# Content:

- BioRID v2.5 (still available)

    - Extraction of results in an sports car seat

- BioRID v3.0 update

    - Planed changes in the Model
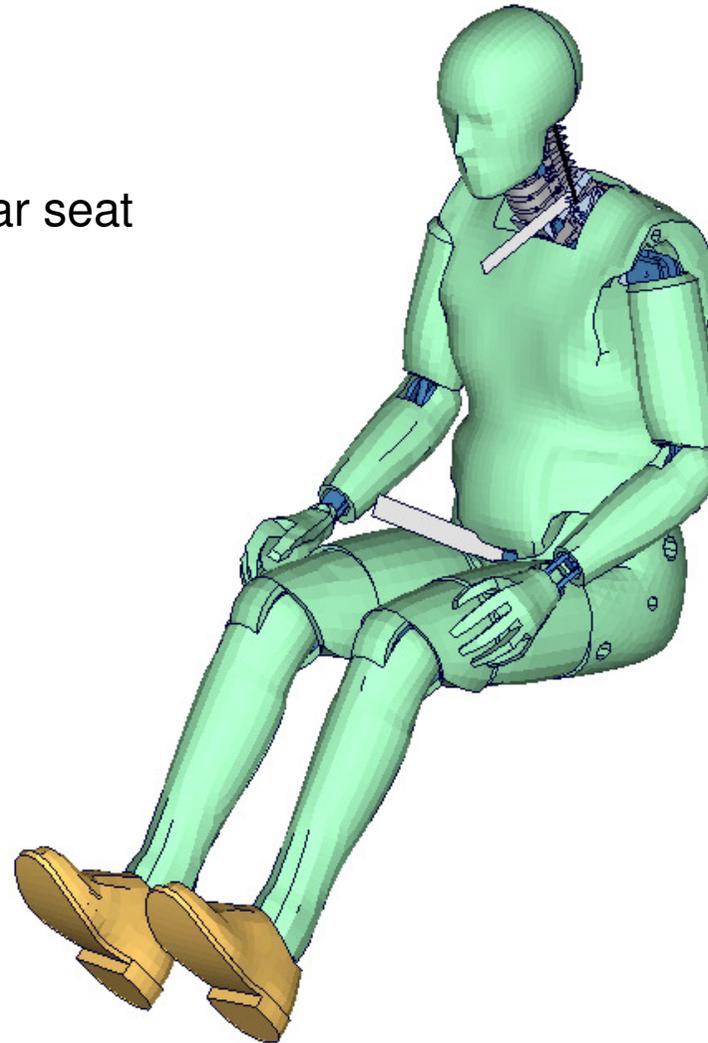
BioRID v2.5 validation tests:

- Component tests:
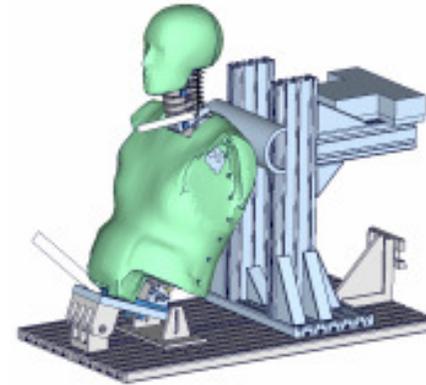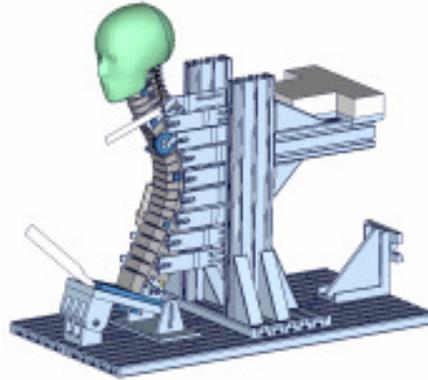
- Simplified seat tests
  (full dummy validation BioRID v2.0)
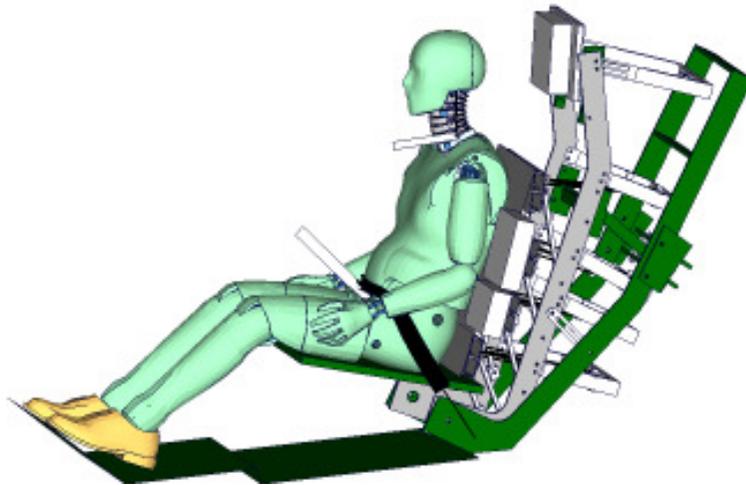
- Sports car seat tests
 (full dummy validation BioRID v2.5)
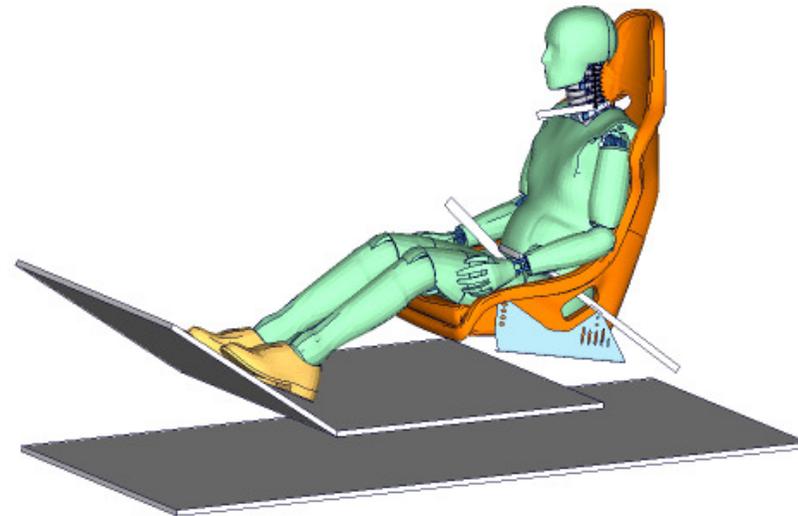
BioRID v2.5 in sports car seat in use of the SRA16 Pulse:

