

EV FLEET MANAGEMENT SOLUTIONS

EV Charging Optimizer compared to remote and local solutions

The market comparison of EV Charging Optimizer (EVCO) versus purely local and cloud-based charging management is showing clear system, safety and operating advantages of EVCO






CHARGING AND ENERGY MANAGEMENT



	EVCO local & remote	local	remote
Real Dynamic: Consideration of the building load in real time	✓	✓	
Energy Management: Enables consideration of energy tariffs	✓		✓
Energy Management: Integration of local Distributed Energy Resources	✓	✓	
Efficiency: Phase optimization for full utilization of the grid connection	✓	✓	✓
Efficiency: Fast response time due to high sampling rate	✓	✓	
Scalability: Unlimited number of charge points that can be integrated into a system	✓		✓
Reliability: Charging management even in case of failure of a (hub) station	✓		✓
Reliability: Controlled charging in case of loss of data connection to the charging station (fallback)	✓	✓	✓
Reliability: Optimized charging management in case of internet connection failure	✓	✓	
Future Proof: Seamlessly integrate with Itron's utility ecosystem	✓		
Future Proof: Part of Itron's Distributed Intelligence eco-system	✓		
Future Proof: Real-time coordination with Itron smart meters for advanced use cases	✓		



MONITORING AND CPO

 EVCO
local & remote
  local
  remote

Aggregation Level: Aggregated display of all relevant charging data from multiple sites	✓	✓
Global Monitoring & Reporting: Remote access to all charging data of all sites	✓	✓
Notifications: Displays alert messages in case of charging station failures	✓	✓
Remote Control: Remote start, stop and restart of charging stations at all sites	✓	✓



SETUP, INSTALLATION AND MAINTENANCE

Manufacturer Neutrality: Charging stations of different manufacturers and types (AC & DC)	✓	✓	✓
Open Ecosystem: Connection to higher-level local energy management systems	✓	✓	
Open Ecosystem: Interface to third-party systems e.g. scheduling & routing software, fleet management	✓		✓
Installation: Easy installation due to standard components & remote commissioning	✓		✓
Maintenance: Remote maintenance and updates for charging management and charging stations	✓		✓



Scan code for more information or visit www.itron.com/EV

Contact us at EVcharging@itron.com

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