Case Study: **Accelerating Prototype** Vehicle Launches

A North American OEM were averaging 75% part availability on MRD for their prototype builds, leading to late vehicle delivery, late vehicle testing and delays to production timing. We turned this around with a single engagement on a major new vehicle program (6500 End Items, and a 480 Vehicle Prototype Vehicle fleet).



AUTOMOTIVE

DEARBORN USA

40 WEEKS

12 PEOPLE

Our Approach

Two workstreams to develop value

Consulting

- Regular governance established to find complete program bottlenecks and priority areas
- 2. Data visualization for part-level prioritization
- 3. Part-level Cost Attack
- 4. Plant Capacity tool

Tactical Support

- **BoM Validation**
- Change Management 2.
- Lead times 3.
- Supplier event to share information and processes 4.
- Ongoing supplier engagement 5.
- 6. At build launch support

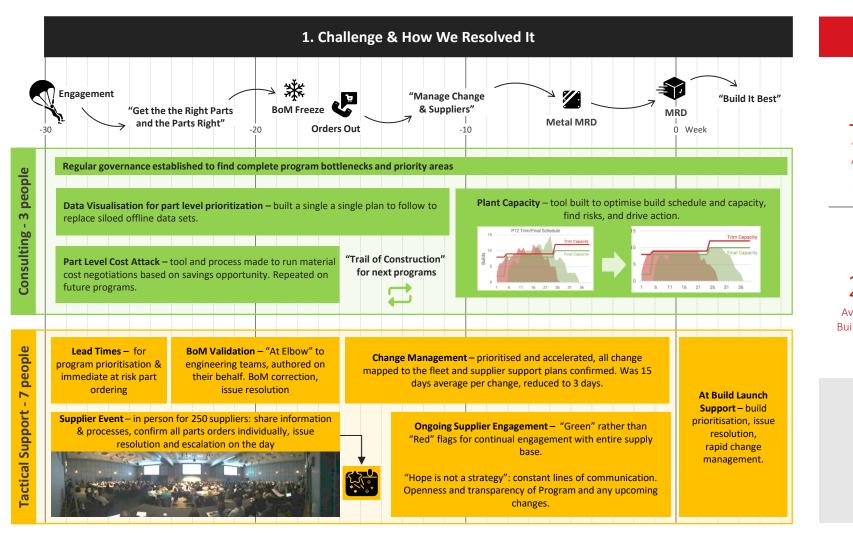
Our Impact				
Parts available at MRD		Material Co	ost Savings	
75% Avg. Then	>95% Avg. Now	\$21 m 20% reduction in materia	average program	
BoM Issues		Vehicle Delivery Delay		
21% Avg. Incorrect Build BoM Then	0.3% Avg. Incorrect Now	21 Avg. Days Late To Customers Per Vehicle Then	-2 Avg. Days Late To Customers Per Vehicle Now	
		Engagem	ent Cost	

"This whole build event wouldn't be possible without QR "

£878,000 Tactical Support: £406.000 Consulting Support: £472,000

Program Manager





2. Our Impact			
Parts available at MRD	Material Cost Savings		
75% >95% Avg. Then Avg. Now	\$21 million 20% reduction in average program material spend		
BoM Issues	Vehicle Delivery Delay		
21% 0.3% vg. Incorrect ild BoM Then Now	21 -2 Avg. Days Late To Customers Per Vehicle Then Vehicle Now		
Team Size	Engagement Cost £878,000		
SWAT Team	Tactical Support: £406,000 Consulting Support: £472,000		

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