

ADD DEMAND CONTROL TO ANY OCPP CMS!

EVauto delivers the first true OCPP Local Controller

EVauto[®]LC OCPP Local Control

EVautoLC solves your charging problems by reducing electricity costs and increasing flexibility

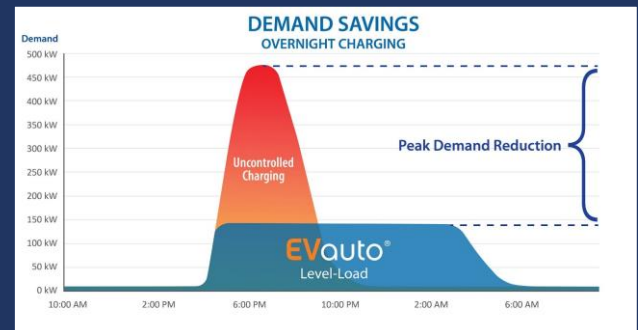
Problem: High electric bills

EVs are supposed to save money, but your electric bills suggest otherwise, even though you use a cloud hosted Charge Management System.

The utility representative blames the fleet's high demand peaks. When asked, your CMS can only suggest that you slow down all chargers or charge late at night. You need a better solution.

Solution: EVautoLC

EVauto's algorithms automatically manage charging to limit peak demand without impacting fleet readiness.



Problem: Limited Power

The EVs are ready, but your utility can't deliver all of the power that your fleet needs for 2+ years! You need load control so you can get the most out of the power available today.

Solution: EVautoLC

EVAutoLC acts as an Automatic Load Management System, limiting total power usage yet allowing fleet managers to meet their scheduling needs.

Problem: MicroGrid Support

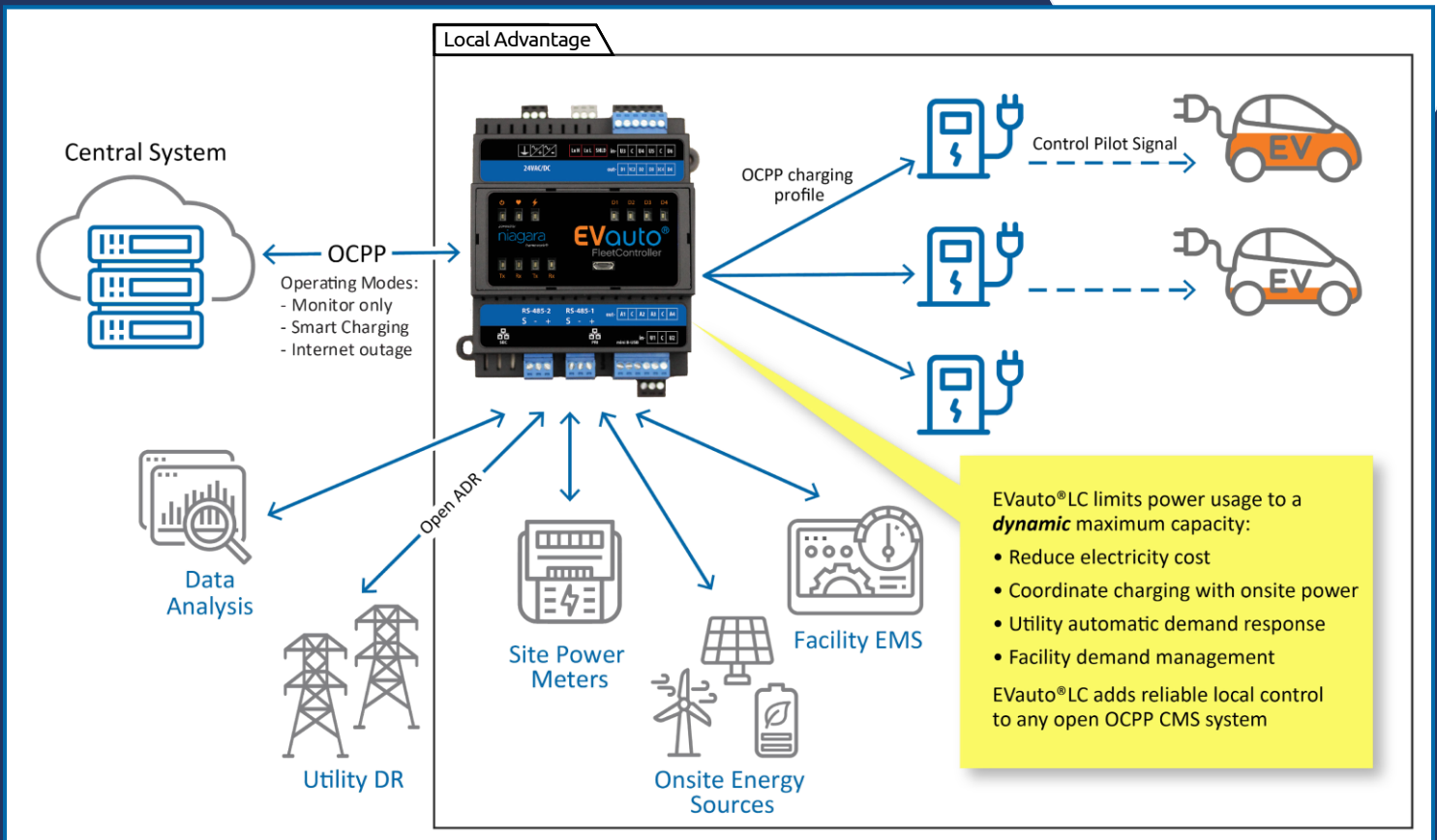
You want to incorporate onsite solar and battery storage, but your cloud hosted CMS can't integrate charging management with your MicroGrid Control System.

