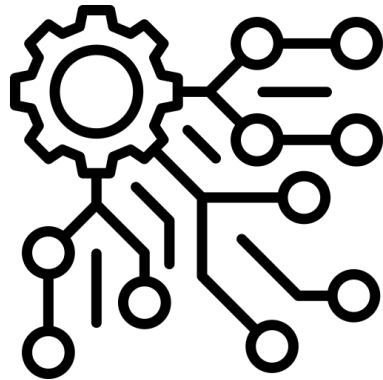


Niklas Braun

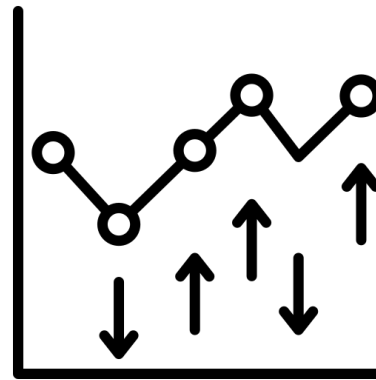
Technical University of Brunswick

Safety & Security Considerations

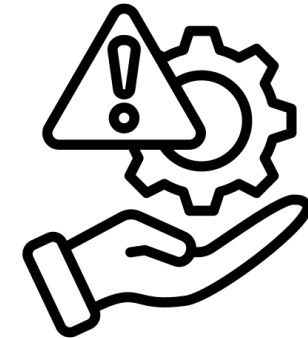
Safety & Security



Managing complexity



