



AVL Smart ADAS Analyzer™

Boosting your Proving Ground Efficiency

AVL Smart ADAS Analyzer™

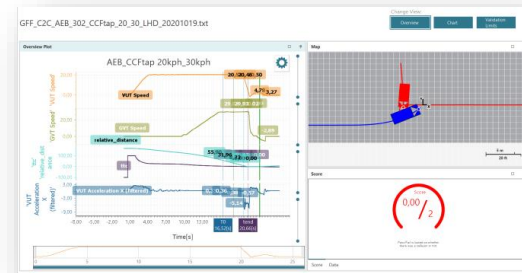
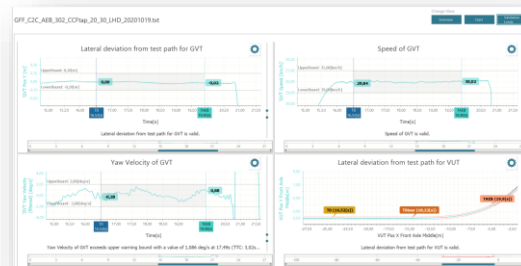
Overview

The Challenge

The Solution

The Added Value

The "AVL Smart ADAS Analyzer™" is a single, independent and open solution for **evaluation and reporting** for active safety testing with pre-defined legal and customer specific content.



Measurement File	Test Date	Score	Report
Vehicle Name: Audi A4 C8			
Scenario: AEB_CPLA_Day			
Test: 50% 45kph			
GFF_VRUI_AEB_302_CPLA_50_45_Day_LHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✓
Scenario: AEB_CPLA_Night			
Test: 50% 45kph			
GFF_VRUI_AEB_302_CPLA_50_45_Night_LHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✓
Scenario: AEB_CPMA_Day			
Test: 25% 25kph			
GFF_VRUI_AEB_302_CPMA_25_25_Day_RHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✗
GFF_VRUI_AEB_302_CPMA_25_25_Day_LHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✗
Scenario: AEB_CPMA_Night			
Test: 25% 25kph			
GFF_VRUI_AEB_302_CPMA_25_25_Night_RHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✗
GFF_VRUI_AEB_302_CPMA_25_25_Night_LHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✗
Scenario: AEB_CPMA_75			
Test: 75% 30kph			
GFF_VRUI_AEB_302_CPMA_75_30_Day_RHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✗
GFF_VRUI_AEB_302_CPMA_75_30_Day_LHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✗
Scenario: AEB_CPMA_75			
Test: 75% 30kph			
GFF_VRUI_AEB_302_CPMA_75_30_Night_RHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✗
GFF_VRUI_AEB_302_CPMA_75_30_Night_LHD_20191127.dat	11-41-01.0.	3,00 / 3 Pts	✗



EURO NCAP		Safety Assist	
AEB Car to Car		CCRm_IU	
Prediction			
Table	Overlap [%]		
	30	25	20
10	4%	1%	0%
15	4%	1%	0%
20	4%	1%	0%
25	4%	1%	0%
30	4%	1%	0%
35	4%	1%	0%
40	4%	1%	0%
45	4%	1%	0%
50	4%	1%	0%
55	4%	1%	0%
60	4%	1%	0%
65	4%	1%	0%
70	4%	1%	0%
75	4%	1%	0%
80	4%	1%	0%

ADAS/AD Testing Challenges

Overview

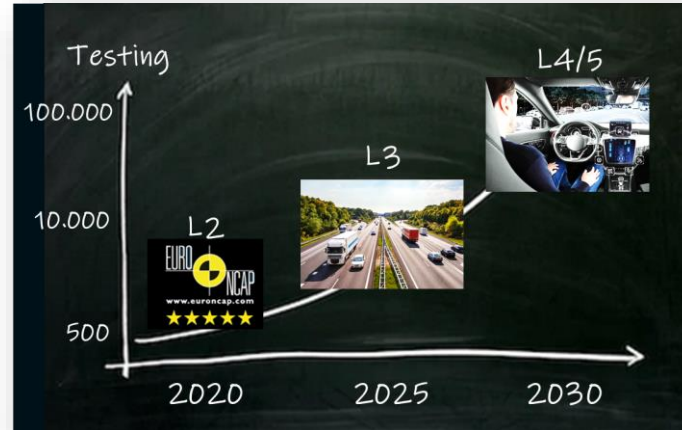
The Challenge

The Solution

The Added Value



Growing number of ADAS/AD features and vehicle variants



Quickly expanding demand on ADAS/AD testing and increasing complexity of testing scenarios



Variations of consumer and legal regulations that differ from market to market

AVL Smart ADAS Analyzer™

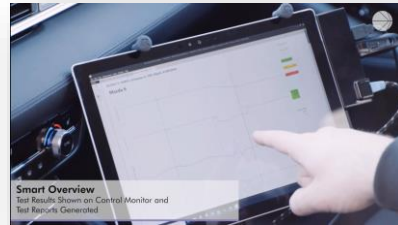
Efficient workflow, optimized test execution and evaluation

