

## NEW ZEALAND

### Standards New Zealand (NZSO)

#### Leading the way on electric vehicle use at commercial premises

##### Overview

With around six hundred new electric vehicles (EVs) registered each month, the uptake of electrified cars is continuing to gather pace in New Zealand. While most of these vehicles are for residential needs around metropolitan areas, more businesses are also turning to EVs for their commercial fleets. An increase in commercial adopters will undoubtedly have a growing and positive impact on the environment and contribute to New Zealand reaching its goal of a carbon-neutral public sector from 2025.

New Zealand's national decarbonization strategy requires a concerted effort by industry, consumers and government. Part of this involves increasing the EV charging network across the country to provide better assurance, and encouragement, to new and potential EV drivers. Published by Standards New Zealand (NZSO), the publicly available specification SNZ PAS 6010:2021, *Electric vehicle (EV) chargers for commercial applications*, offers best-practice guidance on how to specify and select commercial EV chargers for plug-in type EVs, and how to optimize for safe and efficient charging of vehicles at commercial premises.

##### Outcomes and benefits

Designed to become a single touch-point document where all relevant general EV charging information is contained, SNZ PAS 6010:2021 gives practical guidance on cable connections, charging procedures and types of chargers available to optimize energy efficiency in commercial installation settings. It delivers best practice for all potential commercial applications such as car parks, apartment buildings and stand-alone publicly available chargers. Providing easier access to information also makes it less daunting for businesses and premises to install EV charging facilities once they know where to start.

Publicly available specifications are not mandated. Instead, they offer advice towards building an accessible charging network.

## Partners involved

Commissioned by New Zealand's Energy Efficiency & Conservation Authority (EECA) and developed through Standards New Zealand, SNZ PAS 6010:2021 was prepared by representative experts from the motor industry and transport sectors, electrical engineering, energy retailers, WorkSafe, Waka Kotahi NZ Transport Agency, EECA and the Electricity Authority.

## Timeline

Encompassing the know-how of a broad group of stakeholders, SNZ PAS 6010 was 18 months in the making before it was published in May 2021.