

# EVCHARGE4U

Electric Car Charging Consultants & Specialists

## CHARGING STATION INSTALLATION IN BUILDING DCC – CONDO

Summary of charging solutions to be implemented in apartments and condos to ensure that all co-owners have the availability of an electric vehicle charging station in their assigned parking.

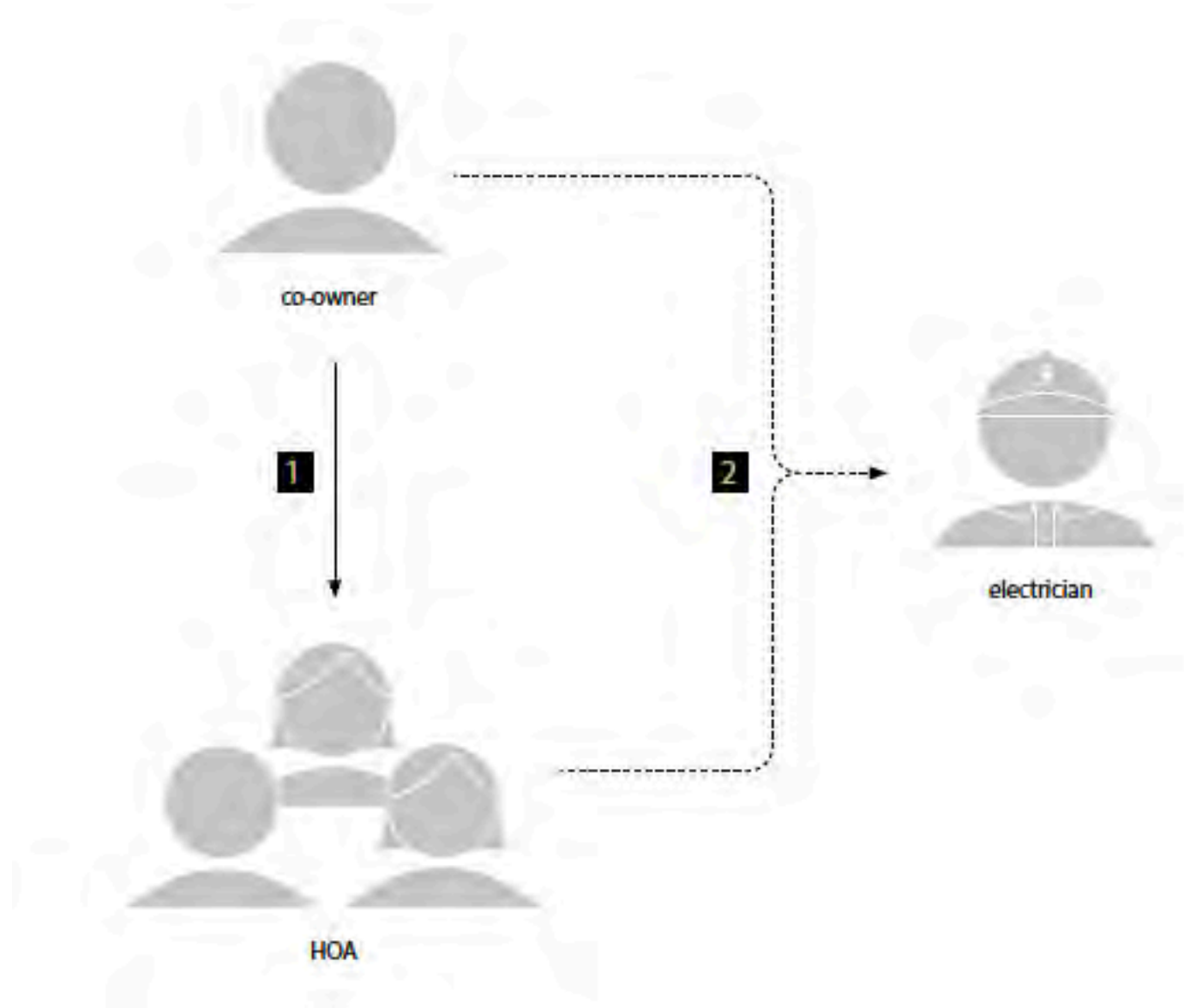


# 1

## Concerned Parties

The concerned parties for charging station installation in a multi-family building are the co-owner, the electrician and the HOA.

To obtain a charging station in a assigned parking area, 1 the co-owner must send a request to the HOA and then 2 decide together who will pursue the procedures with Evcharge4u.