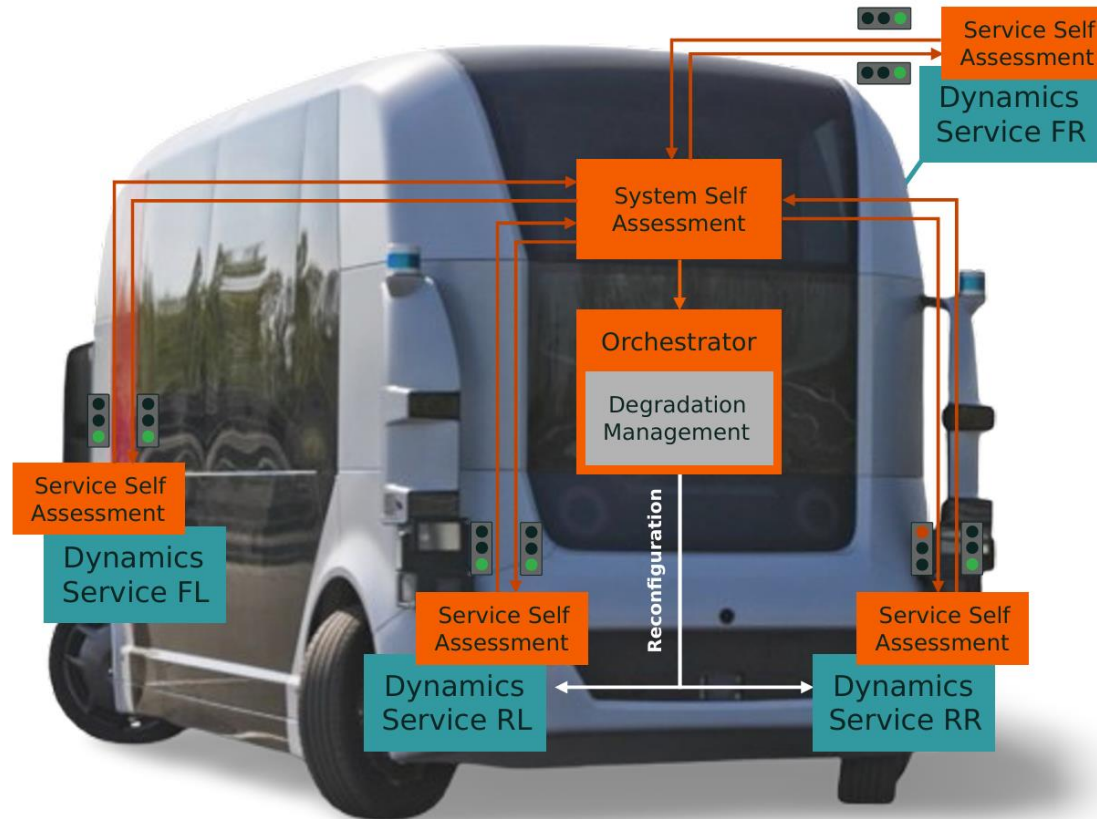
Dealing with uncertainties



Risk management and risk communication

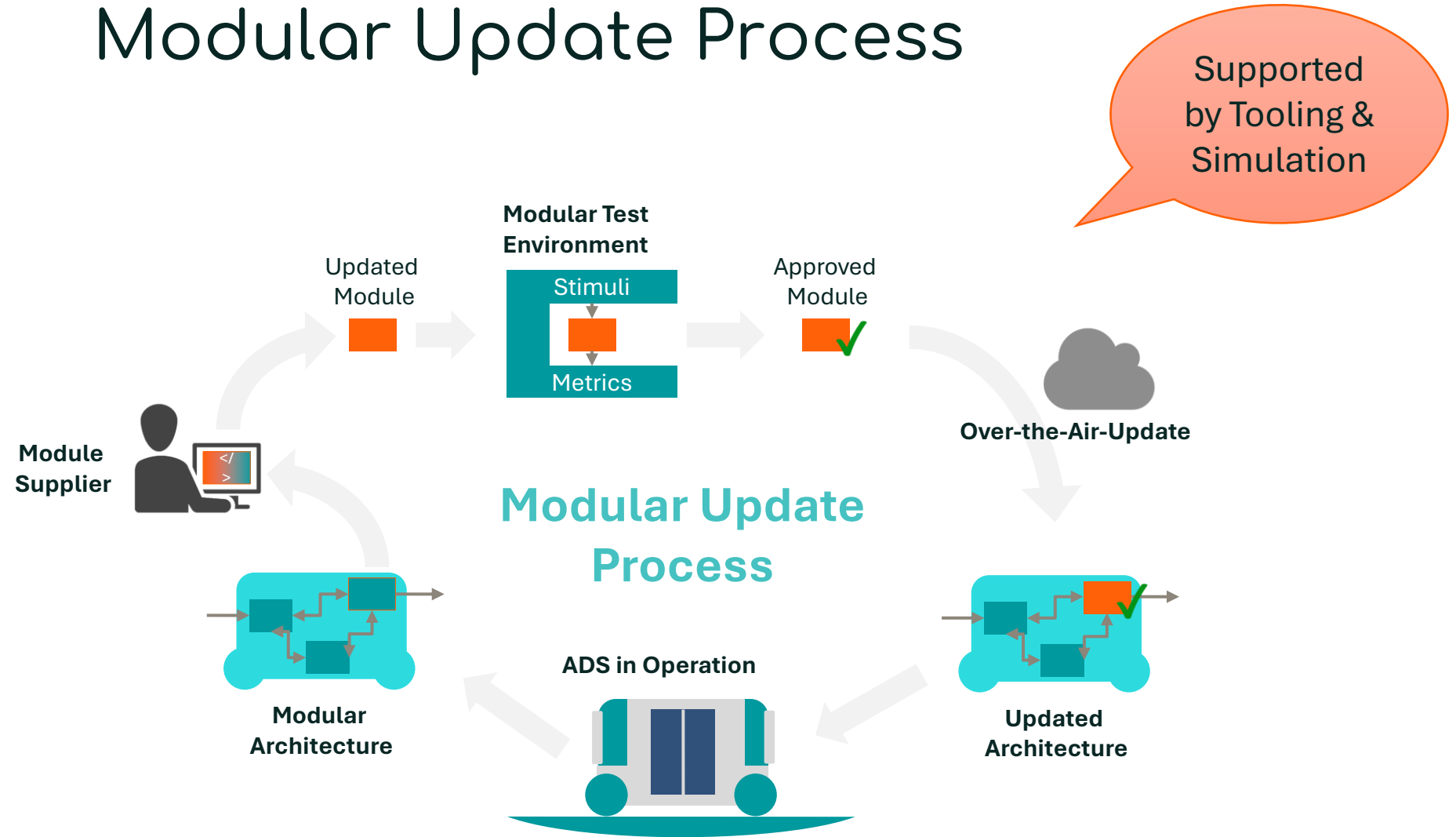
Images: flaticon.com

Self-Assessment and Self-Adapation at Runtime