Overview

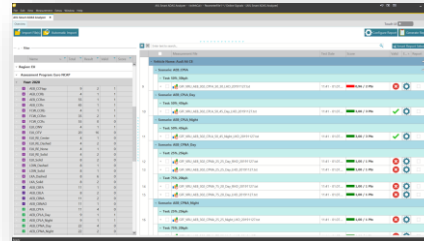
The Challenge

The Solution

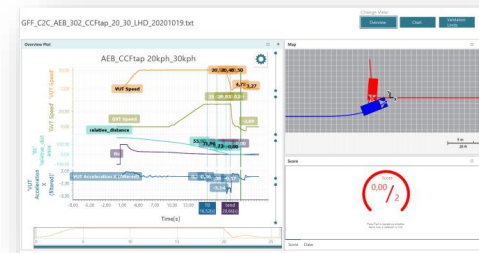
The Added Value



Seamless interface



Instant online validation of test campaign status



Advanced data analysis

Prediction Table	Overlap [%]			
	50	75	100	75
30	AVIA	1	100	75
35	AVIA	AVIA	AVIA	1
40	AVIA	1	1	1
45	AVIA	1	0,5	1
50	AVIA	1	1	1
55	1	1	1	AVIA
60	AVIA	1	0,75	AVIA
65	AVIA	0,5	0,5	AVIA
70	0,5	1	0,75	0,5
75	AVIA	AVIA	0,75	1
80	AVIA	AVIA	0,75	AVIA

Fast report generation

Prepare Test Plan



Prepare Vehicle & Equipment



Test Case Execution



Test Data Analysis

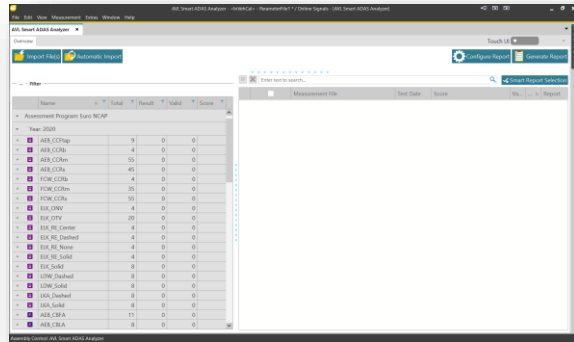


Documentation Reporting



AVL Smart ADAS Analyzer™ Features

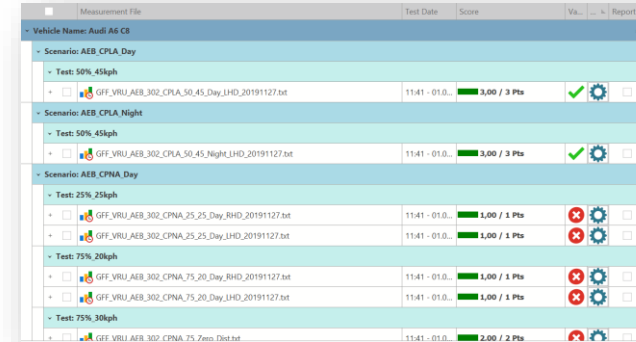
Overview



Simple usage - Faster results

The Challenge

The Solution



Instant test evaluation - Less testing time

The Added Value



Advanced test analysis - Fewer repeats

The screenshot shows a ready report template. It includes logos for EURO NCAP and Safety Assist. The report title is 'AEB Car to Car CCRm_IU'. Below the title is a table with columns for 'Prediction Table' and 'Overlap [%]'. The table contains data for various test speeds and overlap percentages. A score of 0.00/2 is displayed in a red circle.

Prediction Table	-50	-75	100	75	50
30	PN/A	1	1	1	1
40	PN/A	PN/A	PN/A	1	PN/A
45	PN/A	1	0.5	1	PN/A
50	PN/A	1	1	1	PN/A
55	1	1	1	PN/A	PN/A
60	0.5	1	0.75	PN/A	PN/A
65	PN/A	0.5	0.5	PN/A	PN/A
70	0.5	1	0.75	0.75	0.5
75	PN/A	PN/A	0.75	0.5	0.5
80	PN/A	PN/A	0.75	PN/A	PN/A

Ready report templates - Fast report generation

AVL Smart ADAS Analyzer™

Key Benefits

Overview

The Challenge

The Solution

The Added Value



Independent, open and certified Tool



Instant online validation, optimized interfaces and workflows



Content database for worldwide regulations with verified formulas, calculations and results



Open interfaces to PG equipment, testbed and simulation

Request a demo now
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Contact



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