

AVL

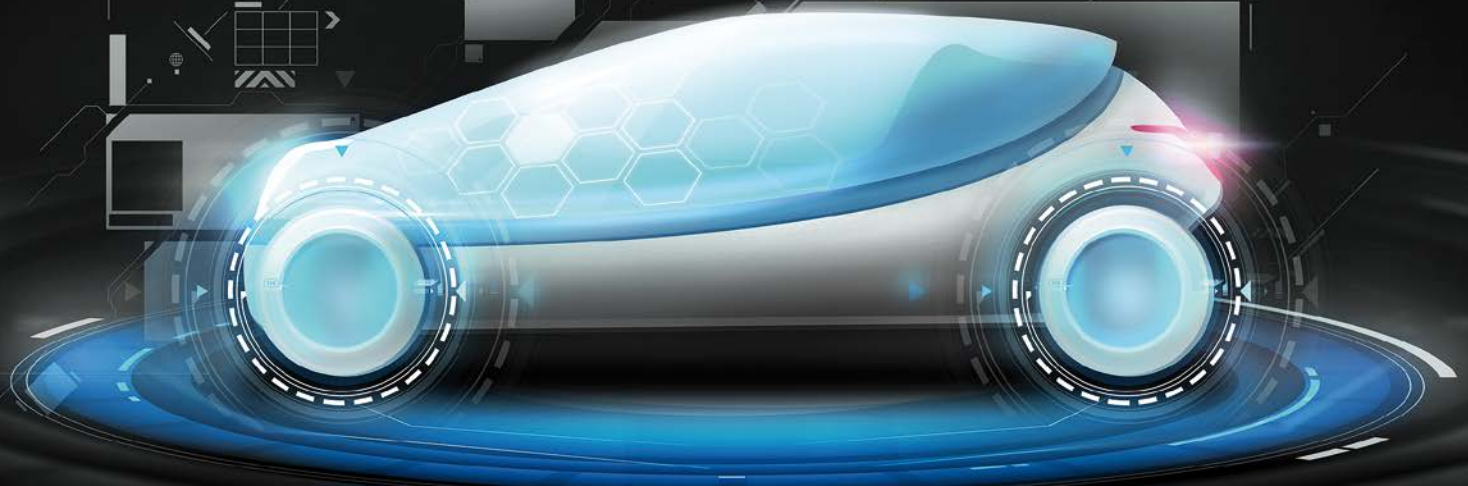


ENGINE SPEED
HARMONY

ACCELERATION
PERFORMANCE

KPIs

PEDAL TO ACCELERATION
CORRELATION



AVL SPA™

Objectively assess your shift strategy

THE CHALLENGE

The calibration of driving and shift strategies in modern hybrid vehicles and conventional powertrains is characterised by conflicting requirements – particularly those concerning driveability, as these typically employ subjective evaluation methods. Without any objective criteria for shift strategy assessment it is hard to objectively analyze, benchmark, transfer and brand your driveability.

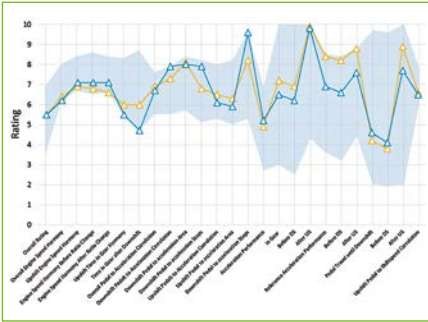
THE AVL SOLUTION

AVL SPA™ is the ideal solution to assess and optimize shift strategy in terms of drivability offline, using more than 30 objective rating criteria for a detailed analysis. The simplified vehicle model makes prototype vehicles redundant, thus transferring the shift strategy calibration to the virtual world.

THE ADDED VALUE

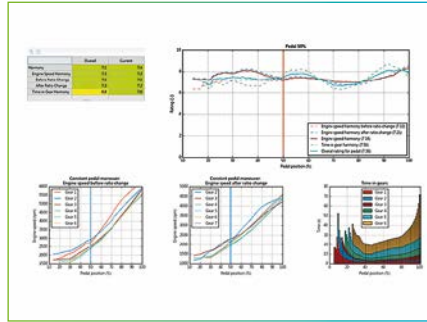
- Reduce prototype vehicles – perform driveability calibration and evaluation in the virtual world
- Reduce development and testing time up to 40 %
- Drastically reduce costs
- Design and assess your shift strategy and fulfill your brand specific requirements

SOLUTION OVERVIEW



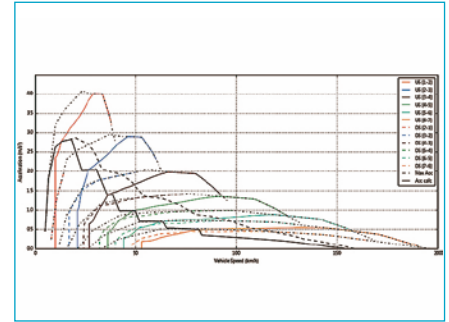
BENCHMARKING SERVICE

Compare customer vehicles to others



ANALYSIS AND CALIBRATION SERVICE

- Define brand driveability through analysis of calibration and performance data
- Calibration of shift strategy based on AVL SPA™ assessment



SOFTWARE PRODUCT AVL SPA™

- Software license
- Software support



REDUCE DEVELOPMENT TIME AND TESTING TIME

- Reduce time for base shift line layout up to 40 % depending on number of variants and calibration take over level
- Early start of shift strategy calibration, even without prototype
- Easy transfer of shift strategy driveability to different vehicle variants



REDUCE COSTS

- Reduce manpower for testing due to SPA assessment
- Reduce/no prototype vehicles
- Reduce environmental tests



INCREASE PRODUCT QUALITY

- Objectively compare shift strategy calibration
- Visualize the effects of calibration changes to brand driveability
- Easy control of brand driveability

FOR FURTHER INFORMATION PLEASE CONTACT:

AVL List GmbH, Hans-List-Platz 1, 8020 Graz, Austria
Phone: +43 316 787-0, fax: +43 316 787-400, email: info@avl.com, www.avl.com