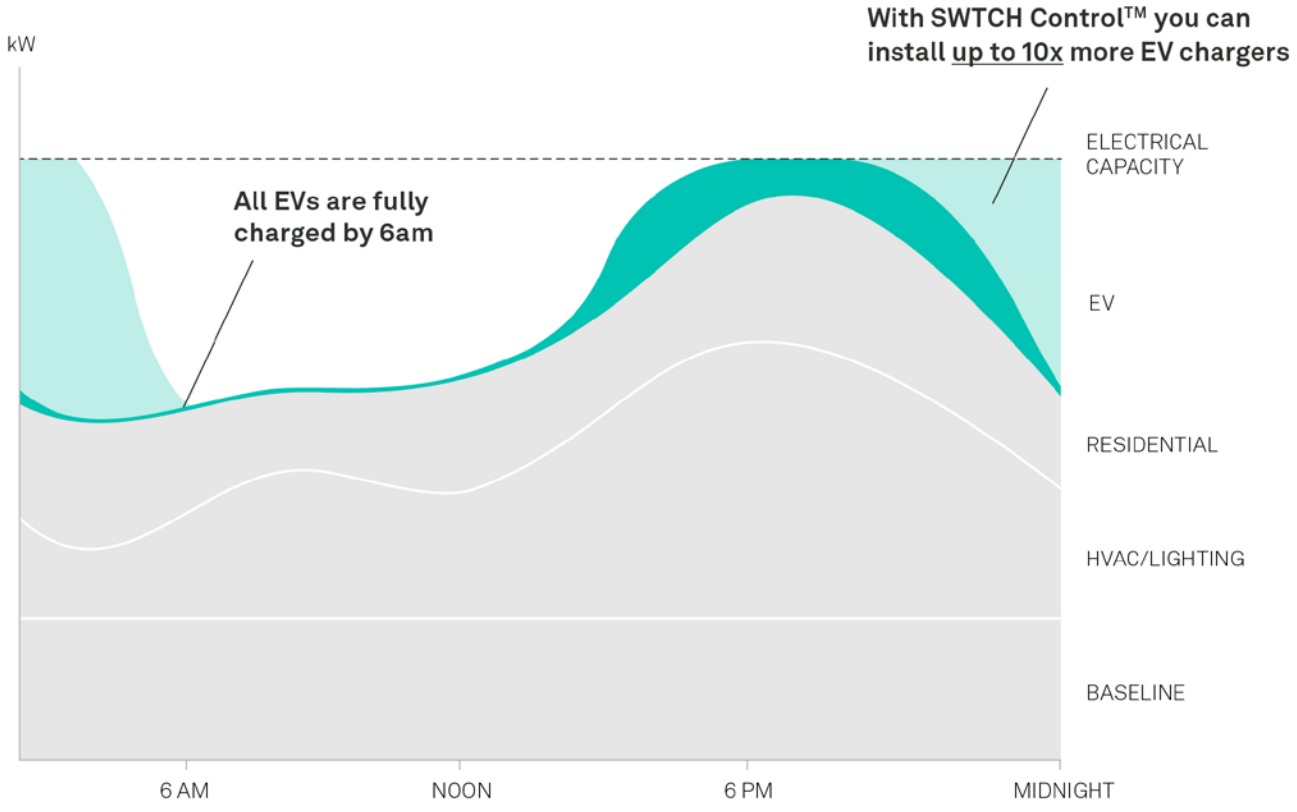
Without load management in place, your EV charging system will be designed assuming that all chargers are on at the same time to ensure your electrical system isn't overloaded. This severely limits the number of chargers you'll be able to install on your existing infrastructure:



SWTCH Control™ keeps costs down and EVs charged

To mitigate substantial infrastructure costs, you need to effectively manage when charging happens.

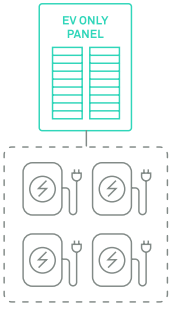
SWTCH Control™ does exactly this by redistributing energy from the peak hours (most commonly between 5pm and 10pm on weekdays) to the quieter periods throughout the night and early morning – allowing more chargers to be installed while ensuring all EVs are charged and ready to go by morning:



Configurations that maximize your available capacity

Through our initial assessment of your electrical system and energy load profile, we will design and recommend one (or a combination) of our energy management configurations - maximizing the available energy capacity of your circuit, panel, or property to satisfy the demand for EV chargers, today and in the future:

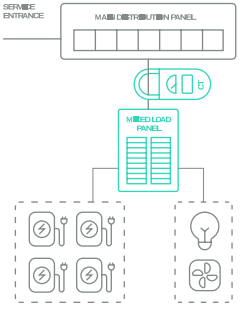
Dedicated EV panel



For properties that have a circuit or panel dedicated to EV chargers, SWTCH Control™ will allow multiple chargers to be charging simultaneously while staying under the allowable limit of the circuit/panel.

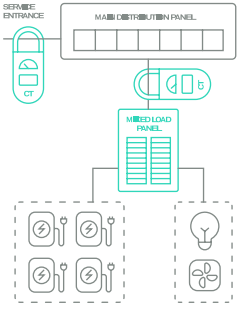
This configuration does not require the installation of electrical sensors.

Mixed load panel



If looking to utilize excess capacity on existing panels which have other loads, we'll install electrical sensors to take advantage of the available capacity at every moment in time. This enables even more chargers to be installed to avoid additional infrastructure costs.

Comprehensive building monitoring



For those concerned about demand charges or keen to participate in utility demand response programs, we'll install additional sensors that understand the load on the entire building, charging the EVs only when capacity limits aren't a concern.

We've done the work, so you don't have to.

At SWTCH, we're continually raising the bar on the efficacy of integrating EV chargers seamlessly into the existing electrical infrastructure of all types of buildings – from retrofit apartments to condo and commercial properties.

SWTCH

Connect with us.

Let's get started with a complimentary consultation. We'll walk you through the ins and outs of EV charging and ensure you get the right system for your property.

Email us today at sales@swtchenergy.com.

SWTCHENERGY.COM