



Eclipse (Mo)bility (Ec)oSystem

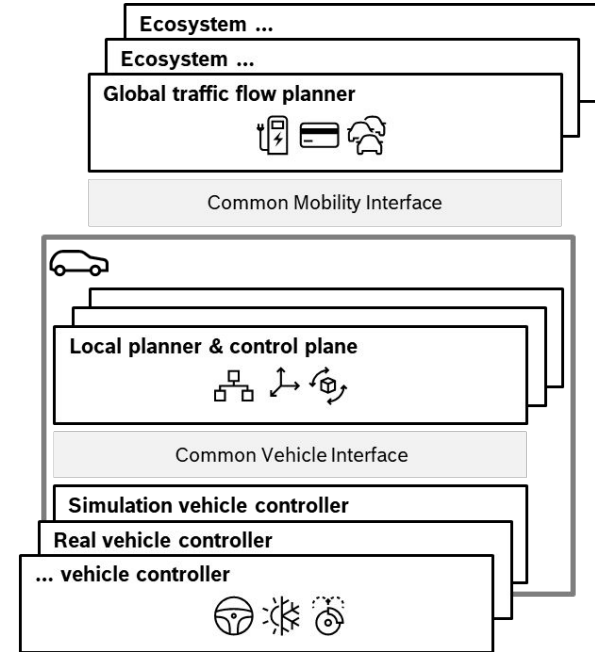
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Vision and Mission

🎁 **Mission:** “provides the most accessible and straight forward **software development kit (SDK)** for infrastructure-based solutions”

🎁 **Vision:** “to leverage interconnection and integration with all kind of in- and off-vehicle, as well as ecosystems, solution building blocks, enabling the **software defined mobility**”

🗨️ We are sponsored by the **SofCar** - paving the way for software defined vehicle.



Scoping

Application plane

for all the algorithmic tooling <https://github.com/eclipse-moec/motioncontrol>

- Specific agent behaviour
- Sensor and actuator data processing
- etc.

Data plane

for all integration purposes <https://github.com/eclipse-moec/integration>

- Signal mapping e.g., for CAN via DBC files
- Clock abstraction and timing e.g., for coordinating multiple actors
- etc.

Operating system (OS)

as control plane, via [Eclipse LEDA](#)

- Board Support Package (BSP)
- Over the air update and configuration manager (UCM)
- Mandatory functional packages, at least communication middleware and message definitions

Maximum hardware abstraction and environment specific independence, fully loaded with application examples.

No specialized build system.



THANK YOU!