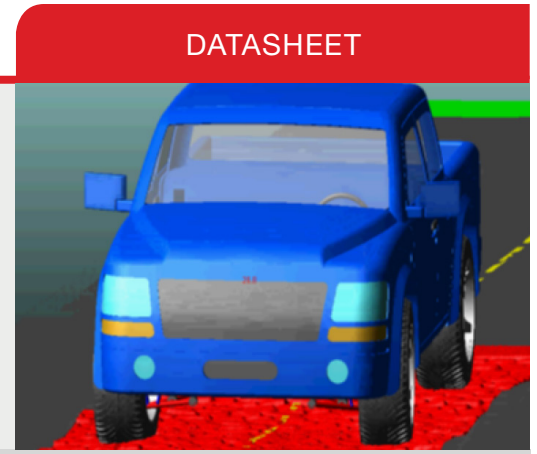


Adams EncVPG for HORIBA MIRA Virtual Proving Ground

World's First Commercially Available Virtual Proving Ground to Material Data



Overview

EncVPG is an Adams toolkit developed in close collaboration with HORIBA MIRA to be able to use their encrypted Virtual Proving Ground in combination with Adams/View or Adams/Car.

The objective for automotive OEMs and Tier 1 suppliers is to adopt fully analytical methods, thus reducing or eliminating the need for physical prototypes to acquire wheel force data. The challenge is that any change to the vehicle model would affect the wheel forces over a given road and therefore require re-acquisition of the wheel forces. For a fully-analytical process it therefore requires a vehicle model and a tire model as well as a road model.

Virtual proving grounds are the ultimate form for road models but to protect their intellectual property they tend not to be commercially available. However HORIBA MIRA have made their proving ground commercially available in an encrypted crg format and the Adams EncVPG toolkit will make it possible to use these encrypted roads within Adams. EncVPG is available for both Adams/View as well Adams/Car and works with any tire model available in Adams.

The HORIBA MIRA Virtual Proving Ground offers a detailed reconstruction of the physical proving ground and is available in three different bundles:

- Pave
- Ride and Handling
- Full Proving Ground



Capabilities

- Easy to use installation wizard
- Read encrypted HORIBA MIRA Virtual Proving Ground roads
- Restricting graphical output
- Works with Adams/View and Adams/Car
- Works with any tire model in Adams
- CPU time is not negatively influenced

Benefits

- Provides fully-analytical process for wheel force data that reduces need for physical prototypes

Requirements

- Windows 32 & 64 bit - Linux
- Adams Versions: 2015 onwards

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