- The sled is loaded by an 5 g trapezoidal pulse.
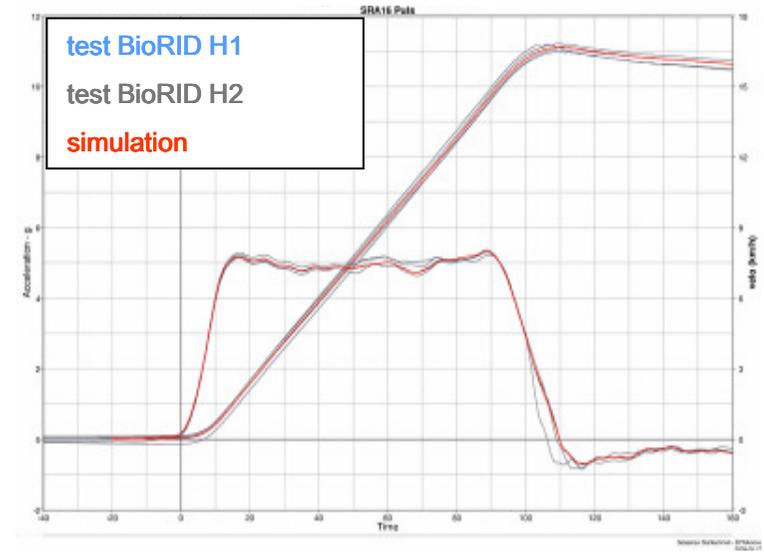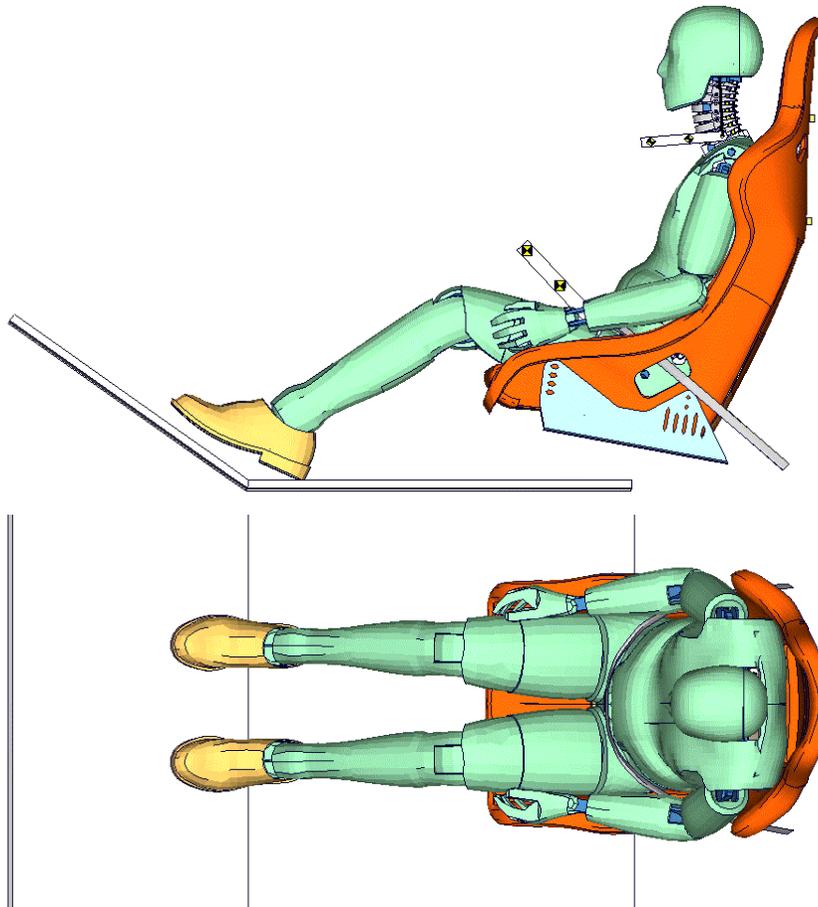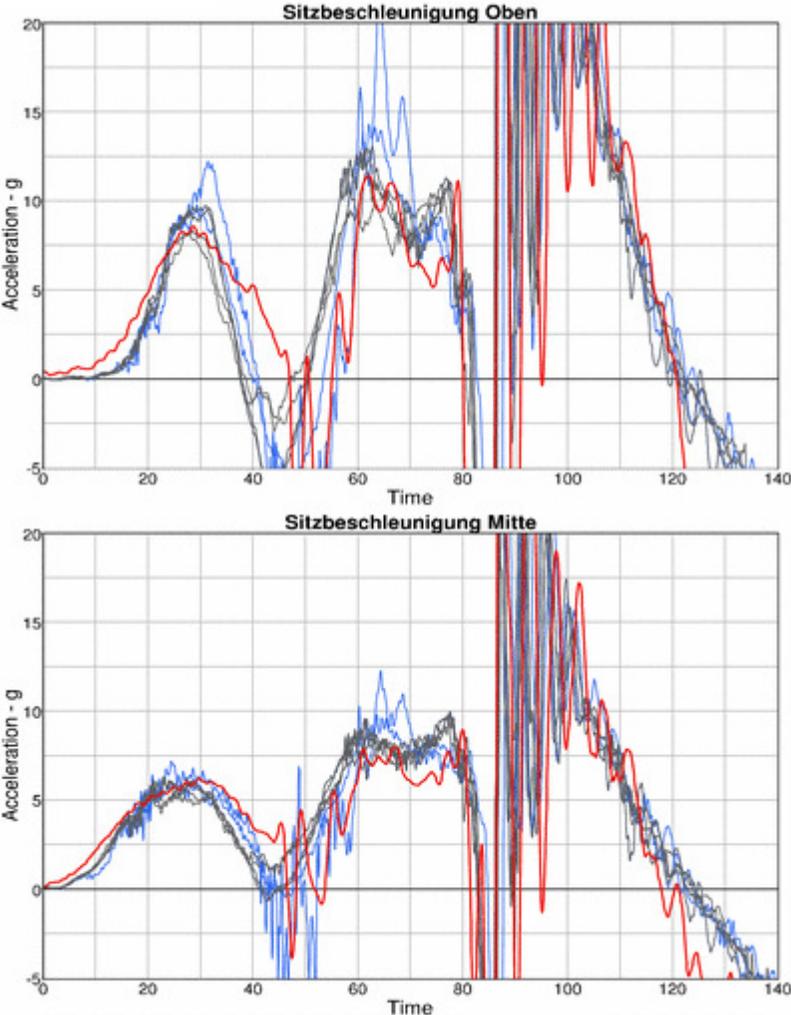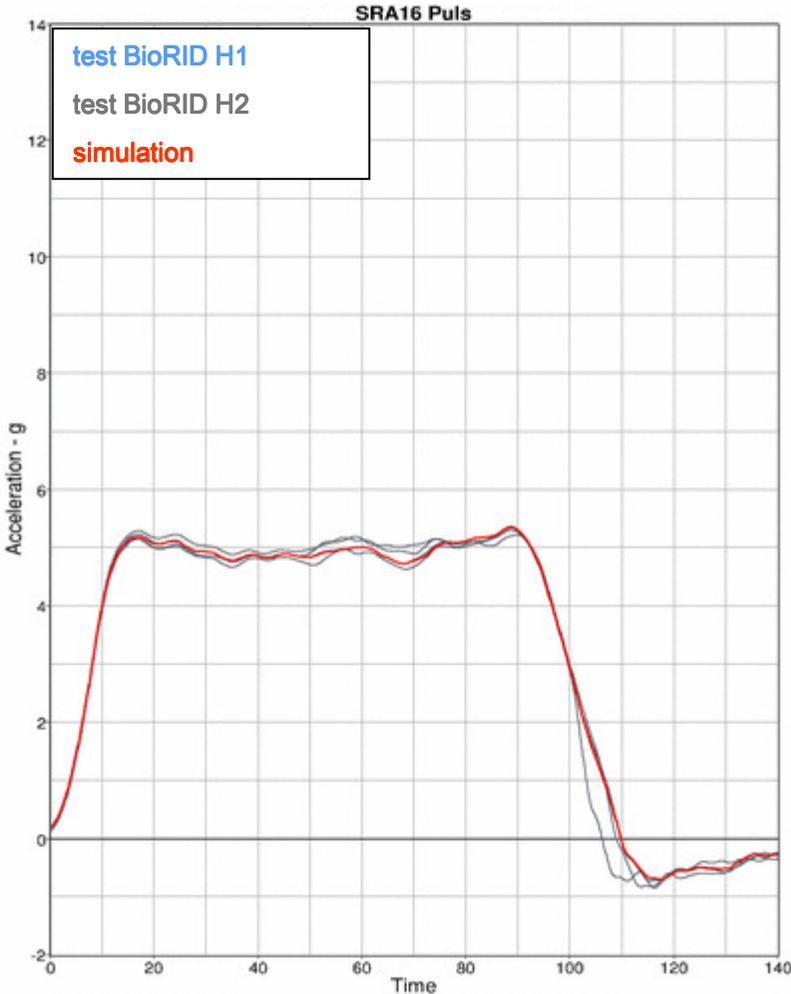
test BioRID H1
test BioRID H2
simulation

