

Opponent's review of the Master thesis

Title: Implementing Sustainable E-mobility System in Czech Electricity Market

Author: Büşra Yaman

Content

This thesis describes e-mobility market in Czech Republic. The author explains what is E-mobility, describes E-mobility as business solution, does the financial analysis of public electric vehicle charging stations.

The thesis is 102 pages long (including the initial pages and the bibliography) and written in very good English. It is divided into 4 chapters. After a short introduction, the theoretical background and the related practical work with case study is introduced. The first chapter describes nowadays E-mobility position and its expected development. The second chapter discuss E-mobility ecosystem, its infrastructure, provision and impact. In the third chapter author discusses E-mobility as a business solution for Czech electricity utilities. The last chapter brings the financial analysis of public electric vehicle charging stations with the case study and results.

The work contains all necessary requirements, including bibliography, list of abbreviations and appendices.

Evaluation

The chosen topic is modern and actual and the author comes up with extremely interesting work to read. The overall analysis of this work gives an overview to nowadays situation and mark the directions to future. Presented work shows author's ability to compare and prioritize tasks and work with information. Attached bibliography is wide, has modern and unusual sources. Formatting and design has been done with high accuracy.

Questions

- 1) What do you think Czech government should do for E-mobility promotion and to make E-mobility available to any resident?
- 2) If E-mobility become widespread, could you please propose utilization methods of spent car battery to eliminate industrial waste.

Conclusion

Author fulfilled all given performance targets and presented his significant personal input to the subject. Based on all of the above I recommend this work for defence and propose grade **A – Excellent**.

Prague, June 6, 2018

Dr. Olga Kovalenko