

Agenda – day 1

Time	Duration	Session	Session Lead
9:00 AM	00:20	Welcome	Patrick Coulter
9:20 AM	00:15	Agenda review / minutes from last meeting	Dan Williams
9:35 AM	01:00	Software update / demonstration	Dan Williams
10:35 AM	00:15	Coffee break	
10:50 AM	00:30	Member update 1	PSA
11:20 AM	01:00	Technical session 1 - Simulation	Pete Cherns
12:20 PM	01:00	Lunch	
1:20 PM	00:25	State of Industry Report	Dan Williams
1:45 PM	00:30	Member update 2	Honeywell
2:15 PM	01:00	Technical session 2 - Data and Knowledge management	Dan Williams
3:15 PM	00:15	Coffee break	
3:30 PM	00:30	Member update 3	GM
4:00 PM	01:00	Technical session 3 - PLM integration	Arthur Fairfull
5:00 PM		Adjourn	
7:00 PM		Consortium Dinner - Walton Hall, Directors' Suite	

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“State of the Industry” report

Dan Williams



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MATERIAL INTELLIGENCE

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What is it?



An annual report on the state of Materials Information Management within the automotive industry

- What is the collective industry vision?
- What is driving industry to this vision?
- What are the steps in the roadmap to reach this vision?
- Where, on average, is the industry today in this roadmap?
- What is the Return on Investment for each step forward?

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Why do it?

- A tangible result of AutoMatIC collaboration – for you and your management
- Defines quantitative metrics for our progress
- Establishes AutoMatIC as the leading authority on materials information management in the industry
- Helps to focus consortium on practical next steps
- Helps articulate investment and value to your organization for each step in the roadmap

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Report content



Materials Information Management in the Automotive Industry

2015 Report



1. Executive summary; major areas of change since previous report
2. Drivers for better materials information management in the automotive industry
3. State of industry matrix
 - Where is industry in general?
 - Where is the average AutoMatIC consortium member?
 - What are the investments and returns for moving to each level?
4. Conclusions: what are the likely next steps for the industry in 1 year? In 5 years?
5. Appendix: level definitions

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Industry trends and drivers – 2015 results

Driver	Score
Desire to reduce time-to-market through a more streamlined engineering process	4
Increasing use of CAE/simulation is forcing us towards better data management	4
Increased corporate standardization of PLM and other engineering software	3
Technology : our legacy data management systems are becoming outdated or unsupported	2
Quality : desire to eliminate product/part failures through better understanding of materials	1
Desire to reduce complexity and increase knowledge sharing between global sites	1
Lightweighting : emissions reduction standards are driving new material adoption	0
Risk reduction initiatives, e.g. pro-active restricted substance avoidance, eco-informed design	0
Direct cost reduction , e.g. optimal material selection to reduce cost	0
Innovation : we need to gain market share through innovative use of materials	0
Desire to reduce complexity and increase communication across supply chain	0

LR	PSA	GM	KSPG	Honeywell
X	X	X		X
X	X		X	X
X	X	X		
		X		X
			X	

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Industry status matrix – 2015 results (1/2)

Roadmap theme	Subject	Level				AutoMatic Self-Assessment					
		1	2	3	4	JLR	PSA	GM	KSPG	Honeywell	Average
IT infrastructure	Hardware / infrastructure	-	█	-	-	2	1	4	3	1	2.2
	Data security	-	█	-	-	2	1	2	3	1	1.8
	Global synchronization	█	-	-	-	1	1	2	2	1	1.4
Data model	Data schema	-	█	-	-	2	3	2	2	1	2
Data management	Collection of data	█	-	-	-	1	1	1	2	1	1.2
	Standardization of data	-	█	-	-	2	1	2	2	1	1.6
	Workflow	█	-	-	-	1	1	2	2	1	1.4
Materials Engineering & Simulation	Advanced materials qualification	-	█	-	-	1	3	2	1	1	1.6
	Data provision for CAE	-	█	-	-	3	2	3	3	1	2.4
	Materials expertise	-	█	-	-	2	2	3	2	1	2

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Industry status matrix – 2015 results (2/2)

Roadmap theme	Subject	Level				AutoMatic Self-Assessment					
		1	2	3	4	JLR	PSA	GM	KSPG	Honeywell	Average
Materials approval	Internal processes	-	█	-	-	2	2	3	2	2	2.2
	Integration with supply chain	-	█	-	-	2	2	4	1	2	2.2
Selection & Specification	CAD and PLM integration	-	█	-	-	2	1	2	2	2	1.8
	Selection rules	-	█	-	-	2	2	2	1	2	1.8
Risk reduction	Material portfolio analysis	█	-	-	-	1	1	3	1	1	1.4
	Risk reduction in design	-	█	-	-	1	2	3	1	1	1.6
	Reporting on product portfolio	-	█	-	-	1	3	3	2	1	2

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Next steps

	Roadmap	GRANTA MI	Industry report	Technical projects
Autumn meeting	Understand top Epics Add/remove/modify Epics	Demo latest/ upcoming features	Review draft report and self assessment poll results	Report on previous year's projects Agree technical project(s) for coming 12 months
Interim	Update roadmap Agenda vote	Major release Development starts for next release	Final report published	Projects in progress
Spring meeting	Detailed discussion of stories in top epics Add new stories	Report: How has AutoMatIc influenced plan for next MI release?	Review poll structure	Progress report on active project(s)
Interim	Agenda vote Story vote: prioritize stories within top epics	Ongoing development	Self assessment poll	Projects in progress

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