

Charging Station for ISO / IEC 15118 Protocol

*Building working smart networked charging station with support for both ISO 15118 and*

*IEC 61851*

Bachelors Project

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1. Introduction

In this chapter a short summary of this work is described. In addition, the task description as well as to overview Of the following chapters and Their contents are given.

* 1. **Short Version**

The present project work serves to set up a working model for the current standardization of the vehicle-column communication gemäß to ISO / IEC 15118 along with the HMI display.

The built-up working model besteht of two interconnected boards and a Raspberry Pi for teh display. Each communication user is Represented by a circuit board.

The software used is derived from at existing stack and angepasst for a defined application of ISO / IEC 115118th

.According To the ISO variable parameters are listed as macros and Documented, so did a change is possible at any time. If parameters are selected so dass die Resulting requirements can no longer be met by the respectivement other subscriber, a fault message is output.

* 1. **Task**

The main task is to implement a basic working model of the car charging station with the HMI interfaced into the system. It involves the study of the basic working of the ISO 15118 protocol and defining the possible working structure of the Charging station.

The task require the method of integrating another Linux SoC system which will be used as the

* 1. Chapter Overview

1. Literature Survey
   1. Pre