

VOLVO: Analysis process automation within VPD Braås

Challenge

- Reduce lead time.
- Improve quality of results.
- Secure conformity between engineers.
- Minimize repetitive tasks.

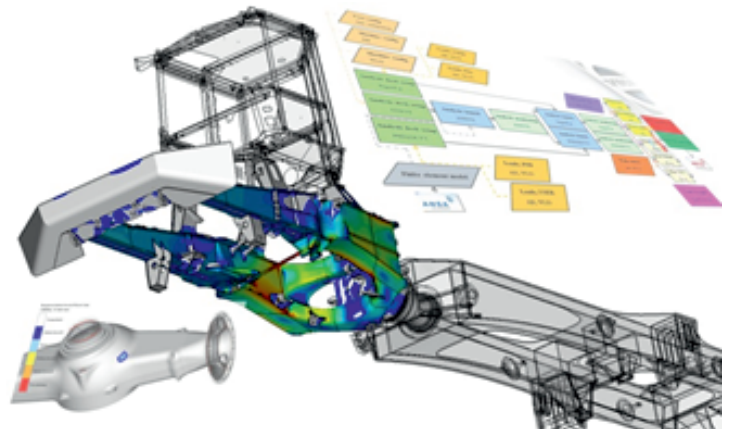
Approach

Firstly, the processes with several consecutive analyses, long solution times and input had been identified. Tasks within processes, implying heavy administrative work, were also included. While, processes build up of several consecutive tasks were also considered suitable.

Results - Benefits

Using ANSA and META:

- Allows easy access to intermediate data e.g. for manipulation of bulk data.
- Facilitates model build and update in a way that systematicity can be exploited i.e. re-use of hard points etc.
- Allows for tailor made post-processing of method dependent results i.e. in house derived results leading to up to 90% time-saving.
- Can easily be executed in batch e.g. of post-processing tasks.



"Features of ANSA and META facilitates analysis process automation. It is considered to be a great advantage that the same pre- and post tool can be used independently of FE-solver. ANSA allows for several engineers to work with the same models in an organised manner. A project with high pressure was finalised one week ahead of schedule!"

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