

Customising the model build/setup process using JavaScript in Oasys PRIMER

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This paper illustrates how complex model build processes can be streamlined using customised scripts in Oasys PRIMER. The use of such scripts helps both to reduce the time of model build and eliminate errors in model setup.

The JavaScript interface was added to Oasys PRIMER in version 9.3. Subsequent versions of PRIMER have added support for more LS-DYNA keywords and specialist PRIMER functions.

The JavaScript capability is now being used extensively to customise and improve the building and setup of LS-DYNA analyses in areas such as:

- Pedestrian impact
- Occupant positioning
- Crash model build to standard regulatory tests

A number of real world examples are presented demonstrating the use of scripting in Oasys PRIMER.