

Detroit Engineered Products (DEP), is an engineering services, product development, software development, consulting, and talent acquisition company. Since its inception in 1998 in Troy, USA, DEP is now a global company with footprints in Europe, China, Korea, Japan, and India. DEP uses the accelerated and transformed product development process, accomplished by utilizing our proprietary platform, DEP MeshWorks, which rapidly reduces the development time of products for all segments.

Through the seamless integration of cutting-edge technology and visionary designs, DEP is reshaping the mobility landscape with promising products that are lighter, smarter, faster, and safer. Our team is aligned with key industry trends such as automation, electrification, connectivity, shared mobility, and comprehensive engineering enhancement, which ensures our commitment towards the transformative shift underway in this segment. By harnessing the power of connected technologies, real-time communication, and the rapid evolution of autonomous driving systems, we enhance safety in the advanced driver assistance and predictive maintenance technology in vehicle development programs. Our smart engineering solutions not only make vehicles intelligent and efficient but also environment friendly, with the vision of transportation tailored to the evolving needs of consumers.

In the realm of ADAS and autonomous technologies, we excel in autonomous technology developments, sensor calibration and validation, and virtual test drives. Furthermore, DEP pioneered features and enhancements in frameworks, analytics and visualizations, connected applications, and digital twins. Our commitment extends comprehensively to model-based development, embedded development, testing, verification, and validation, offering a complete spectrum of engineering services. Leveraging our specialized engineering portfolio, DEP can be the one-stop solution hub for product development, engineering, testing, and validation needs, with offerings encompassing comprehensive R&D support across the entire V-model for various product development processes.



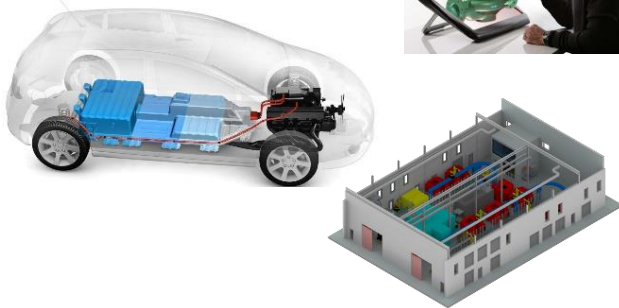
## SMART ENGINEERING SOLUTIONS



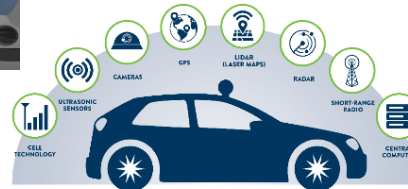
Powered by **DEP**  
**MeshWorks**

## Domain Expertise

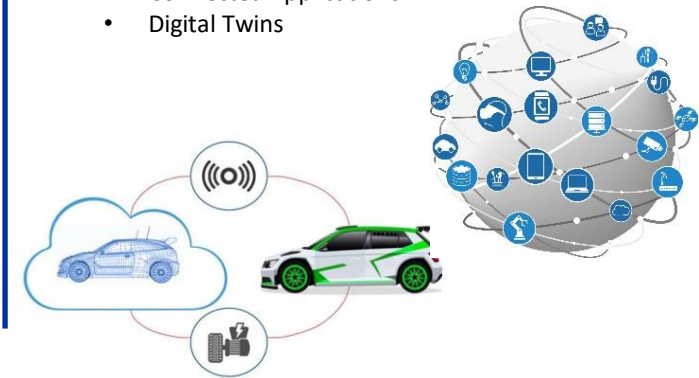
- Electric Powertrain Development
- Systems Engineering
- Plant Modelling
- Virtual Engineering



- Autonomous Vehicle Development
- Sensor Calibration & Validation
- Virtual Test Drive
- FUSA & SOTIF

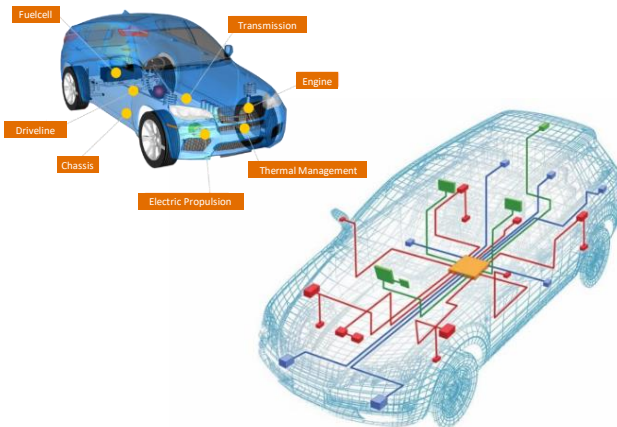


- IoT & Industry 4.0
- Framework, Analytics & Visualizations
- Connected Applications
- Digital Twins



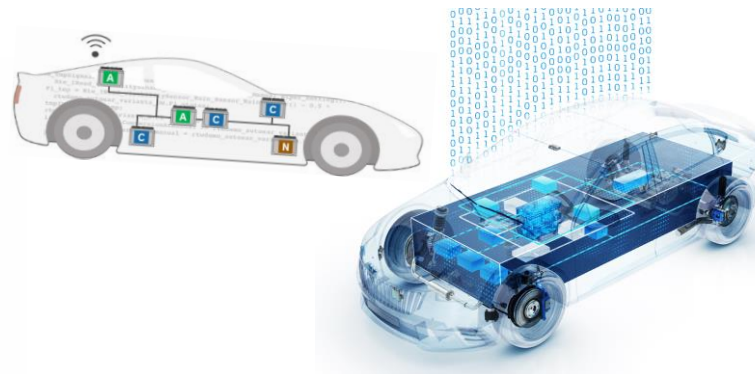
## Model Based Development

- Plant modelling for battery packs, electric & hybrid drives, white-box, grey-box, and black-box modeling
- Systems Analysis, Controls Development, Rapid Controls Prototyping
- MATLAB/Simulink GUI & Tool Development



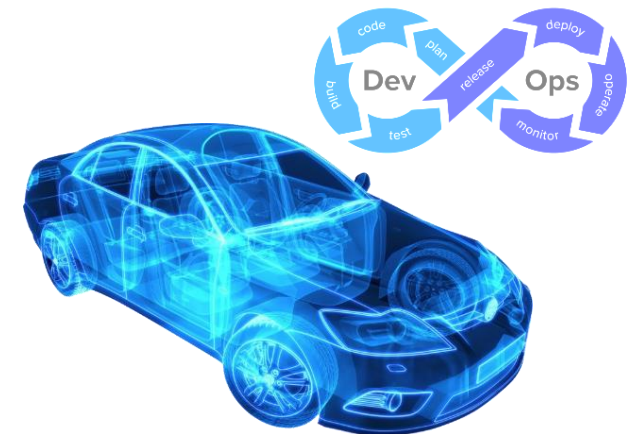
## Embedded Development

- Embedded Software Development – MISRA/AutoSAR Classic & Adaptive / Non-AutoSAR
- Embedded Hardware Development, SPICE Simulations
- Mechanical/Thermal /EMI EMC Testing



## Testing, Verification & Validation

- Software unit testing, systems integration testing, manual & automated testing
- MIL/SIL/ HIL/ DIL/ VIL Testing
- CI/CD Pipeline, DEVOPS & Build Management
- Automotive Security, SECDEVOPS



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