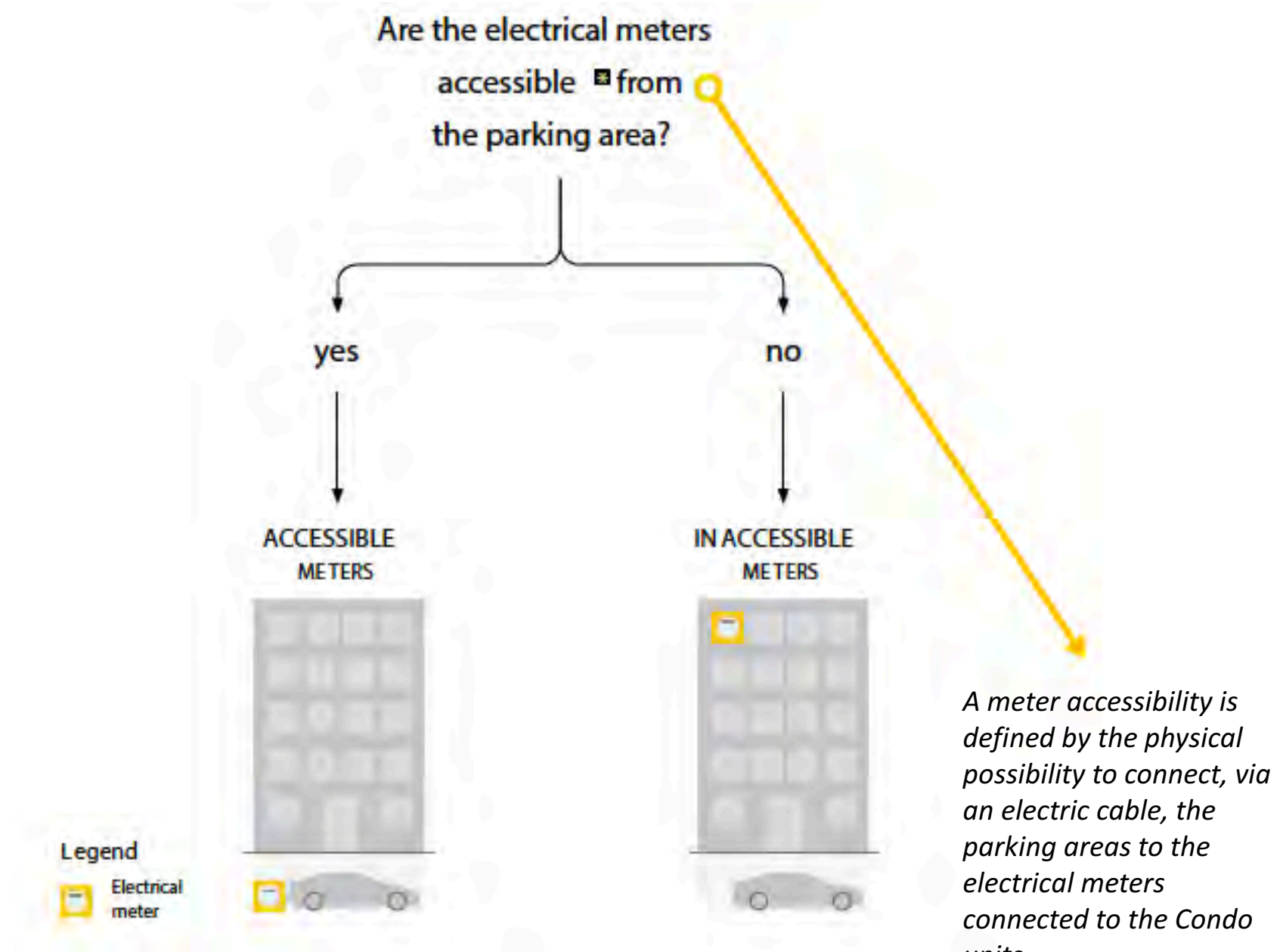


## 2 Installation Settings

The electrician will help the HOA and the co-owner to define the installation setting.

