relion

Are you looking to implement or optimize charging equipment for electric vehicles (EVSE)? YOU'RE IN THE RIGHT PLACE.

Just follow this checklist to ensure nothing is overlooked!

Implementing EVSE is complex, and every situation is different, so there may be points to add to this list. It's up to you to do your research and consult with experts like us! If you have any questions or comments while reading this list, refer to the main document for a definition of each point below. **For any additional information, feel free to contact us at info@relioncharging.com or at 1 (438) 803-6269.**

STEP 1
INFRASTRUCTURE NEEDS

Charging Needs Assessment
☐ 1. Your fleet: Quantity and type of vehicles
☐ 2. Your habits: Distances traveled and types of trips
☐ 3. Your charging windows: When and how long you have to charge
☐ 4. Your growth plans: Do you want to add EVs to your fleet in the future?

Electrical Needs and Grid Capacity
☐ 1. Your current electrical capacity: Maximum current electrical capacity
☐ 2. Necessary improvements: Do you need to increase the current capacity?
☐ 3. Grid capacity: Can your electricity provider keep up?
☐ 4. Load management: How do you eliminate peaks and optimize costs?
☐ 5. Future expansion: What are your future needs?

STEP 2
SITE EVALUATION AND PLANNING

Charging Station Placement
☐ 1. Proximity to the electrical grid: The closer it is, the less it costs to install
☐ 2. Vehicle parking and accessibility: Reserve space for access
☐ 3. Weather: Have you considered freezing, snow, and other weather conditions?
☐ 4. Site layout: Ensure team safety with lighting and signage, for example
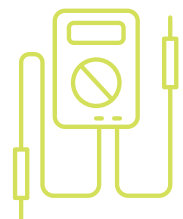☐ 5. Permits and compliance: Do you have all the necessary permits for site modifications and construction?

STEP 3
EQUIPMENT SELECTION

Charging Station Features
☐ 1. Charging speed: Based on your vehicle's capacity
☐ 2. Connector types: Make sure they are compatible with your EVs
☐ 3. Connectivity: Remote access to stations is always a plus
☐ 4. Durability: Will your EVSE survive your climate for years?
☐ 5. User interface: The simpler it is to use, the better!

SCALABILITY AND LONGEVITY

☐ 1. Modular systems: Some systems allow you to increase the number of connectors and their power

☐ 2. Power sharing: Ensure optimal distribution of charging among your EVs

☐ 3. Software and equipment interoperability: The most important. Avoid being locked into one technology and/or provider forever!

SUPPLIER CHOICE

☐ 1. Product range: Multiple choices based on your needs?

☐ 2. Reliability and support: Even with the best equipment and planning, issues will arise

☐ 3. Integration capabilities with your existing systems: Don't forget this!

☐ 4. Experience in the field: Electrification is complex. An experienced partner is key!

STEP 4

OPERATIONAL CONSIDERATIONS

Charging Management Strategies

☐ 1. Charging schedule and planning: Schedule intelligent charging times

☐ 2. Load balancing: Essential if you have multiple EVs charging at the same time

☐ 3. Priority charging: Prioritize some EVs over others based on your operations

☐ 4. Off-peak charging: Pay as little as possible!

Maintenance and Support

☐ 1. Fault detection and troubleshooting tools: Ensure that your fleet keeps on rolling with these types of software

☐ 2. Remote monitoring: Quickly detect issues

☐ 3. Documentation, training, and expertise: Easy access to these will save you a lot of time and hassle

☐ 4. Team training: A well-trained team saves you a lot of trouble

☐ 5. Data tracking: Optimize your operations by analyzing your data

STEP 5

COST CONSIDERATIONS AND RETURN ON INVESTMENT

Initial Investment

☐ 1. Equipment: Stations, power distribution units, cables

☐ 2. Installation: Site preparation, electrical upgrades, labor

☐ 3. Permits and compliance: Fees for obtaining necessary authorizations

☐ 4. Software and integration: Charging management systems and integration with your existing software

☐ 5. Financial incentives and rebates: Incentives and subsidies that reduce acquisition and operational costs

Operational Costs

☐ 1. Electricity costs: Local rates based on your charging habits

☐ 2. Maintenance and repairs: Maintenance and replacement parts for EVs and EVSE

☐ 3. Network and software fees: Subscriptions for connected services

☐ 4. Staff training: Ongoing training for your team