

Charging infrastructure for electric vehicles at IKEA stores in Switzerland



In the year 2016, IKEA Switzerland would like to begin operating electric-vehicle charging stations at all of its stores in Switzerland. EBP is supporting IKEA Switzerland in its endeavor by providing critical technical and organizational recommendations for the charging infrastructure.

We carried out a study to give IKEA Switzerland a reliable basis for making a decision in the near future with regard to its plans to install charging stations for electric vehicles at its stores throughout Switzerland.

We first summarized the experience that IKEA has gathered in neighboring countries, outlined the most important risks and opportunities associated with the provision of charging services for electric vehicles and sketched the contribution such services would make to sustainable development. We then determined the number of charging stations per store (for customers and employees) that would need to be installed, outlined the advantages and disadvantages associated with the various charging specifications (charging output, AC vs DC, etc.) and estimated the associated investment costs. Finally, we reviewed various types of access and billing systems and submitted our recommendations to IKEA Switzerland along with a plan for organizing a call to tender for the design and installation of the charging infrastructure.

Client

IKEA AG

Facts

Period 2015 - 2016

Project Country Switzerland

Contact persons

Silvan Rosser
silvan.rosser@ebp.ch

Dr. Peter de Haan
peter.dehaan@ebp.ch