



HEXAGON



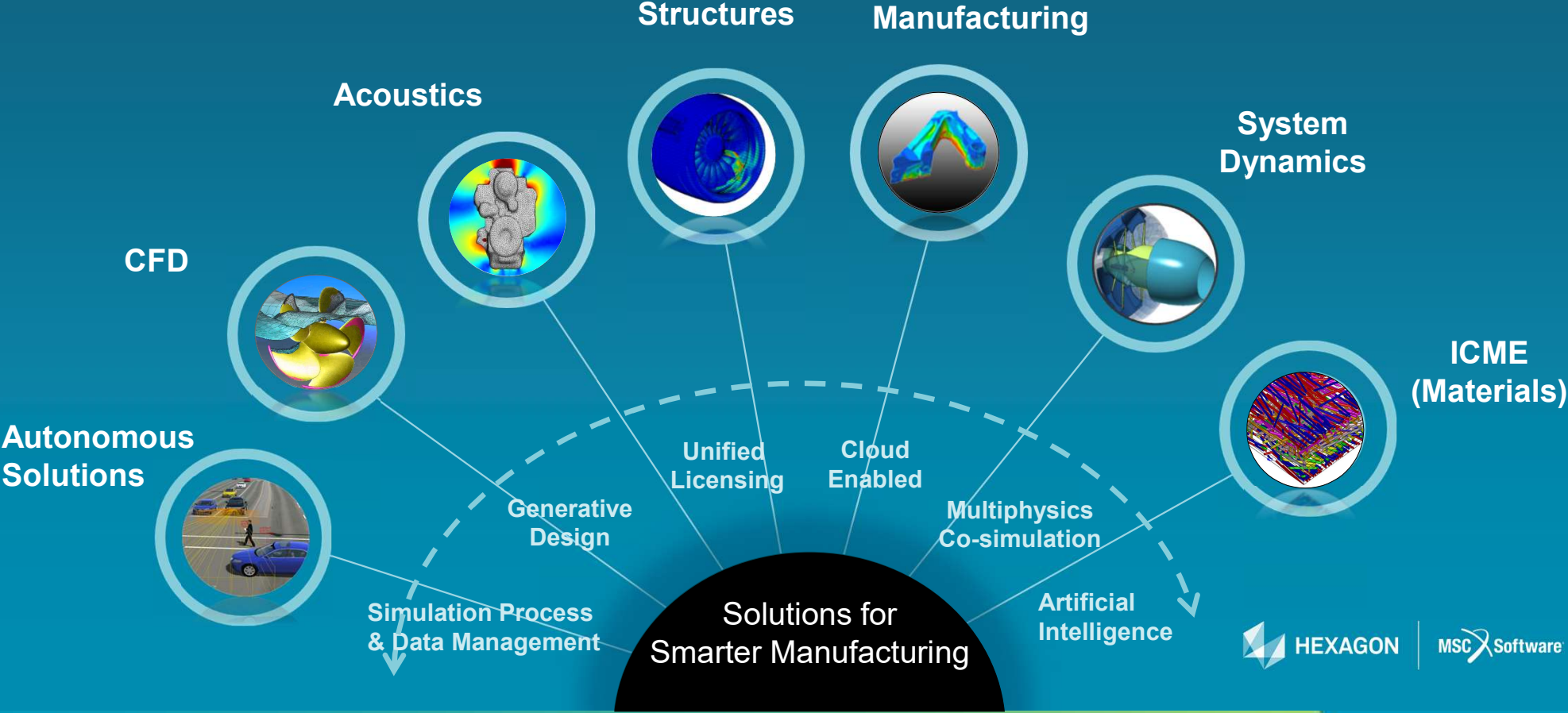
Company Pitch & ODYSSEE News

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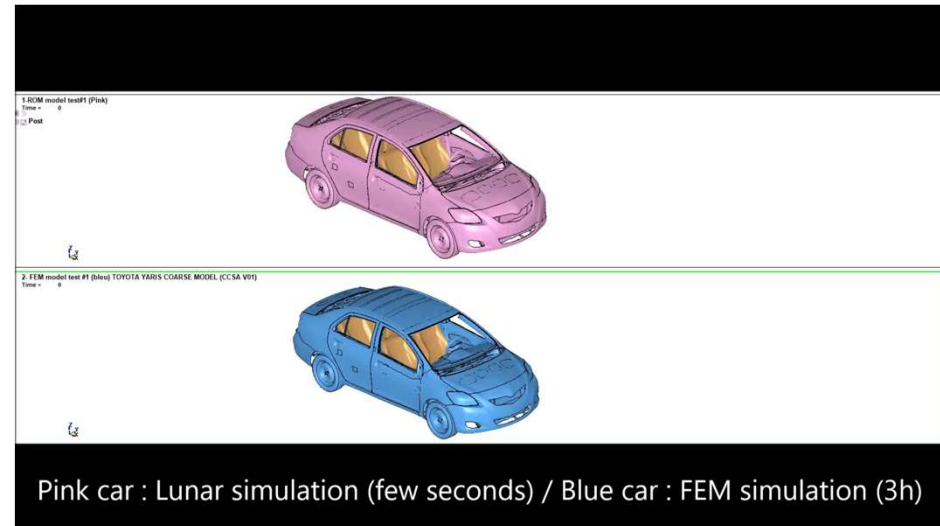
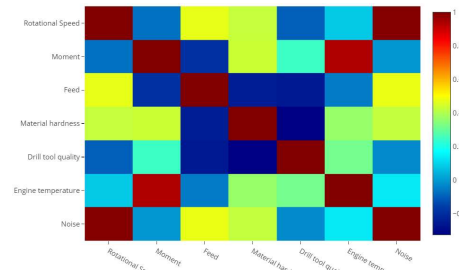
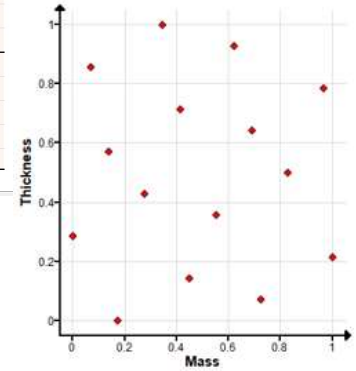
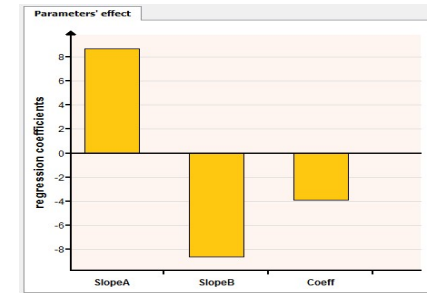
9.6.2021