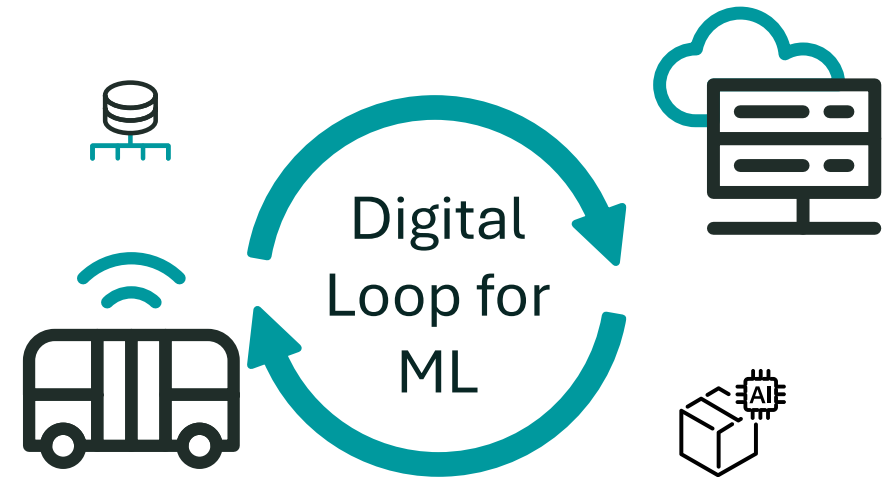
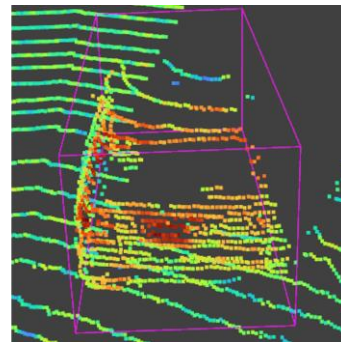
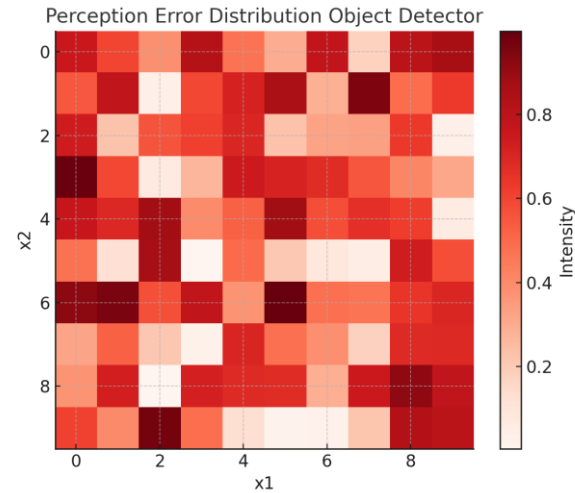
R. Schubert et al., "Performance Assessment and Management in Service-Oriented Architectures for Automated Driving Systems"