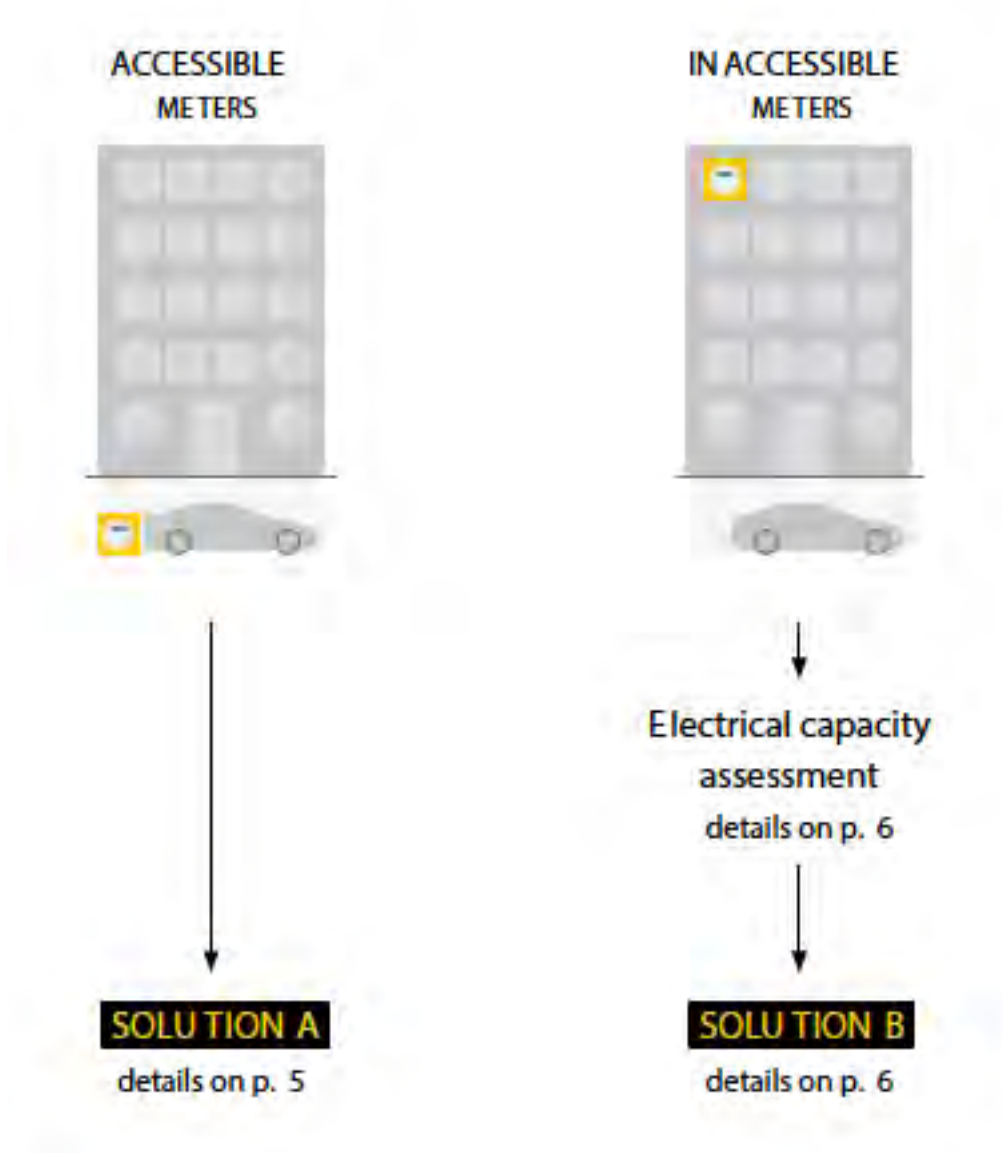
The installation setting is defined according to the electrical meters location related to the co-owner parking area.

Are the electrical meters accessible \* from the parking area?  
yes.



# 3 Charging Solutions

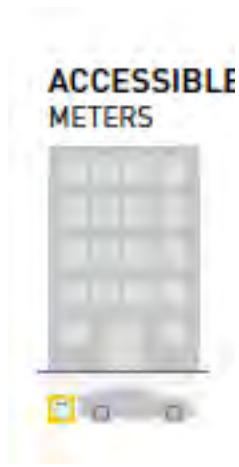
Once the settings are known, the electrician can identify the proper solution and conform that it can be implemented.



## 4 SOLUTION A

### Installation of a DCC Condo

When the meters are accessible, we recommend using a DCC Condo, an energy management system installed by the electrician at the same time as the charging station.



