



CUSTOMER STORIES

ELECTRIC VEHICLE OWNER IS ON A FAST TRAJECTORY. (OUR CHARGING INFRASTRUCTURE IS STILL CATCHING UP.)



Isabellenhütte's joint venture for innovative direct current meter for fast charging stations

CHALLENGE

The global political will to promote electric vehicle adoption requires the expansion of the charging infrastructure. In addition to on-board charging, the implementation of DC charging stations on highways and expressways is underway, but, the requirements for these stations is evolving. Functionality such as current monitoring that can be tied to billing services in real time are required—and these solutions need to be calibratable and encryptable. Stations must be physically secured and their reliable operation supported.

SOLUTION

Isabellenhütte has been partnering with innovators in Europe since 2014, where the solutions to these problems can serve as an “advance guard” proving ground for emerging technologies. Already, solutions like our IEM-DCC, an innovative direct current meter, allows for the charging process to be billed by the kilowatt hour. A highly-accurate shunt-based current sensor is integrated into the procedure for kilowatt hour-exact billing.

APPLICATION

Public fast-charging stations for electric vehicles with flexible monitoring/billing capabilities