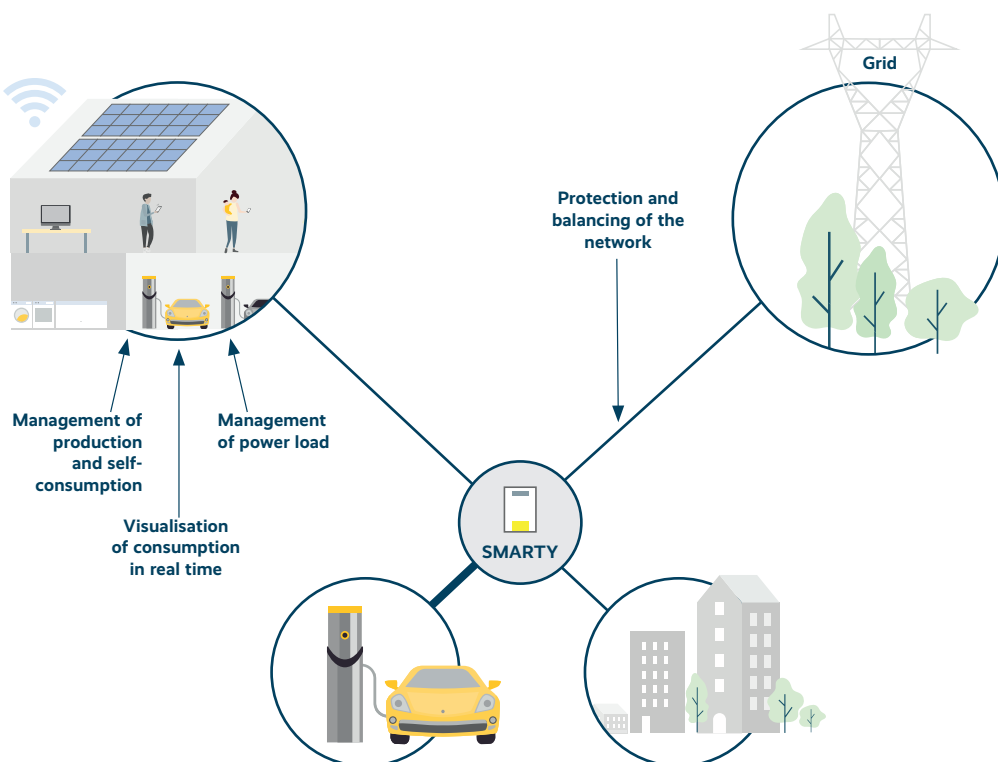




1. Information on the reasoning behind the requirements

The charging terminals should have a junction or relay upstream to allow line-based communication with the smart meter in order to enhance the interaction of buildings with the power network and improve its resiliency.

From 7 kW onwards, this connection is a requirement of the grid operator, so that the latter can temporarily reduce the power or disconnect the terminal in an emergency to avoid a wide-spread breakdown due to a network overload and thus avoid damage (e.g. failure of sensitive infrastructure such as freezers). The smart meter is thus a central element to ensure the protection and balance of the electrical grid; it also allows the management of electricity consumption and production and provides information to users.



2. Description of the procedures in place

Each private charging point ≥ 7 kW three-phase or 4.6 kW single-phase is subject to mandatory declaration to the network operator.

Project manager

Defines the project and chooses between available service providers and products.

For co-ownerships: the homeowner association convenes a general assembly which takes decisions concerning the work to be done.

01



02



Employee

Prepares the installation request to be authorised by the network operator. (The maximum power rating is 11 kW for single-family homes. The maximum power for multi-occupant residences, businesses and other buildings is determined at the request of the network operator.)

03



Network manager

Authorises the installation and confirms the maximum power available at the connection point (if necessary, a connection upgrade may be required).

Employee

- Carries out the work according to the customer's needs in compliance with the connection conditions (connection to Smarty if power ≥ 7 kW).
- Reports the completion of the work to the network operator.
- Performs a compliance test and provides the network operator with a report of the results..

The charging infrastructure is available for use after authorisation and notification of completion by the electrician. A further review by the network operator is not mandatory for commissioning.

04



Network manager

In the case of ≥ 7 kW power, carries out a check for compliance with the connection requirements (TAB) after completion of the work.

05



3. Grants for private charging terminals



Find all the information and eligibility criteria at: www.klimabonus.lu

The Luxembourg government is putting forward a support scheme for the installation of private charging terminals in order to help with the transition to electric mobility and to guarantee the autonomy of electric vehicles.

Bonus application forms and information about the process can be found at bit.ly/primes_bornes

The application procedure is identical to the application for the other government grants. There are two forms to be filled in by the applicant and the installer and sent to the Environmental Agency.

The application for aid must be submitted no later than 12 months after the last invoice. Items to be provided:

- a copy of the paid invoice in due form, attesting to the purchase and, if applicable, the installation of the charging terminal;
- if the beneficiary is a property owner, a land-register extract indicating the property;
- if the beneficiary is a tenant, a copy of the lease contract.