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	✔		

	EVCO local & remote	local	remote
MONITORING AND CPO			
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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