Redundant Brake System

Highly Automated Driving (HAD) applications require redundant brake architecture to achieve safety goals. Therefore the architecture consists of two independently controlled brake systems. The monitoring is already integrated into the system to enable the fail operational mode required for HAD. The brake system will react to either driver or HAD inputs.

Functions and System

- N-Brake, ABS, ESC control and assistance functions during driver- and automated mode
- Continuous monitoring of redundancy integrated
- Electric Parking Brake
- Brake-by-wire technology based on MK C1® hardware enables high dynamics and recuperation potential

Product

- Primary Brake System MK C1®
- Secondary Brake System MK 100® HBE

Benefits and Possibilities

- Support your HAD projects
- Excellent NVH for driver assistance functions such as Traffic Jam Assist
- Demonstrator vehicle set-up and public road release for prototypes based on standardized approach
- Compliant with additional products out of our HAD toolbox to reduce your engineering efforts (e.g. safety gateway, radar sensor ARS 430)