Results of BioRID2: SRA16 pulse

Results of BioRID2: SRA16 pulse

Results of BioRID2: SRA16 pulse

Results of BioRID2: SRA16 pulse

test BioRID H1
test BioRID H2
simulation
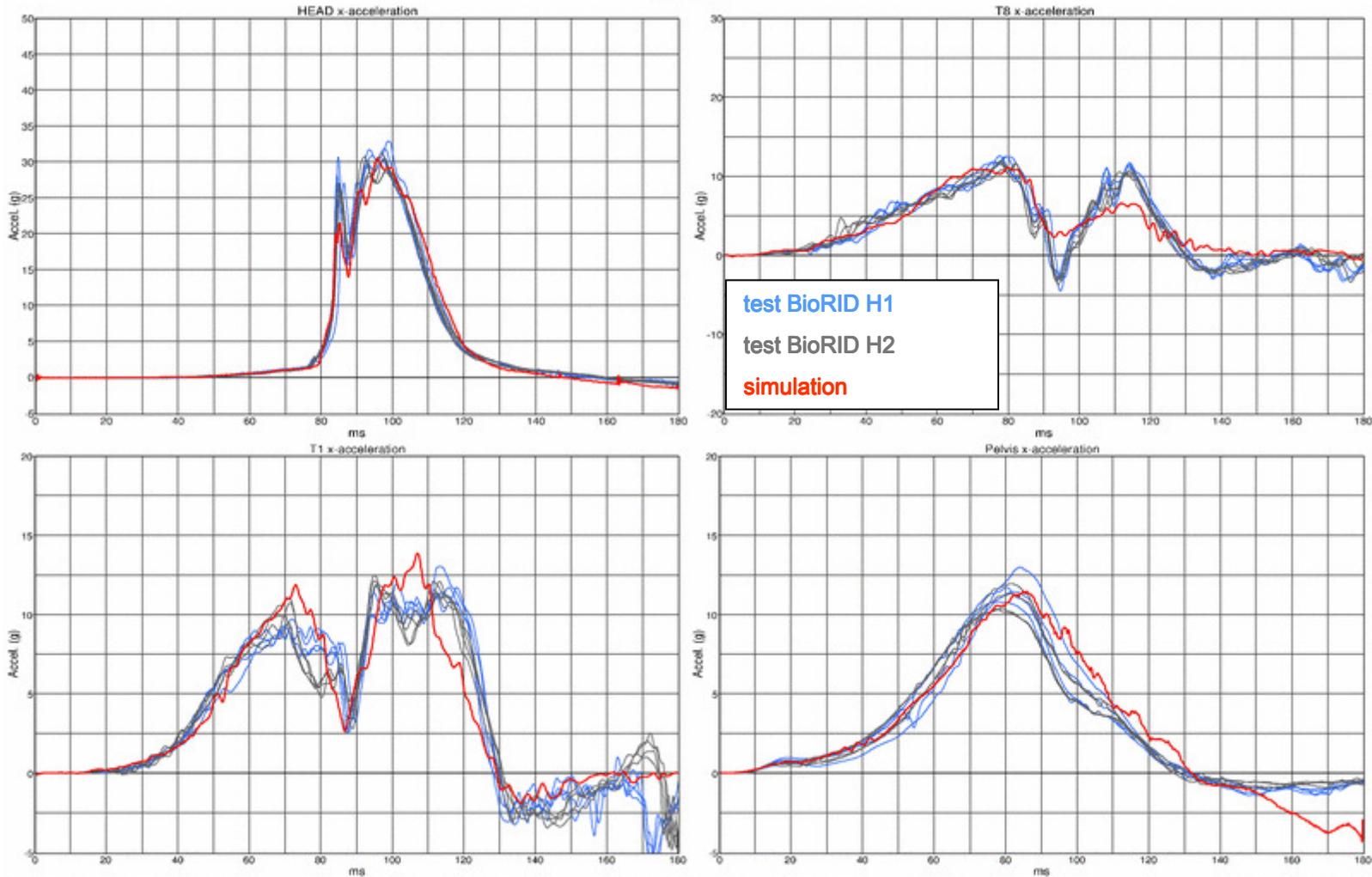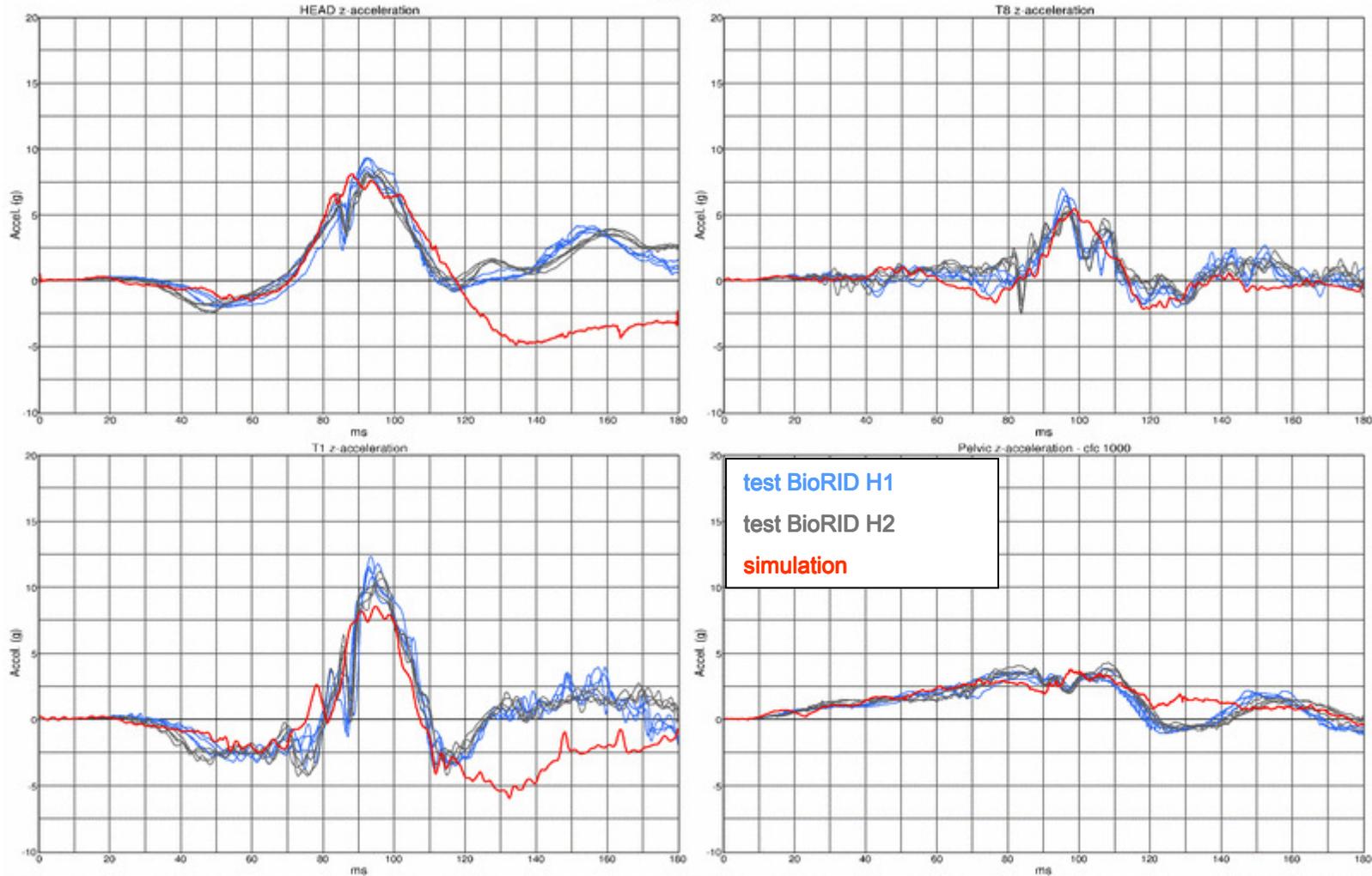