

# EV CHARGING DYNAMIC CAPACITY



## PROBLEM

The prevailing growth in EV sales is posing significant challenges for the development of the required charging infrastructure and its connection to already-strained grids. The most effective business models for charging infrastructure provision at destinations (leisure, workplaces, retail), on truck transport routes and for commercial vehicles need to include integration and flexibility in the grid and market. This needs to leverage the advances made in flexible grid integration and management tools already used for other low-carbon technologies. EV charging infrastructure also needs to pair with solar PV, energy storage, and other flexible loads for a complete net zero carbon energy, transport and V2X strategies.

## SOLUTION

Flexible connections for EV charging infrastructure, powered by Strata Grid, includes many solutions to the EV charging dilemma including charging schedules, market and tariff based charge management, utility monitoring and control, and integration with on-site battery storage, PV and flexible demand. This capability allows for utilities to interconnect more EV charging infrastructure by remaining with the capacity of the grid by utilizing real-time monitoring and management.

## OUTCOME

Leveraging Utility DERMS monitoring and control capabilities with scheduling, grid flexibility services, and tariff-based business models provides utilities with a toolbox of solutions for EV charging integration into their networks.

## KEY BENEFITS

- **Monitoring and Control Capabilities**
- **Integration with diverse DER Devices**
- **Flexible Demand**

