



# HiWi/Internship

## Upgrading the Merlin Robot

### ***Description***

The Mobile Experimental Robot for Localization and Intelligent Navigation (aka. Merlin) at Zentrum für Telematik needs a long deserved upgrade. It requires new batteries and power connectors, as well as a case redesign to hold them in place. It also needs a new microcontroller board that handles the low-level safety routines, as well as controlling the motors and keep track of the odometry. Additionally, it may also require a new power distribution board.

### ***Previous Knowledge Required***

C++, ROS, 3D Printing, Hardware skills

### ***Contact***

Robin Hess

[robin.hess@telematik-zentrum.de](mailto:robin.hess@telematik-zentrum.de)