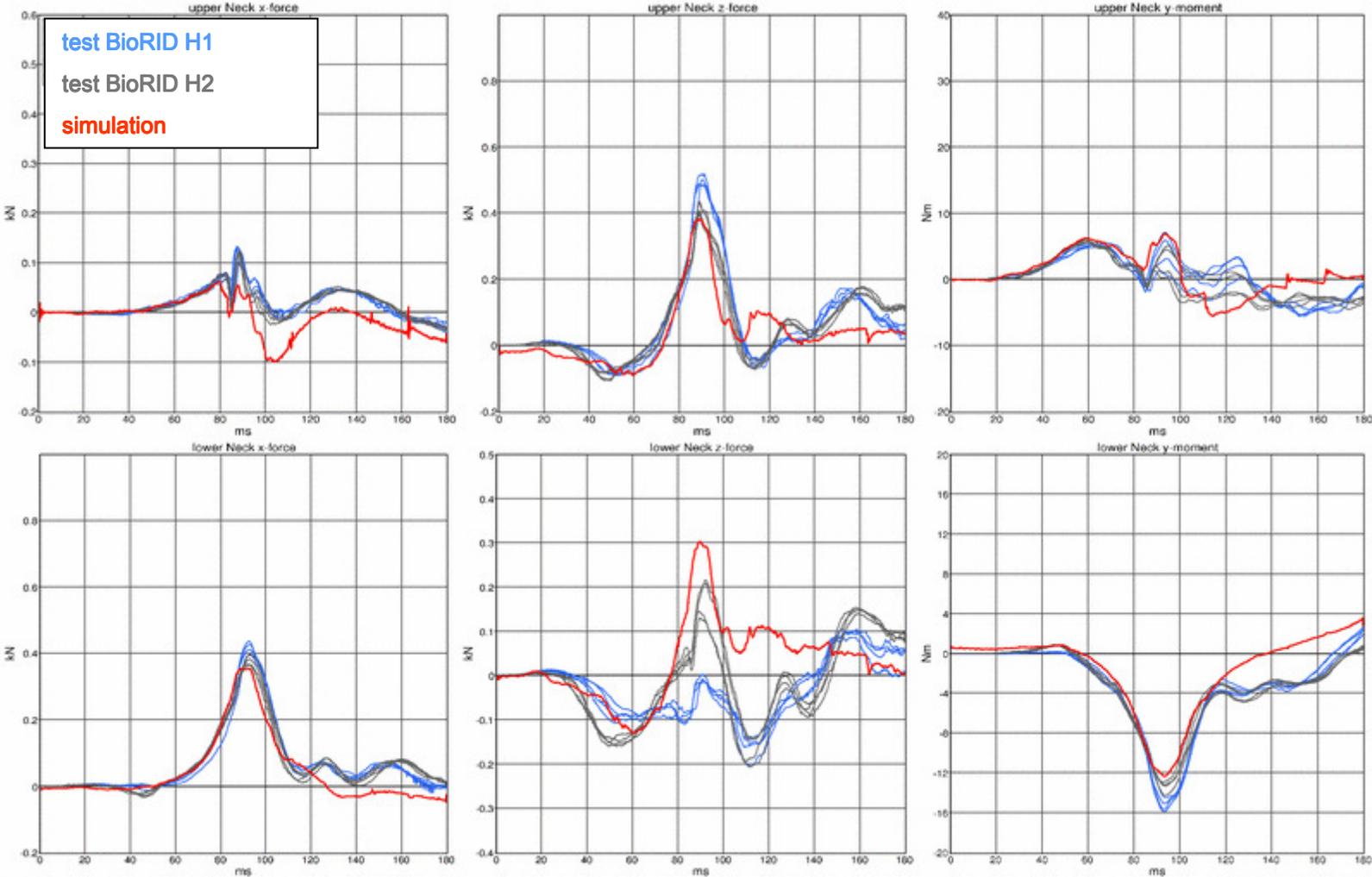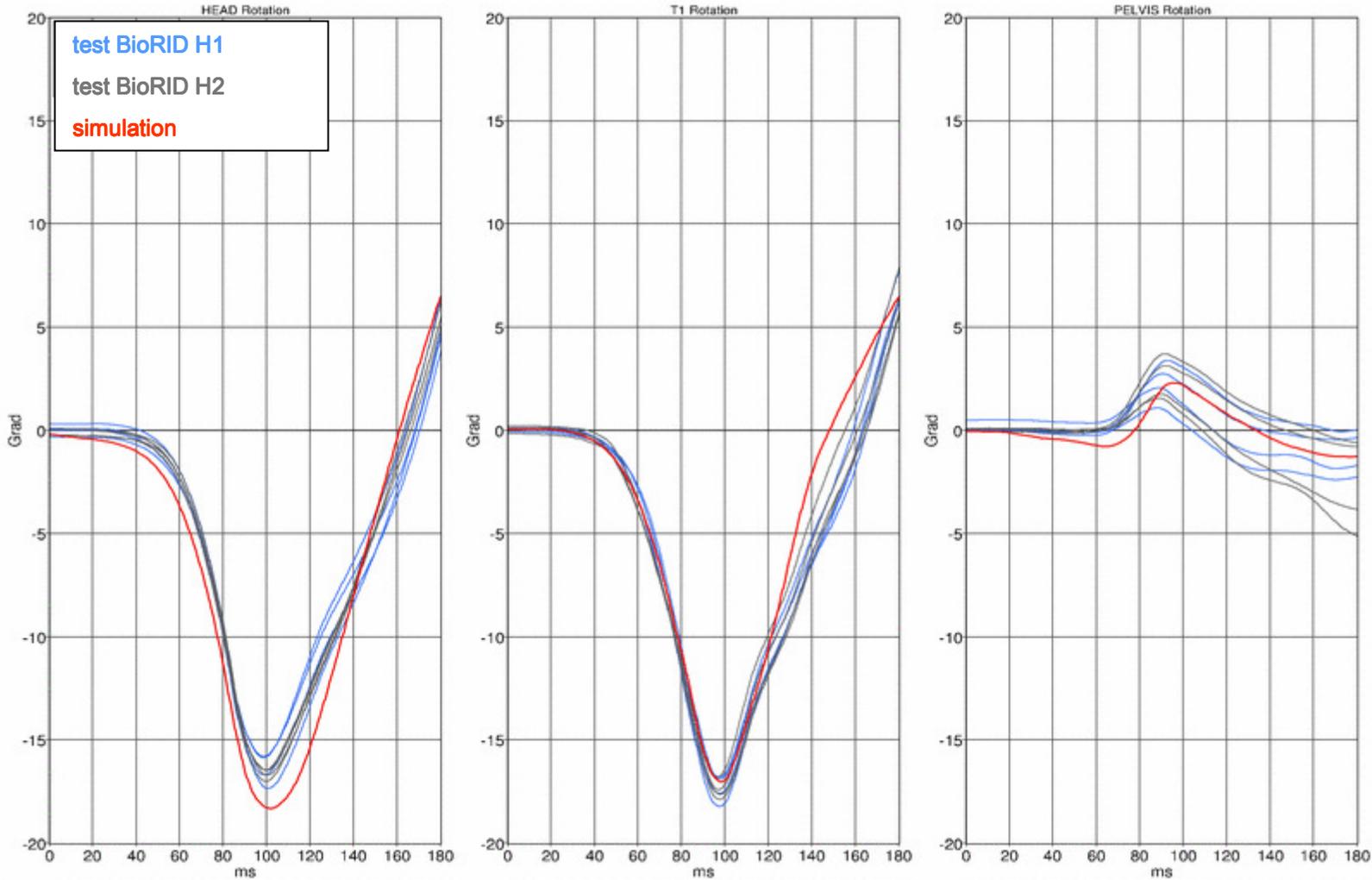
Results of BioRID2: SRA16 pulse

