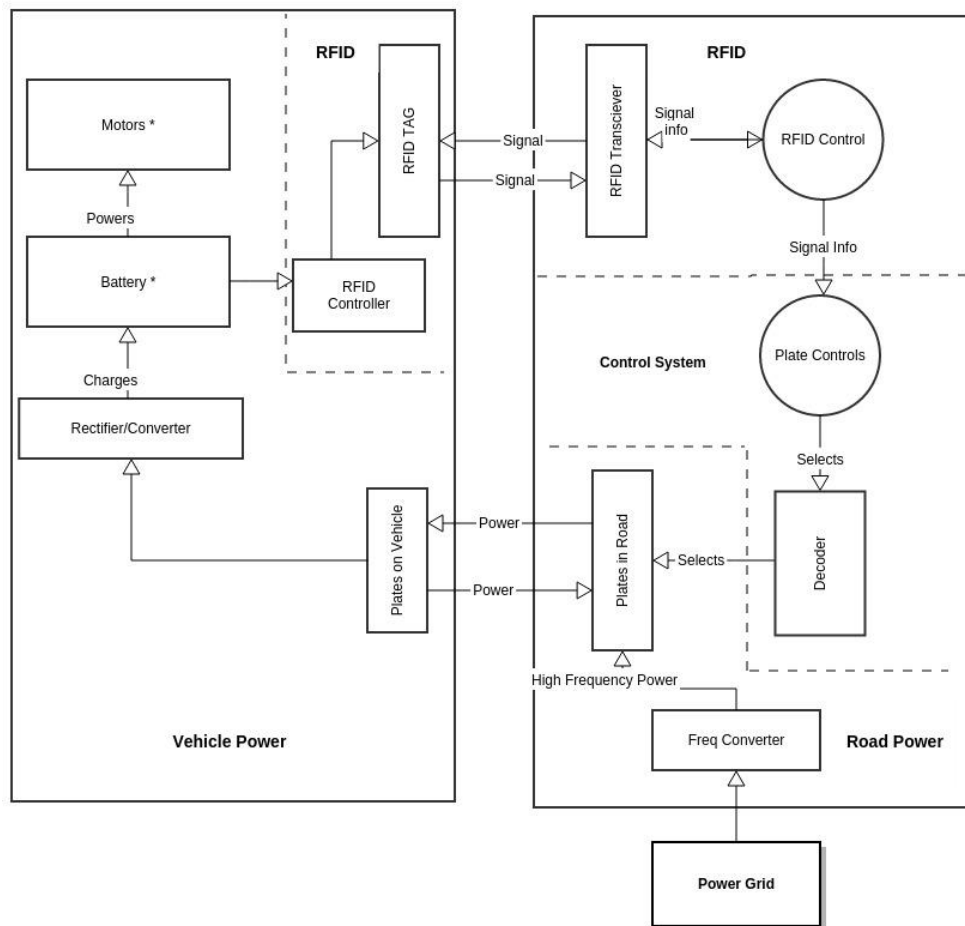The League of Extraordinary Engineers Team
Responsibilities and System Diagram

Responsibilities	Roles	Hardware	Software
Trigger capacitor plates for power transmission when vehicle is above plates	Control Subsystem	Microcontroller and decoder	Plate control logic
Identify vehicle and determine if vehicle is suitable for charging	RFID Subsystem	RFID reader	RFID control logic
Transmit power through charge plates	Road Power Subsystem	High-frequency inverter, capacitive plates	-
Receive power through vehicle plates	Vehicle Power Subsystem	Power rectifier and converter, vehicle plates	-

Fig. 1: System Diagram
Note: * indicates a component that is not a part of the system we are developing