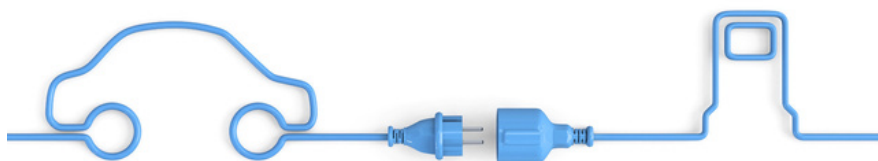




# Electric vehicle recharge point

Detail engineering licenses,  
bodies and entiries health &  
safety due diligence





TÜV Rheinland is a international company offering flexible turnkey services in term sof **quality control, products inspection and technical audit services, assistance and control of occupational and industrial safety, engineering and project management at any country in the world.**

## Services

Our mission is to offer technical services during installation of electric charging point:

- Detailed Engineering
- License Management
- Health & Safety during work and maintenance Due Diligence
- License Management

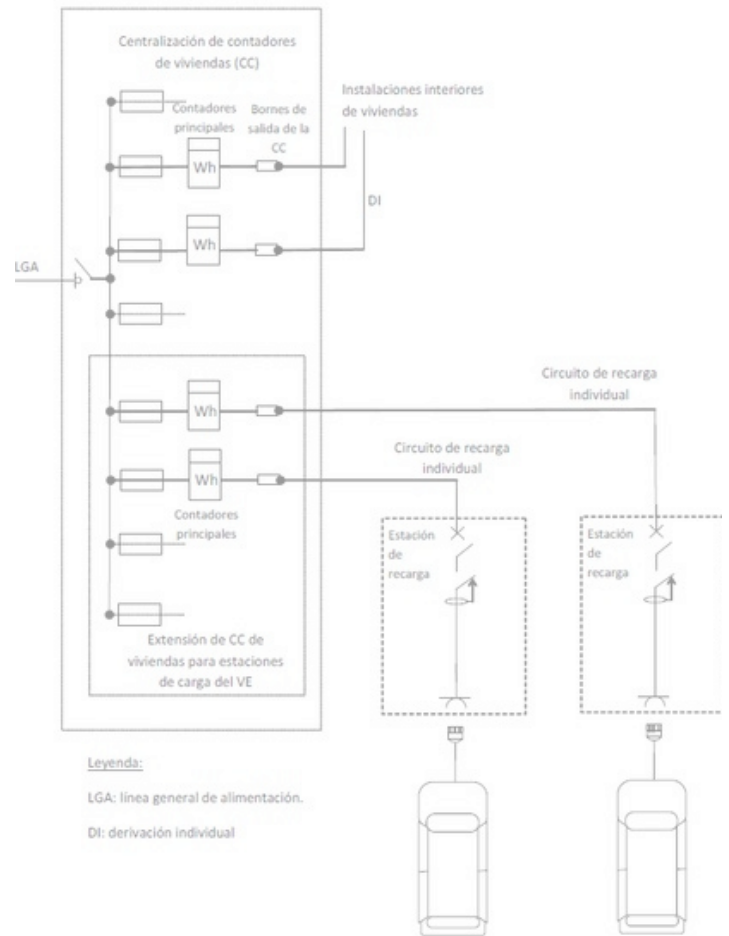
Likewise, TÜV Rheinland develops charging facilities in car dealerships, public parkin lots and petrofilling stations.



# Detailed Engineer

## Lay-out performance

- Location of the installation.
- Number of charging points.
- Type of recharging and charger model.
- Plans of the available surfaces.
- Proposal on aerial image.
- Single-line electric.
- Location of the Transformation Centers.
- Low Voltage General Panels.
- Specifications of the type of terrain available.



## Facility Design for Vehicle Charging

1. Preparation of the implantation plan.
2. Licensing project.
3. Project to increase power and / or connections.
4. Project management.
5. Final reception of the work.
6. Certificate of end of work.
7. Official Act of the Commissioning Industry.
8. Electrical installation bulletin.
9. Review "As Built" of the Construction Project.