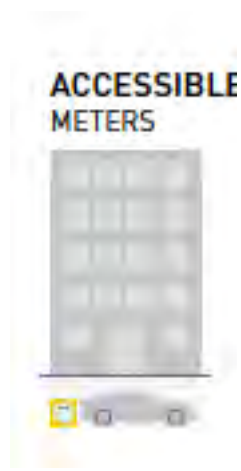
### Characteristics of the DCC Condo

- ✓ A system specifically designed to enable a charging station to be connected when the meters are accessible.
- ✓ The system can be installed in the electrical room on the condo main cable B which connects the electrical panel located in the condo A and the electrical meter located in the basement C.
- ✓ All installation costs are paid by the co-owner.
- ✓ The system will invoice the energy consumption directly to the co-owner's own electricity residential account.
- ✓ The system automatically manages the available energy and protects the condo main power by never exceeding 80% of the main breaker rating.
- ✓ The system can be installed on the ceiling, on a wall and even on a column (depending on the physical space available).
- ✓ The DCC Condo can supply power to any 40A, 50A & 60A 240V charging station.

## 4a SOLUTION A

### Installation of a DCC Condo

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**A**  
Condo electrical panel

**B**  
Condo main cable

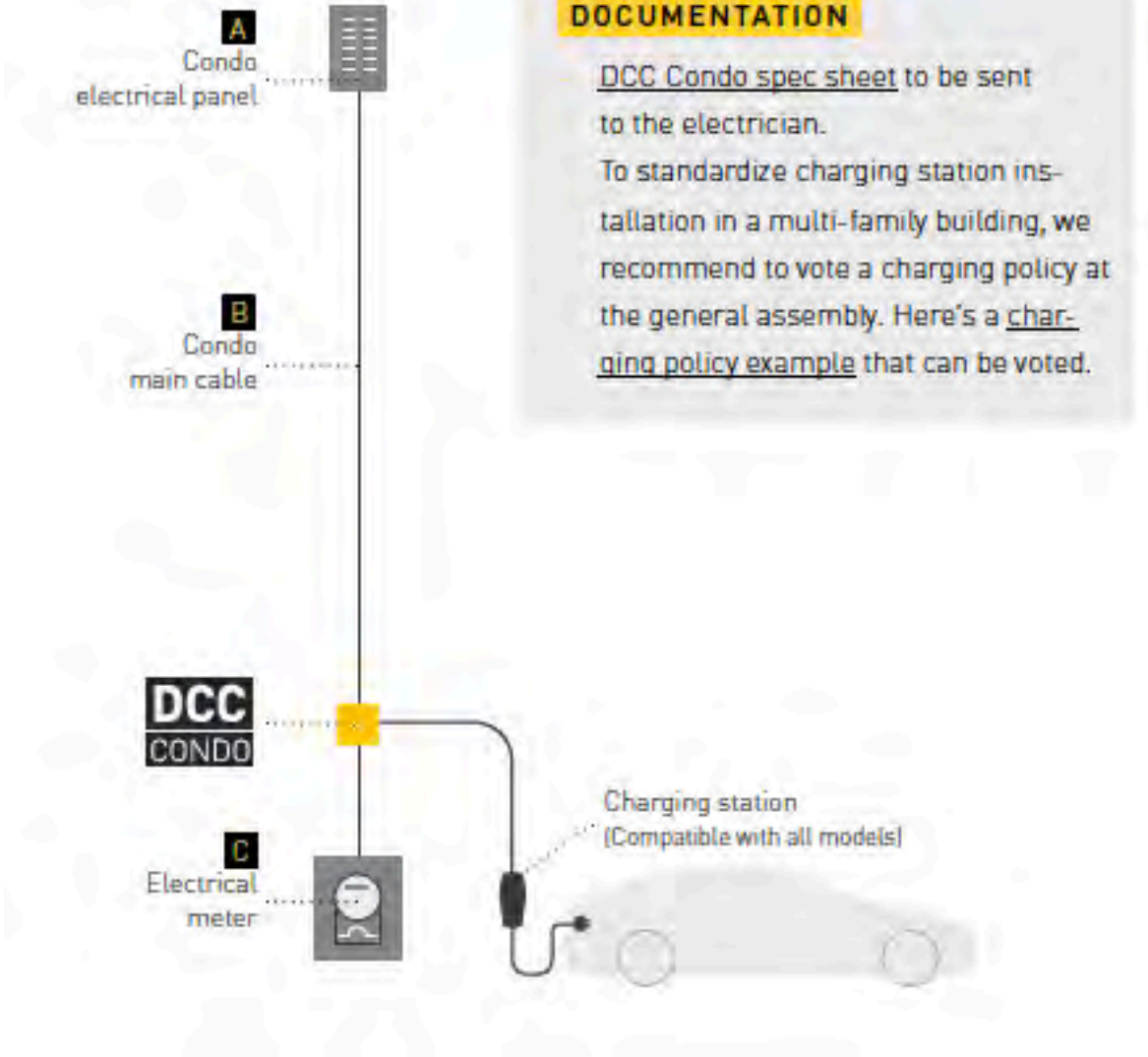
**DCC CONDO**

**C**  
Electrical meter

#### DOCUMENTATION

- DCC Condo spec sheet to be sent to the electrician.
