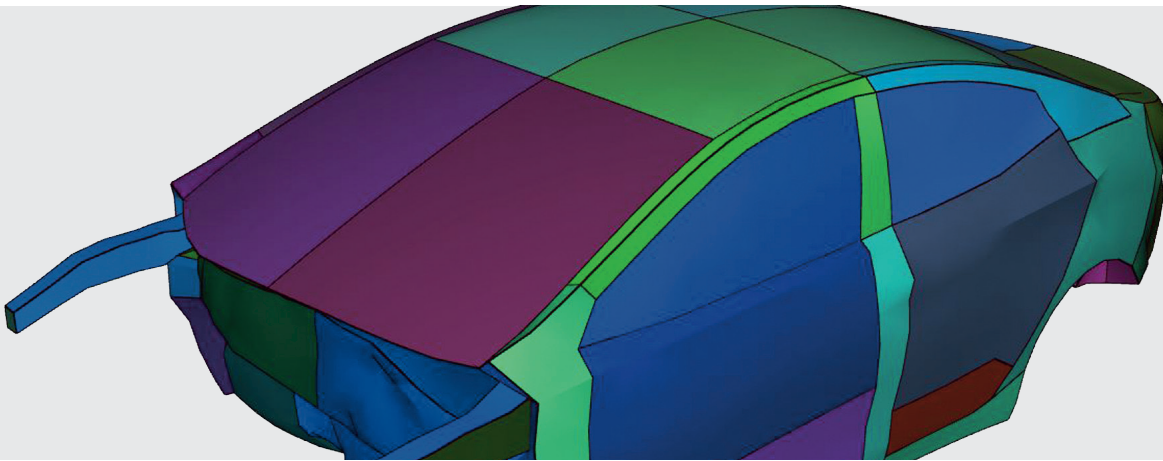


REVAMP – Sound Package Design in a Complete Vehicle Model



REVAMP can predict the impact of trim parts inside the passenger compartment. It is based on the existing Statistical Energy Analysis (SEA) theory.

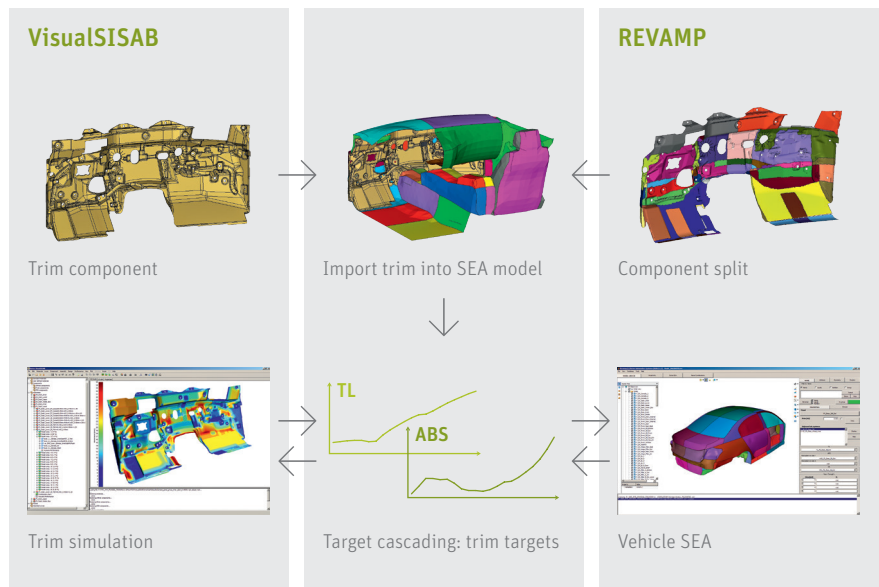
REVAMP is specifically designed to carry out typical sound package development and optimization tasks in the mid- and high-frequency range.

The unique benefits:

- A dedicated interface which supports the building and analysis of SEA models of vehicles
- The Panel Contribution Analysis (PCA), which allows the determination of dominating acoustic transfer paths
- The Target Cascading Analysis (TCA), which cascades vehicle noise level targets down to acoustic component TL and ABS targets
- Compatible with other commercial SEA tools
- Based on over 20 years' experience in SEA modeling

Example:

Interfacing with VisualSISAB, the Autoneum simulation tool for the acoustic performance of acoustic parts, REVAMP can predict the effect of 3D parts and their modifications in the vehicle.

