

CALSTART Webinar: To CaaS or DIY presented by Clectrada

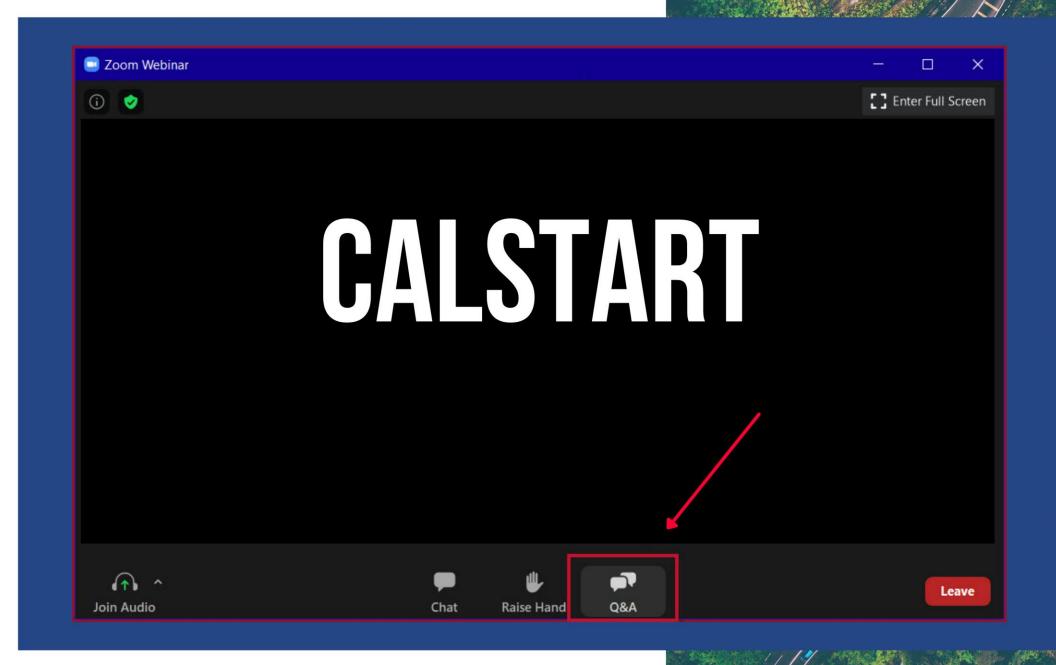
What's the best solutions for your fleet transformation?

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Today's Moderator



Mike Britt
Senior Consultant, MG Britt Consulting Inc.
Former Director of Maintenance, UPS



Today's Panelists



Alexis Reece
Fleet Manager,
Ferguson Enterprises



Thurman Register
Senior Manager – Fleet,
Ferguson Enterprises



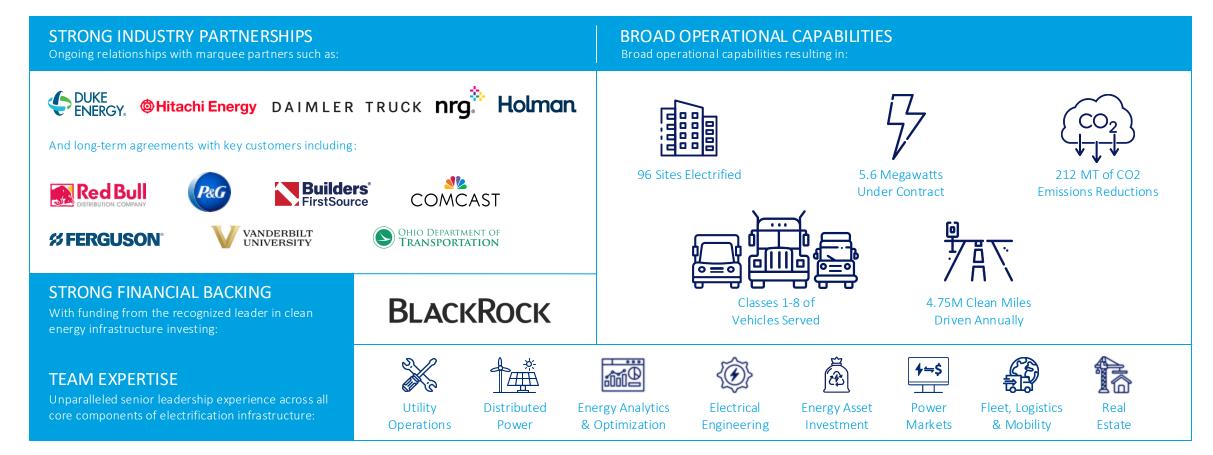
Jenn Fiegel
VP Customer Success,
Electrada



Chris Freitas
Chief Commercial Officer,
Electrada

The Electrada Difference

Electrada has become the leading provider of 360 CaaS solutions for commercial fleets across North America thanks to its deep industry partnerships, long-term relationships with key customers, strong financial backing, veteran leadership team, and operational know-how.