Results of BioRID2: SRA16 pulse
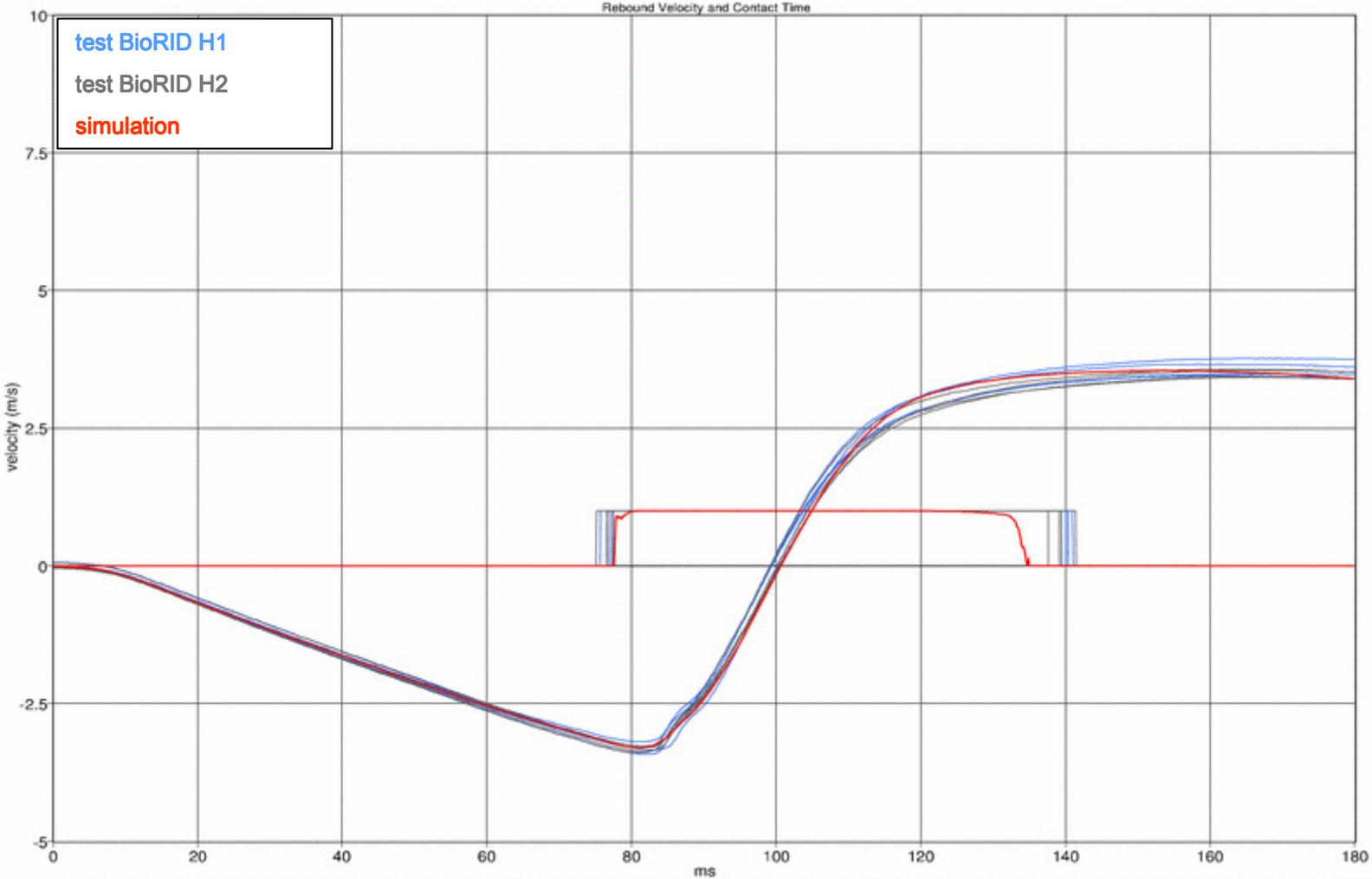
BioRID v3.0 updates:

