CAN control devices

Provision of a user interface for CAN control devices the example ***parking assistant***

Customer requirement

In addition to an all-round view while manoeuvring, blind spots should be visualised on the display (e.g. children not in the field of vision) and the distance to objects should be displayed in colour.

A parallel and angle parking aid was also stipulated. In addition, the display should have sensor controlled night vision ability (by means of radar or infrared, depending on the vehicle).

comlet solution

In this software development project comlet dealt with communication with the CAN control device as well as the implementation of the usage concept.

Subsequently the raw data and the vehicle data available were graphically visualised. Acoustic signals for dangerous areas were programmed.

Our software supports different protocols (BAP, CDef) on CAN level so that the head unit adapts itself dynamically if devices or sensors in the vehicle are replaced.

In addition the comlet development guarantees the greatest possible stability in the case of external or internal influences or disruptive factors, e.g. low voltage or a partial failure of the sensor system.

The system also provides for image adjustments in the case of poor light conditions.

Technologies used:
Harman/Becker MMI2000, MOST Bus, Oasis Optolyzer, Tornado, VxWorks, CANoe

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