MSC's portfolio of technology, software & subject matter expertise



CADLM ODYSSEE – Overview

- From available analysis or test results, predict responses for further data points
 - Predict results values, curves and animations
 - Improve parameters of manufacturing processes
 - Modal method: fast with less data
 - Input: csv files (csv can come from any solver or test data)
 - Easy-to-use GUI
 - Can also be used as batch script
 - Optimization, e.g. adapt analysis model to test result curve
 - Image recognition
- Acquired by Hexagon 4/2021

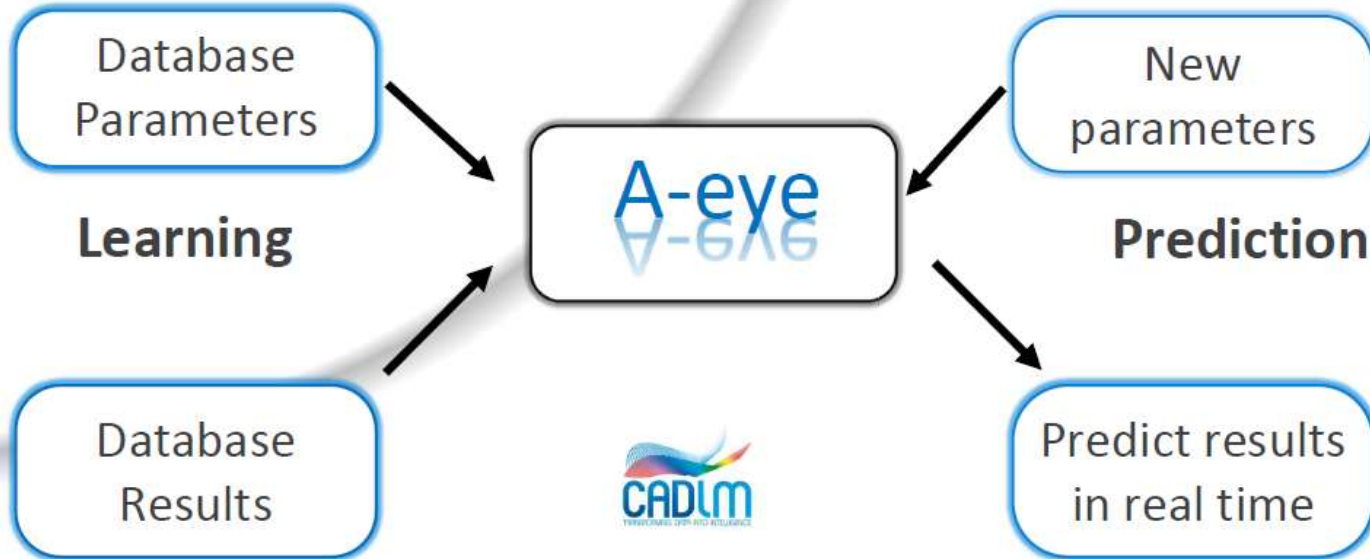


Pink car : Lunar simulation (few seconds) / Blue car : FEM simulation (3h)

A-Eye for Image Based Learning and Prediction



Machine Learning for Images and production



A-Eye

A-eye - 1.2.10.0

? X

CASE	Image	Age	Smoker	Pathology	Severity
<input type="checkbox"/> CASE 1.		53	No	NORMAL	0.0357297
<input type="checkbox"/> CASE 2.		63	No	NORMAL	0.0710791
<input type="checkbox"/> CASE 3.		20	Yes	NORMAL	0.0652949
<input type="checkbox"/> CASE 4.		10	No	NORMAL	0.0646873
<input type="checkbox"/> CASE 5.		35	No	NORMAL	0.0641295
<input type="checkbox"/> CASE 6.		23	Yes	NORMAL	0.0586527
<input type="checkbox"/> CASE 7.		49	No	NORMAL	0.0532793
<input type="checkbox"/> CASE 8.		27	No	NORMAL	0.0617618
<input type="checkbox"/> CASE 9.		20	No	NORMAL	0.0972938
<input type="checkbox"/> CASE 10.		30	No	NORMAL	0.0434955
<input type="checkbox"/> CASE 11.		59	No	NORMAL	0.00748196
<input type="checkbox"/> CASE 12.		80	Yes	NORMAL	0.0503883
<input type="checkbox"/> CASE 13.		41	No	NORMAL	0.048414
<input type="checkbox"/> CASE 14.		71	No	NORMAL	0.0422473
<input type="checkbox"/> CASE 15.		30	Yes	NORMAL	0.035165
<input type="checkbox"/> CASE 16.		52	No	NORMAL	0.0392132
<input type="checkbox"/> CASE 17.		22	No	NORMAL	0.0967165

- Input: images, curves, geometry files
- Run pre-defined customizations in simple user interface
- Create own customizations