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STUDY AND ANALYSIS OF FAST AND ULTRA-FAST CHARGING TECHNIQUES FOR ELECTRIC VEHICLES

PROJECT DESCRIPTION

This project meets the following objectives:

- State of the art on the different technologies used for fast and ultra-fast charging
- Analysis of fast and ultra-fast charging techniques used in electric vehicles
- Propose improvements at several levels:
  - From the point of view of Efficiency of technology used (System performance)
  - From the Energy Quality point of view delivered (Pollution of the electrical network if it exists and these impacts on the other floors)
  - -From a system security point of view (risk study)
  - Develop MATLAB - Simulink models to test and compare old and new results.

PROFILES: ENGINEER

2 Trainees

Electrical Engineering, Telecommunications, Embedded Computing, Microelectronics (ENIT, ENISO, ENIM, ENIG, ENIS)

6 months

C, C++, Python, Altium Designer, Proteus, MATLAB & Simulink