Key Considerations for Fleet Electrification Planning

Commercial EV fleets need to deliver on Reliability, ROI, and Sustainability metrics to have successful fleet electrification programs





Essential Components of Successful Electrification Programs

In order to ensure proper reliability, ROI, and sustainability, EV charging infrastructure requires significant human and financial capital, deep-seated industry expertise, comprehensive hardware and software solution vetting, and detailed project management capabilities.



PROJECT PREPARATION & FUNDING

- Allocation and investment of internal financial & human capital resources
- Budgeting
- ROIC evaluation
- Grant and incentive applications



SITE & CAPACITY DESIGN

- Review duty cycles & prepare load shape
- Procurement for design & engineering firms
- Electrical tariff & onsite energy generation requirements



HARDWARE & SOFTWARE SELECTION

- EVSE hardware procurement
- EMS & CMS software provider procurement
- Interoperability testing with selected EVs, EVSE, software



CONSTRUCTION & UTILITY MANAGEMENT

- Electrical contractor procurement
- Construction
- Project management
- EVSE hardware installation
- Utility permitting
 & coordination



GO-LIVE PREPARATION

- LCFS broker procurement for carbon credits
- Training for drivers & techs
- EMS / CMS software implementation



ONGOING OPERATIONS & MAINTENANCE

- O&M procurement
- Ongoing energy management
- Monitor reliability
 & performance
- ESG analytics& reporting



DIY Results: Run on Less Electric Fleet Study

The "Run on Less – Electric Depot" study organized by NACFE and RMI in 2023 found that only 1 of the 8 participating EV charging DIY fleets had a positive ROI result for their EV fleet charging infrastructure.

In September 2023, NACFE (North American Council for Freight Efficiency) and RMI (Rocky Mountain Institute) organized the "Run on Less – Electric Depot" study featuring 8 depots of large fleet operators covering Class 2B to Class 8 BEVs operating in the U.S., Canada, and Mexico to explore fleet scaling considerations, facilitate industry partnerships, and analyze EV charging infrastructure performance at these locations.









RUN ON LESS STUDY: DIY EV FLEET RESULTS				
COMPANY	SITE CHARGING INFRA. PLANNING	ENERGY USAGE PLANNING	OVERALL ROI RESULT	
Company 1	Θ	Θ	Poor	
Company 2	Θ	Θ	Poor	
Company 3	Θ	\bigcirc	Poor	
Company 4	Θ	\otimes	Bad	
	\otimes	\otimes	Bad	
Company 5	\otimes	\otimes	Bad	
Company 6	Θ	Θ	Poor	
	\ominus	\ominus	Poor	
Company 7	Θ	\ominus	Poor	
Company 8	\oslash	\oslash	Good	









Core Components of Electrada's 360 Charging-as-a-Service

Electrada's CaaS offering offers the most reliable, de-risked, capital efficient solution on the market.

	RELIABILITY	We guarantee high levels of reliability with 99% uptime through our SLA and have one partner through this collaboration
\$ C S	FUEL CERTAINTY	Fuel price certainty through locked in electric fuel prices create reduced commodity volatility and increase in fuel savings
(·\$)	RISK MITIGATION	We provide all the upfront capital and take on all the risks in managing the charging infrastructure and utility assets
	SAVINGS	We create and deliver both maintenance and fuel savings for the fleet customer
4843 4843	LONG-TERM PARTNERSHIP	We are aligned with the customer from the very beginning of this long-term transition to all electric vehicles



Fleet Charging Reliability: Key Elements of Electrada's 99% Uptime Guarantee

Reliability is designed into Electrada's offering from the onset of any project, covering all needed aspects to ensure 99% uptime, including 24/7 support, complete preventative maintenance, accelerated response times, connectivity standards, and onsite charger / part replacements.