Modular Update Process



A. Blödel: „Approaches and Challenges in the Development of a Modular Safety Approval“

Machine Learning Safety Assurance and Explainability



A. Kuznietsov, M. Lilienthal, "Safety Assurance of AI functions"

Defending against Cyber Attacks

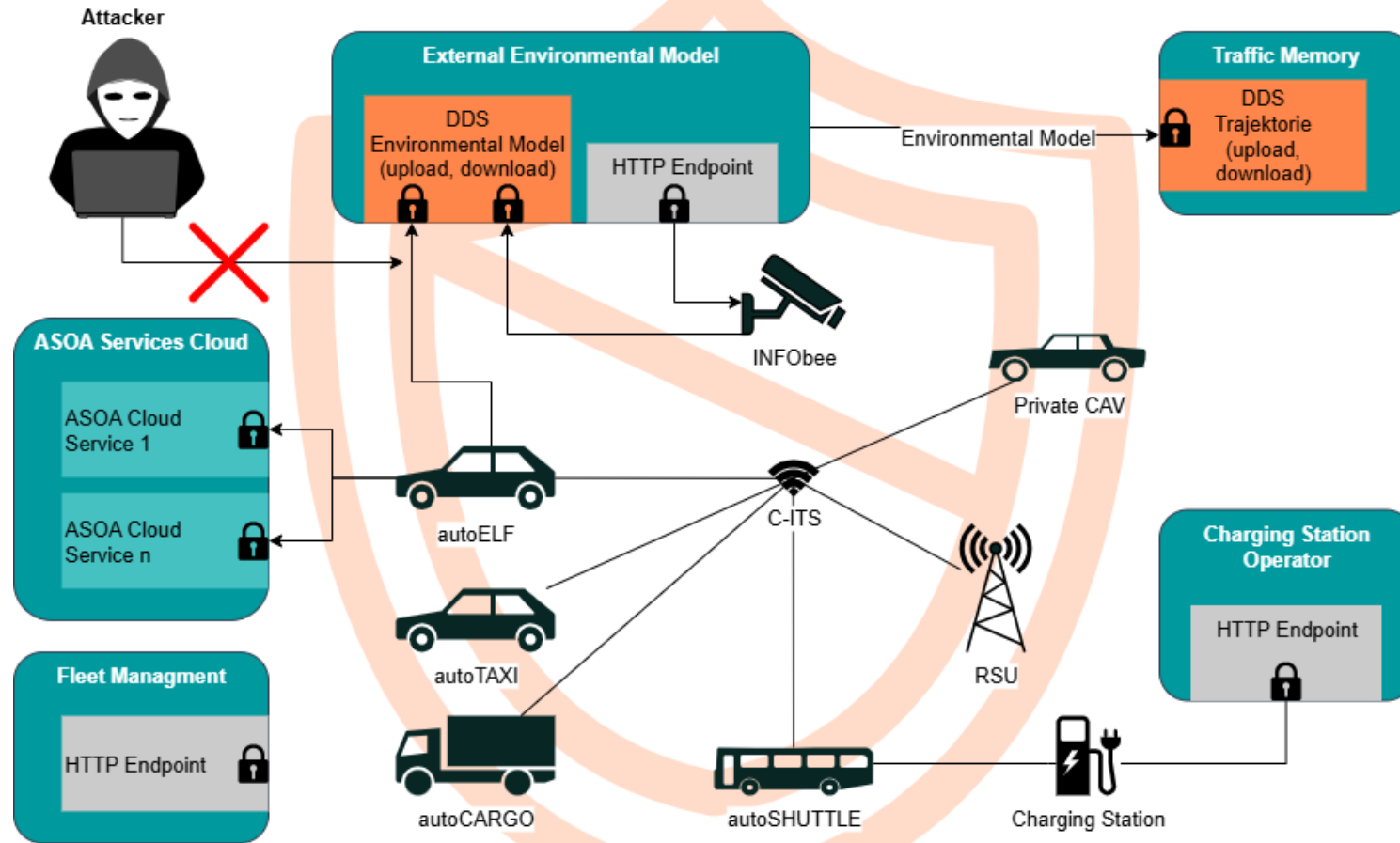


Figure: T. Wothge

Risk Communication



Images: flaticon.com &
ika, RWTH Aachen