**Problem**

- Controller Area Network (CAN) is used for information exchange between components
- Communication partners use a shared medium

Each CAN configuration is stored for further management

- Every production location uses an extra database for storing the data of a single CAN bus system
- Storage of CAN bus independent information in every single database leads to data redundancy
- Information exchange between databases is not supported

**Solution**

**Architectural Patterns**
- View
- Controller
- Model

**Layered Architecture**
- Presentation Layer
- Business Application Layer
- Data Access Layer

**Central Database supports:**
- Multiple Production Locations
- Multiple CAN Bus Systems
- Internationalization
- Adaptation to changing requirements

**Schema Evolution**
- Language 1
- Language 2
- Language 3
- Language Unspecific
- Language Specific

**CAN Bus Organization Rosenbauer Assistant**