24/7/365

Support available via phone/web

100%

Preventative maintenance coverage

<1 Hour

Response time via customer support portal

5:1

L2 charger to spare ratio stored in lockboxes onsite

<4 Hours

Onsite tech response time + 24/7 emergency dispatch

100%

Remote connectivity (wired, multiple carriers, Starlink)

DC (FC)

Critical spare replacement parts held in stock onsite

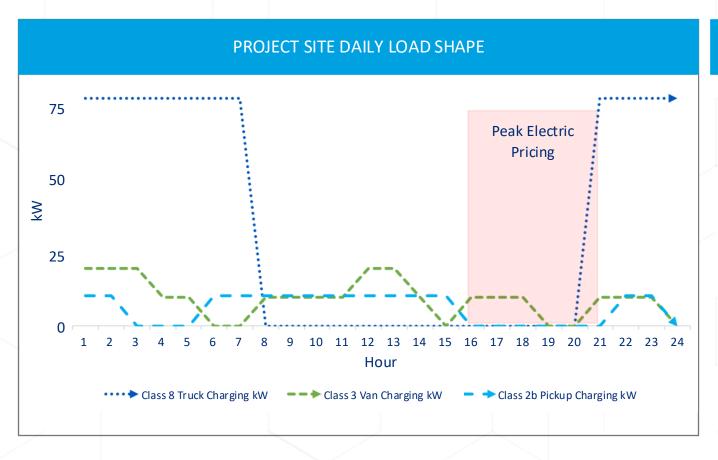
AC (L2)

Rip & replace for immediate resolution, spare L2s in-stock



Fleet Charging Reliability: Electrada's Daily Action Plan

Electrada's operational blueprint ensures that we are monitoring and validating operational uptime from start to finish of each day.



DAILY SCHEDULED ACTIVITIES

SOD (Start of Day)

- EV & EVSE connection checks
- Prior day metrics
- Charge schedule
- Unplug Vehicle

Intra-Day

• SOC (State of Charge) Route Management

EOD (End of Day)

- Next Day Route Load
- EV Readiness
- EVSE Readiness
- Plug in Vehicle

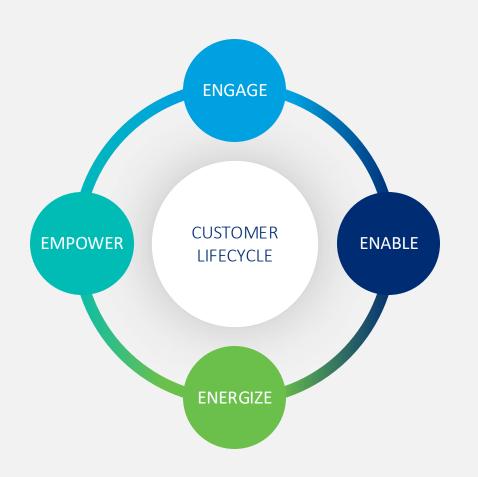
ONGOING RELIABILITY ASSURANCE

- Daily Monitoring 24x7x365
- Alerts + Remote/Onsite Support
- Preventative Maintenance
- Corrective Maintenance



Electrada's Customer Engagement Lifecycle

Electrada follows a customer-centric approach to each engagement, ensuring we meet the needs of our customers through all phases of a project.





ENGAGE Origination of customer engagement driving CaaS model

and ESA execution

ENABLE Solution design including site, platform and procedures

aligning with customer use cases and success metrics

ENERGIZE Customer On-Boarding - solution deployment and

commissioning with training to energize customer adoption

across stakeholders and users

EMPOWER Engagement management with operations support and drive

to solution adoption and account/portfolio expansion



Electrada's Functional Teams

Our team of experts will ensure your needs are covered from initial engagement through project launch and ongoing operational execution.

ELECTRADA PROGRAM PERFORMANCE MANAGEMENT **⊘**lectrada **ENGAGE ENABLE ENERGIZE EMPOWER BUSINESS DEVELOPMENT COMMERCIAL FINANCE ENERGY SOLUTIONS ENGINEERING CUSTOMER SUCCESS** 2 MONTHS 5+YEARS 10 MONTHS







THANK YOU!

For more information about Electrada, visit electrada.com