Solution: EVautoLC

EVAutoLC connects to any EMS to deliver advanced charge system monitoring, receive control commands, and integrate alternative power sources into EV charging.

More control, lower electricity bills, and a better bottomline.

OCPP Local Controller



EVauto[®]LC Deployment Options

- *Pass-thru* – Monitor charging data in real time
- *Smart* – EVauto Smart Charging savings
- *EVauto FleetManager* – Our Fleet CMS

Facility Demand Management Options

- *Offset* – Control kW to avoid demand peak
- *ValleyFill* – Control kW to flatten load curve
- *EMS* – Charge kW controlled by facility EMS

EVauto Charge Control Options

- *Focused* – User selectable charging order:
 - *Average* - Arrival, Departure, kWh
 - *Location* – Order by charging bay
 - *Import* – Order import from external system
 - *RFID Priority* – Charge order by user / type
 - *First-come First-serve*
- *Level Load* – Power shared to all charge points
- *BatteryHealth* – Optimize battery life
- *PowerOutage* – Increased kW to ensure charge

MicroGrid Operation Options

- *External* – Charge kW controlled by MicroGrid
- *MultiSite* – One kW setpoint for multiple locations

2023 NEC 750.30 Automatic Load Management

- Increase maximum load on limited circuits
- Increase capability and lower capital cost

Advance OpenADR Functionality

- Response based on entire facility demand
- Supports 3 levels of response
- Recalculates optimal kW after DR period ends

Real-time data

- *Site metering* – Monitor & trend kW, V, kWh, pF
- *Min kW* – Min. kW required to meet fleet needs
- *Max kW* – Max power if all connected CPs at full
- *Available DR* – Per OpenADR response level

Compatibility

- OCPP 1.6 (upgradable)
- Any open OCPP CMS / any open OCPP Charger

Communication Options

- *Modbus* – RTU, TCP
- *Bacnet* – MSTP, Ethernet, IP
- *MQTT, JSON, OPC-UA, Custom*
- *Database* – MySQL, Oracle, SQL

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