- The focus of the BioRID v3.0 update is on the usability of the model

- The current BioRID models use for the neck cable seatbelt elements and a lot of slip rings

- Due to positioning simulations in use of an full deformable BioRID model the seatbelt elements move through the slip rings because the neck is deforming

- For further simulations after this process all seatbelt elements must be meshed new, or repaired by using a small program
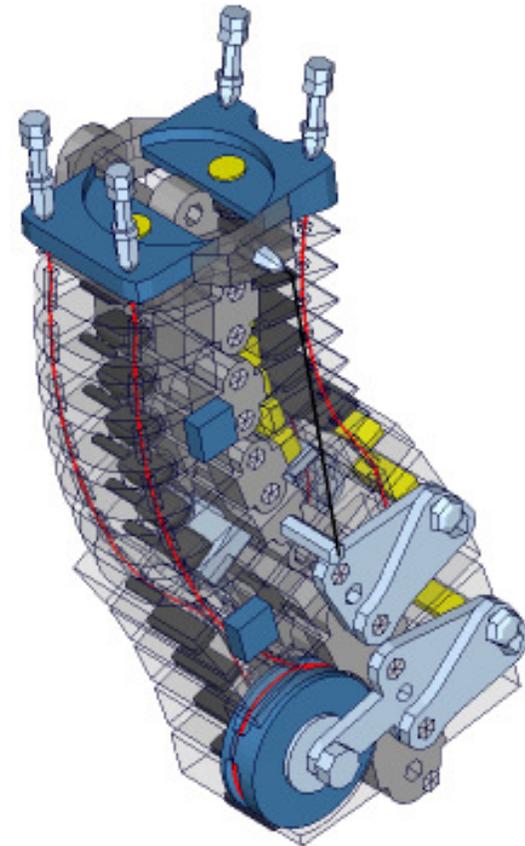
BioRID v3.0 updates:

