

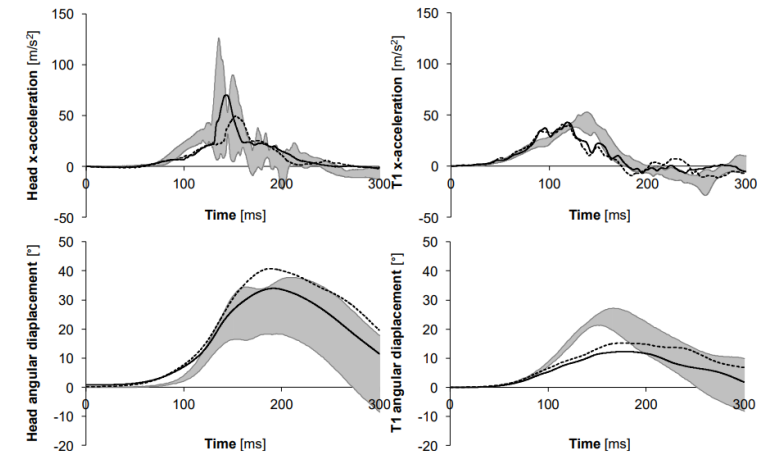
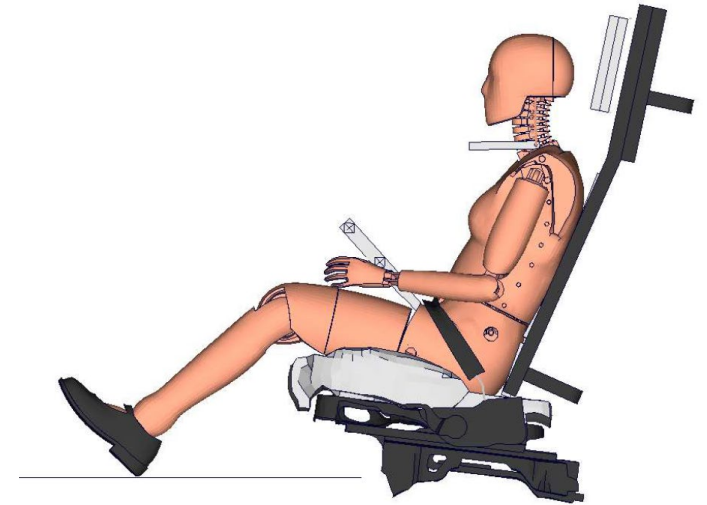
Roadmap to EvaRID

EvaRID V1.5

FE Model

- V1.0 developed in ADSEAT project
 - Runtime 2009 - 2012
 - Partners Chalmers, VTI, Faurecia, Humanetics, TU Graz, AGU Zurich, ..
 - Specified anthropometry, response corridors from volunteer tests, injury thresholds

V1.5 includes quality and robustness updates without affecting Biofidelity



Comparison EvaRID against corridors from ADSEAT volunteer tests at Δv 6.8 km/h (Lemmen et. al.2013)

Hardware Dummy

- Development well underway on hardware ATD
 - Hardware twin to EvaRID CAE model
 - Essence scaled from BioRID II-UN to 50th Female size
 - Incorporates lessons learned from BioRID II-UN
- Improvements from BioRID II-UN to address
 - Repeatability and reproducibility
 - Ease of use
 - Durability
 - Outer shape for torso based on newer anthropometry data for 50th Female
 - Integration of onboard DAS



Hardware Dummy

- Project timeline 2025-2026+
 - Build prototypes
 - Test and verify biofidelity & durability
 - Validate repeatability and reproducibility
 - Solicit feedback from select users
- Release date not yet announced