# Licenses Management

## Preparation, Development and Processing

With the legalization project, **TÜV Rheinland will carry out all the required procedures at the local and regional administration level prior to installation:**

- Environmental authorization and public utility.
- Prior administrative and construction authorization.
- Support in the application of tax credits, aid and application subsidies
- Request for access to the Network.
- Obtaining Distributor Conformity to connect the installation to your network.
- Processing and management of access and extension rights.
- List of Assets and Rights of necessary expropriation.
- Establishment and obtaining of Right of way for the facilities.
- Availability of land affected by the projected facilities.
- Crossings and Parallelism Separata on goods and Rights of the Administrations and services of general interest.
- Obtaining Conditions of Public Organizations.
- Project drawn up and endorsed by a Competent Technician.
- Project Environmental Document.
- Technical Management Certificate.
- End of Work Certificate.
- Processing and management of the Project in the General Directorate of Industry.
- Municipal processing and management of requests for Work and Activity Licenses.
- Tax payment.
- Obtaining the Commissioning Act.



# Work Prevention and Maintenance

## Before intallation

- Call for a prior meeting with the work contractor.
- Send to the RCP presentative, at the beginning of the Work, the documentation related to Safety.
- Approve the health and safety plan.
- Organize the coordination of the construction companies.

## During work process

- Work Coordination Book.
- Inspection security for each Contractor Control of access to the Work.
- Maintenance of the incident book available to the construction management, contractors and subcontractors, self-employed workers.
- Immediately notify the construction technician of any deficiency detected in the work and / or accident that takes place during the execution of the Work.
- Ensure compliance with the work permit at the beginning of the work when it comes to high risk.

## Ending and Maintenance of the installation

### **Prepare the corresponding final safety report:**

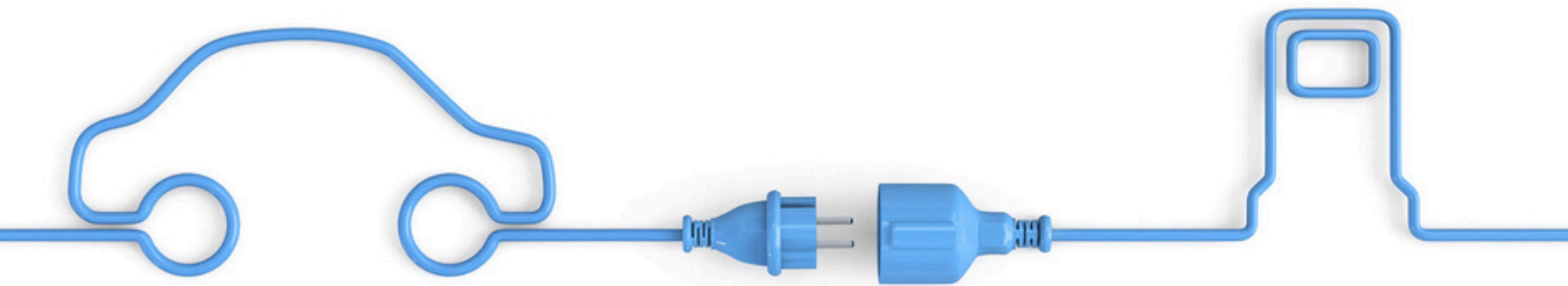
- For each intervention and will be delivered to the construction technician at the end of said intervention.
- Sign the final act of the intervention.



# Due Diligence

## Economic Due Diligence

- Execution cost of the legalization project and project to obtain licenses.
- Cost of material (chargers, wiring, elements of picture).
- Installation cost.
- Cost of licenses and / or administrative procedures.
- ICIO cost and municipal taxes.
- Cost of new connection / connection to existing connection.
- Other additional required concepts.



## Technical Due Diligence

- Verification of affection of circulations and visibility of the point.
- Measurements on site.
- Soil typology and analysis of the environment.
- Review of the connection mode of the proposed point.
- Location of chargers as well as required auxiliary elements (power modules, refrigeration equipment, transformation centers, sectioning centers ...)
- Cable routing mode next to distances.
- Verification of compliance with regulations due to voltage drop.
- Existence of available internet network or mobile coverage, etc.
- Verification of the connection mode with the operations center.

# Our experience

More than 30 years of experience within energetic sector



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