- To standardize charging station installation in a multi-family building, we recommend to vote a charging policy at the general assembly. Here's a charging policy example that can be voted.

Charging station  
(Compatible with all models)



## 5 SOLUTION B

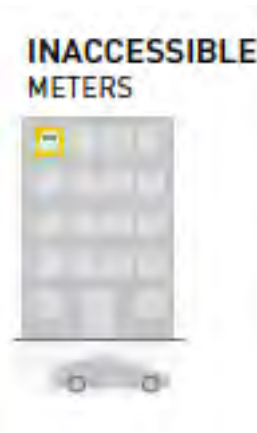
### Addition of infrastructure

To provide co-owners, with inaccessible meters, an access to a charging station, it is necessary,

1 to perform an evaluation of the electrical capacity,

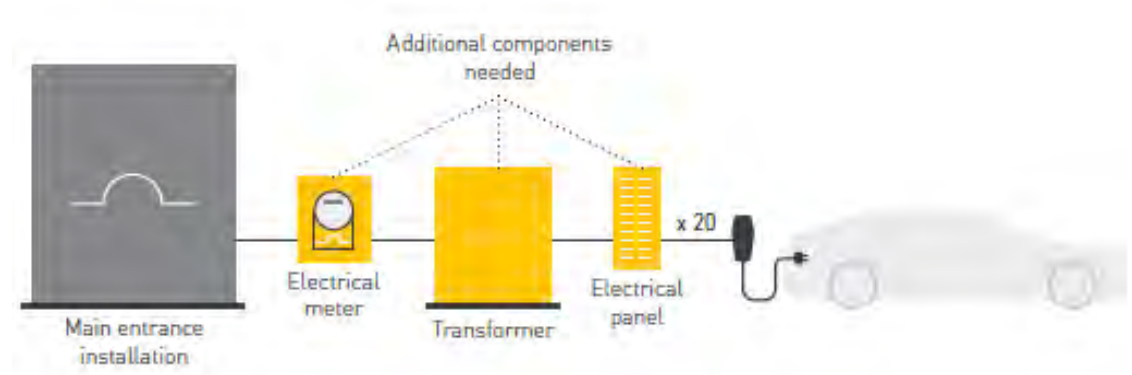
2 add new electrical infrastructures dedicated to electric vehicles and

3 select a re-invoicing method which will allow each charging network user to pay his share



**CHARGING EXPERT**

In the situation of inaccessible meters, it is important to involve a charging station expert to evaluate the electrical capacity and guide you in the choice of solutions which will suit all co-owners.

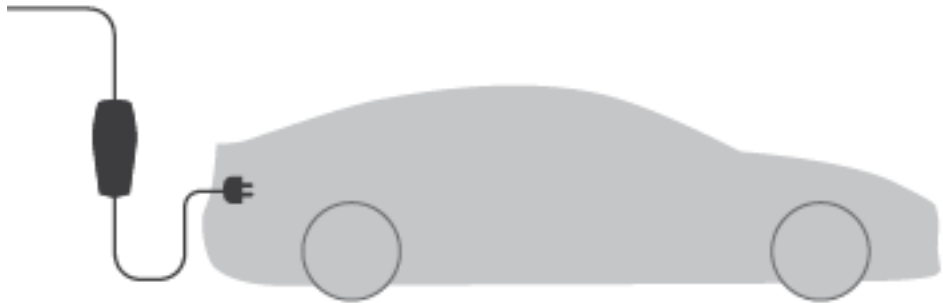


The installation cost of the infrastructure is generally assumed by the HOA and this new expense must be submitted for the HOA Board for approval.

# 6

## charging station installation

Once the solution and quotation are approved by the customer and the HOA , the electrician can proceed with the charging station installation in the assigned parking area.





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