

V5R11 Automotive Industry
Announcement Slides
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V5R11 – Executive Messages for Auto Industry

■ To CEO (strategic business issues):

- More major OEMs committed to CATIA V5 as a product development strategy.
- Release 11 makes V5 even more compelling, and offers business opportunities.
- Suppliers can benefit from yet more productivity tools

■ To CFO (operating cost issues):

- Maximum potential to re-use company intellectual capital for multiple projects / programs
- Better integration of applications across the brands

■ To VP Engineering (productivity vs quality issue):

- Ready and robust for large scale deployment
- Better Collaboration within Extended Enterprise through enhanced supplier exchange tools

V5R11 – Offering Enhanced Auto Process Coverage

■ Styling to Class A – Rich Application Portfolio

- New Shape Sculptor / Polygon Shape Modeling Product
- Seamless integration of ACA with GSD for full associativity
- Realistic shadows and material shaders within RTR2
- Conical view enhancement in FSK



■ Body-in-White – In Production Use in OEMs

- Higher productivity through new 'Diablo' feature
- Updated robustness with enhanced Tolerant Modeling (LOFT, FILL)
- Enhanced welding & integrated analysis
- Partnership for sheetmetal formability (FTI / CATFORM)
- New modeling techniques based on global deformation (template)

■ Powertrain - Ready for Large-Scale Deployment

- PowerTrain – Ready for Large-Scale Deployment
- Enhanced drafting, detailing, filleting
- New Mesher for complex analysis (FEM Solid 2)
- Dynamic response GDY
- FTA supports 3D process from Design to Manufacture
 - Parameters and Tolerances as FTA dimensions



■ Electrical – More Competitive Solution Than V4

- Quality and performance for enterprise production (EFD,ELB,EHI,EWR,EHF)
- V4/V5 Electrical migration (includes electrical harness)
- V5 now more competitive than V4

V5R11 – Offering Enhanced Auto Process Coverage

■ Mold & Die

- Improved flexibility in Mold Tooling Design (MTD) to accelerate design and manufacturing of any type of tooling
- New extremely fast geometry checker / CAD compare in Healing assistant (HA1)
- New and unique Shape Morphing capability in GSO to deform complex dies (compensate for unwanted stamping or casting effects)

■ NC

- Nurbs output now available, giving 40% reduction in time for 5 axis machining
- New Machine Toolpath Simulation Product (MPS) in DELMIA portfolio



■ Visualization

- New Entry-Level DMU configuration for non-engineers within extended enterprise
- Combination of Portal DMU (P1 to P3) and Portal 3D Com provides broadest solution
- Re-introduce DMU P2 and P3
- Stop EAI and PTC with Product-View



■ ENOVIA

- Light Portal navigator
- Enhanced Workpackage Exchange Solution Mode

■ SMARTTEAM

- V5 Collaborative Design (shared workspace), support of NC/Analysis/Electrical
- Contextual link support
- VPM Smarteam Briefcase support
- LCA Seamless document reference support