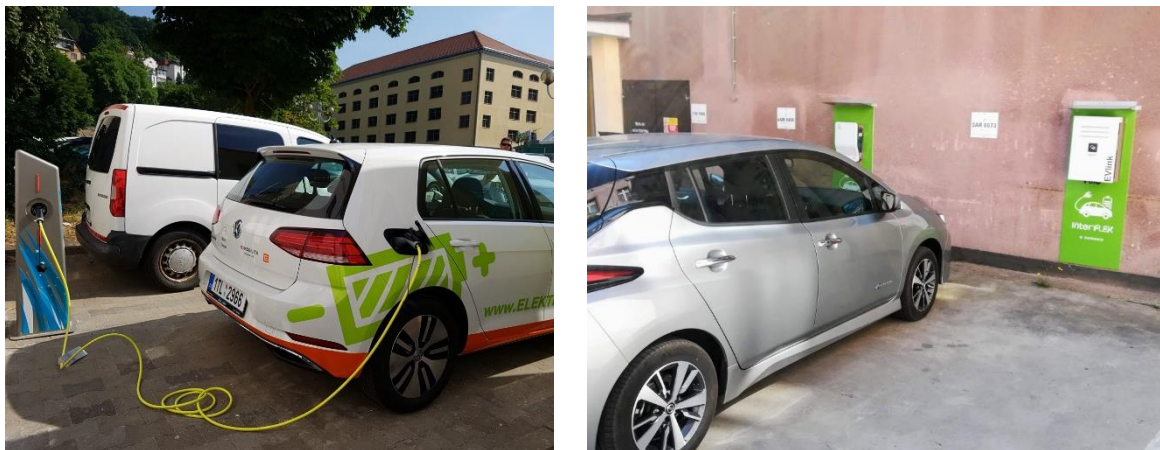


A SMART CHARGING CONCEPT IS TESTED IN THE FIELD IN THE CZECH REPUBLIC

In the frame of InterFlex, CEZ Distribuce, the biggest Distribution System Operator (DSO) in the Czech Republic, demonstrates a smart charging concept of Electric Vehicles (EVs) and its effect on the distribution grid in case of emergency.

For that purpose, CEZ Distribuce installed non-public smart charging stations in two private areas (Hradec Kralove and Decin). The maximum charging power of the stations can be limited in case of under voltage, under frequency or in case the DSO sends a DSM (Demand Side Management) signal through a narrow band simple one way PLC communication.

The smart solution has already been successfully tested at all charging stations included in the InterFlex project. Charging stations are used only to charge CEZ Distribuce EVs since the operation of public charge points by DSOs is foreseen to be forbidden in Europe based on the proposal of the Clean Energy Package (proposal of the European Commission).



Charging station in Decin area (on the left, smart solution provided by Siemens) and in Hradec Kralove area (on the right, smart solution provided by Schneider Electric)