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## An Innovative Transient Post-Processing Approach for a Full Car Thermal Validation Study



STAR-CCM+ and FieldView have been used, through an extract based post-processing workflow, to analyze a very large transient simulation case. This method not only allowed to monitor simulation results over time, such as the maximum temperature of thousands of car parts and their comparison with the critical temperature of each material. But also to investigate transient phenomena interactively, in order to gain better understanding. To our knowledge, this work is unprecedented in the automotive industry.

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### Industries:

[Ground Transportation](#) [2] ? [Ground Transportation - Application](#) ? [Thermal Heat Protection](#)[3]

### Products:

[STAR-CCM+®](#)[4]

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