

Master-IT: Project work WS2010/2011

Topic:

Smartphone based user interface for E-Bike control

Area: Industrial Communication, MMI

start: September 2010

partner: OWITA

tools: Java Programming on Smart-Phone,
CAN-Bluetooth Gateway / CAN-WLAN Gateway
CAN communication structure

An E-Bike supports the driver giving an additional motor-moment to the wheels. This system requires a User-Interface, which is today often a very specific solution. This project work shall demonstrate the possibility to realize such a user interface based on a smart phone, and a wireless gateway to the CAN-System of the bike.

Contents:

- Smartphone Application as user-interface
- Evaluation of Gateway-Solution to the CAN-System inside the bike using WLAN or Bluetooth



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