

## ATD Models

Q3, Q6 and Q10

Hybrid III 3YO and Hybrid III 6YO

Hybrid III 5th, 50th and 95th %ile

## Human Body Models

PIPER 6YO

CHARM 10YO

THUMS 5th

THUMS 50th

## Pre and Post Processor

Hypermesh from Altair

ANSA from Beta-CAE

Meya from Beta-CAE

LS-PrePost from LSTC

## Solvers

LS-DYNA

RADIOSS

ANSYS

MADYMO

## Computing Power

8-core local cluster with 32Gb RAM

16-core local cluster with 64GB RAM

64-core remote cluster with upto 1TB RAM

## Validated Models Developed

FMVSS 213 Bench: Current and Upgraded

CAD and FE models of all Child Seats in the United States Market as of April 2017

Usable vehicle models from NHTSA NCAC