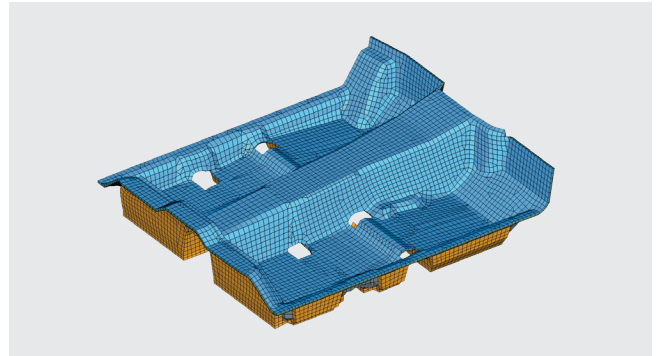


Autoneum. Mastering sound and heat.

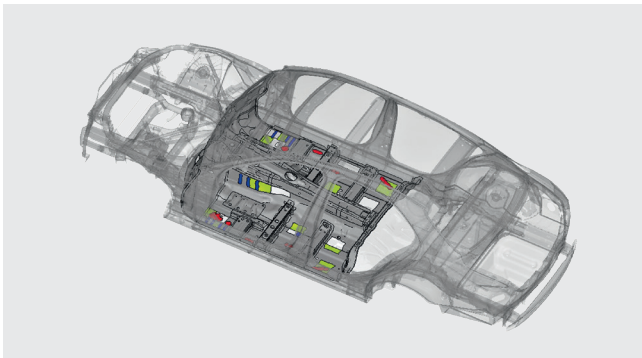
Autoneum's full range of Simulation Tools

Autoneum has designed a full range of Simulation Tools based on our long-standing expertise in vehicle acoustics and thermal management. Our tools predict and optimize NVH in the concept phase to provide our customers with cost-effective solutions and reduced lead times. We are able to thoroughly evaluate all required input data for this process thanks to our broad range of measurement systems.

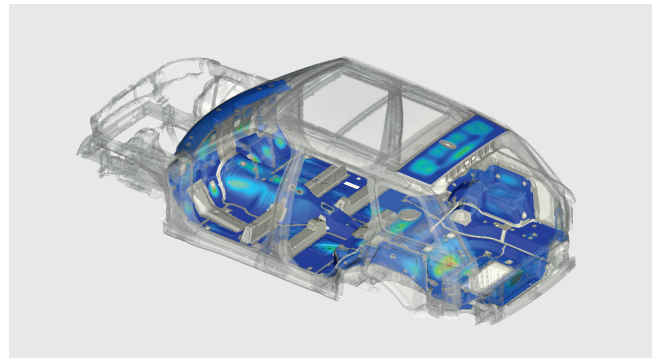
From simulation to validation, Autoneum offers the right solution.



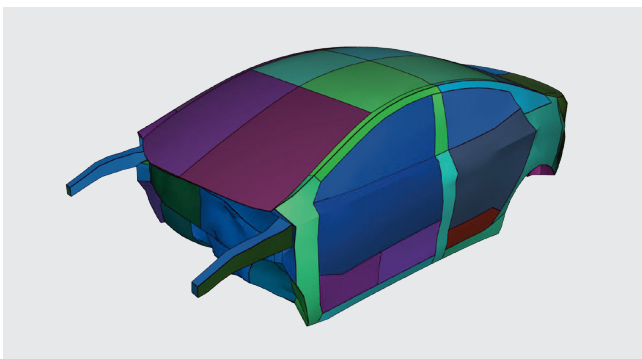
TREASURI2 is the Autoneum Finite Elements (FE) solution for trim simulation in a complete vehicle model.



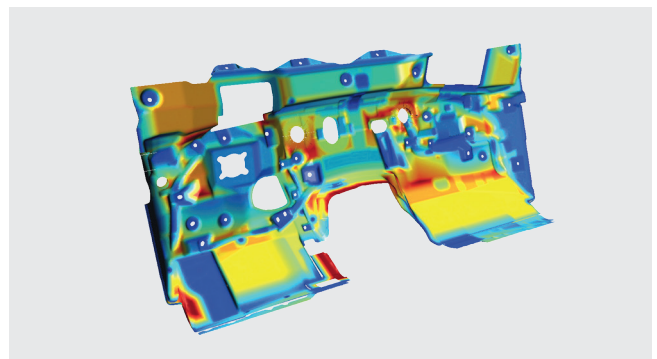
GOLD optimizes simultaneously the damping package and vehicle body panel shape, for weight reduction and full body mid-frequency vibration.



SILVER is the simulation tool that identifies the ideal location of dampers thanks to a single vibration FE simulation using NASTRAN.



REVAMP is the SEA tool for the design of airborne noise sound package in a complete vehicle model.



VisualSISAB calculates transmission loss and absorption performance for sound package parts directly from CAD data.

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