Powertrain

KPIT is a trusted technology partner for rapid design and development of new technologies for IC Engine, transmission systems, after-treatment and hybrid systems through powertrain software architecture and system control engineering solutions.

We help you make cleaner, flexible & efficient powertrains.

250+ Powertrain Features in Production

10+ Patents Filed in areas of Hybrid & Battery Management System

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www.kpit.com
Your end-to-end partner for Powertrain Solutions

KPIT’s Powertrain System & Software Development Processes

**Methodical EMS/Software Re-architecture**
- Software Product Line Approach
- Model Based Engineering
- ISO26262 & AUTOSAR Compliance
- An Integrated Tools Environment

**Robust Model Based development across the entire “V” cycle**
- Requirement Management
- Model-in-loop testing
- Autocode Generation
- Software-in-loop Testing
- Hardware-in-loop testing services

**Optimised Model Based System Engineering**
- System Requirements Development & Management
- Plant Model Development Control Design
- Mechatronics Simulation
- Rapid Control Prototyping
- Calibration
- POC on Vehicle

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**KPIT Coverage**

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**KPIT’s Hybrid Powertrain Products**

**ReVOLO**
- KPIT’s proprietary technology-a smart, plug-in, parallel hybrid solution transforming vehicles into fuel efficient, green automobiles, with seamless co-ordination of motor and engine

**BMS**
- Scalable, flexible and chemistry agnostic BMS offering complete system design and prototyping solutions

**KPIT’s Configurable OBD infrastructure development**
- Structured OBD development process
- Simulated Failed part creation process
- OBD validation and calibration process
- Gap analysis between CARB, EPA and Euro legislation
- Integrated simulation method to identify dysfunctional behavior of OBD faults on EMS system

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EPA: Environmental Protection Agency | CARB: California Air Resources Board

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**For more information:** email: powetrain@kpit.com | website: www.kpit.com

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**About KPIT**

KPIT, a product engineering and global IT consulting partner, is focused on co-innovating domain intensive technology solutions for corporations specializing in automotive & transportation, manufacturing and energy & utilities. A leader in technology solutions and services, KPIT currently partners with 180+ global corporations including Original Equipment Manufacturers (OEMs), semiconductor companies and Tier 1 companies.