- For the BioRID v3.0 all seatbelt and slip ring elements should be removed from the model

- The cable is then modeled in use of normal beam elements which also provide a bending stiffness in the cable

- The cable is in an normal contact to the vertebras and the cable path is backed by an CONTACT_GUIDED_CABLE
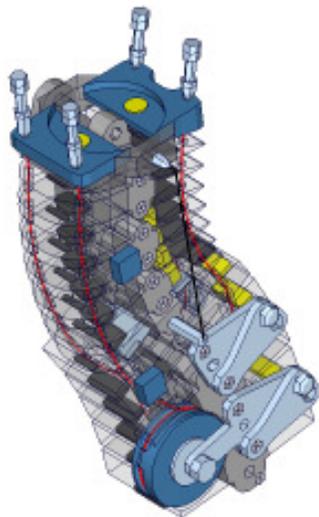
Seatbelt elements
guided by slip rings

Beam elements
guided by contacts
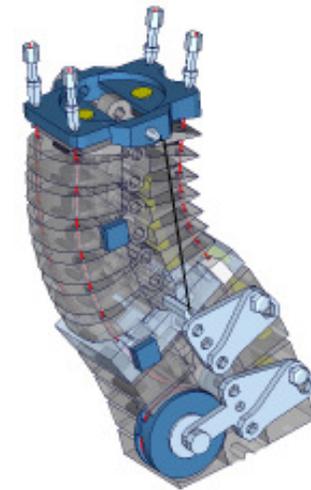
BioRID v3.0 updates:

- Because of this modeling technique the BioRID tests have to be validated all over again

- The main component of the BioRID model is changed and the validation of the component tests is at the moment in progress.

- After the validation of component tests the full dummy tests are validated for the BioRID v3.0

DYNA
MORE
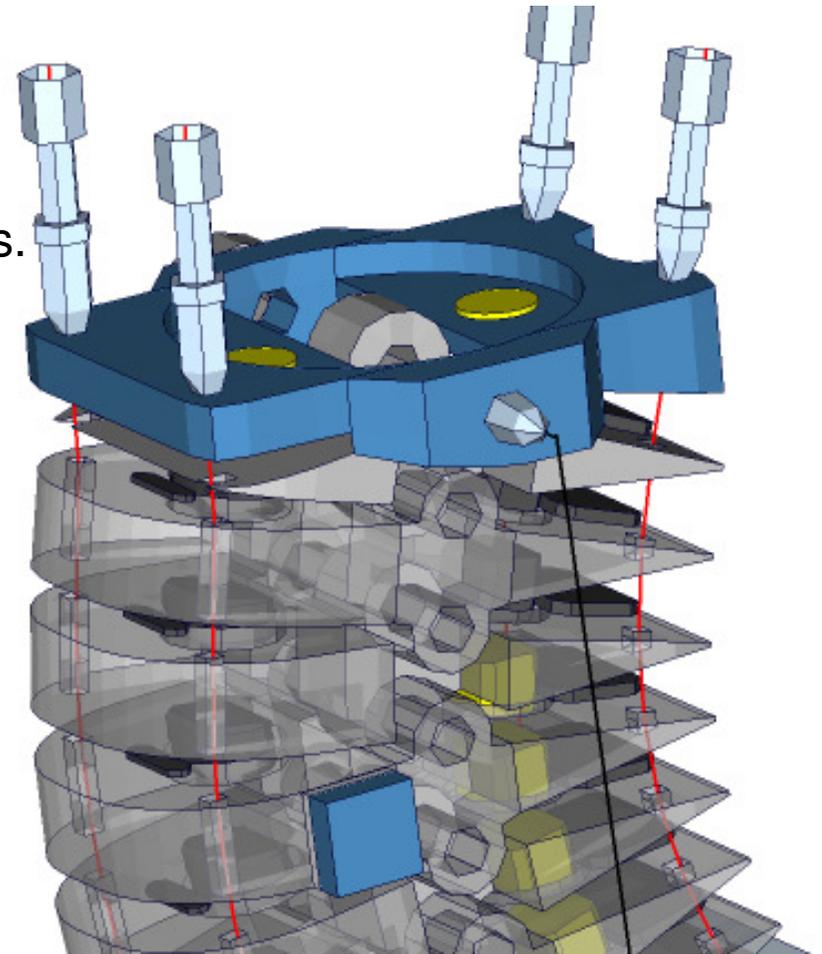
BioRID releases schedule:

- BioRID v2.5 is still available

    - Since November 2008

- BioRID v3.0 is still in progress

    - Planed fore July 2010