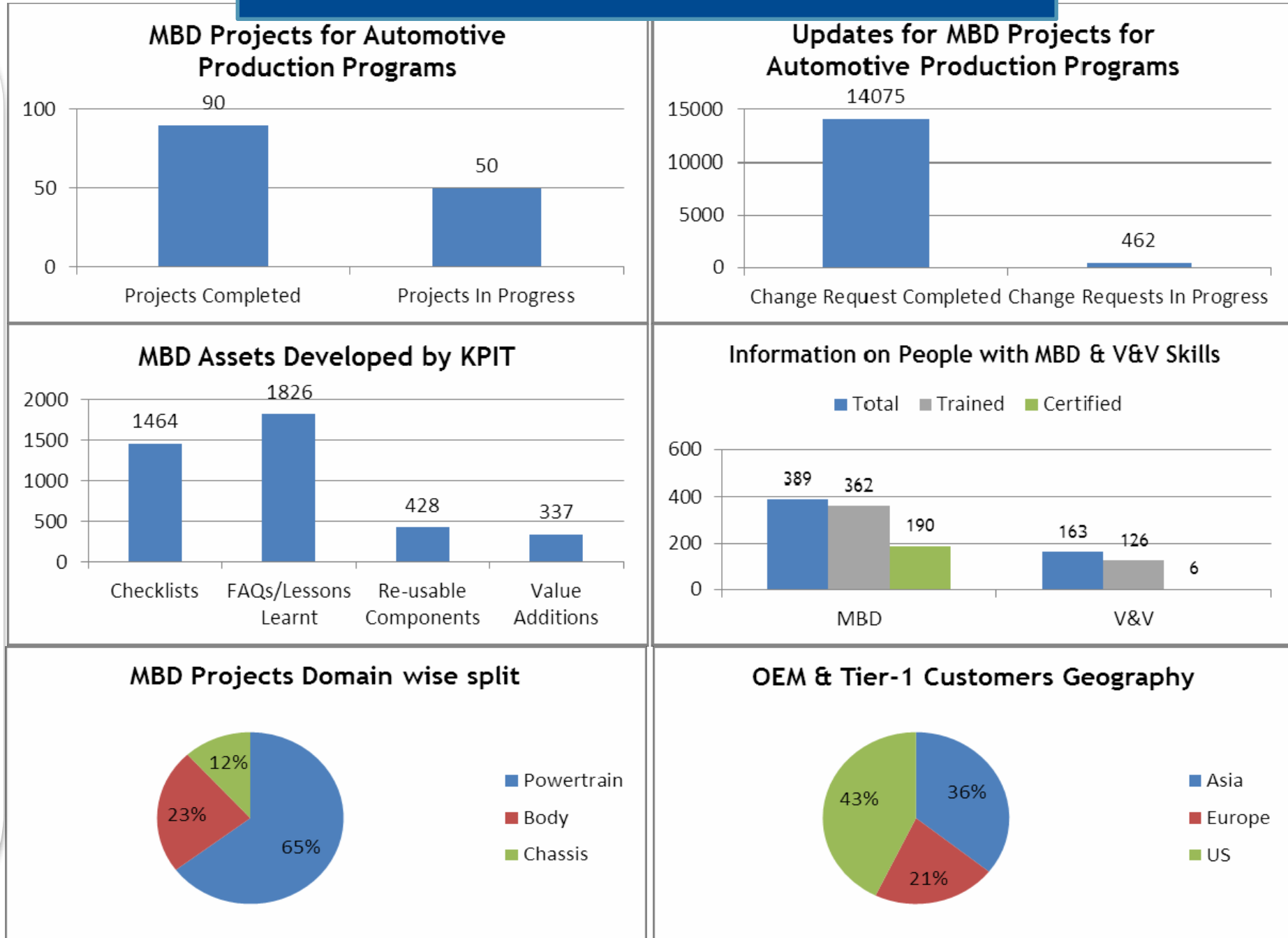


KPIT Experience - Model-Based Software Development (MBSD)

KPIT Credentials

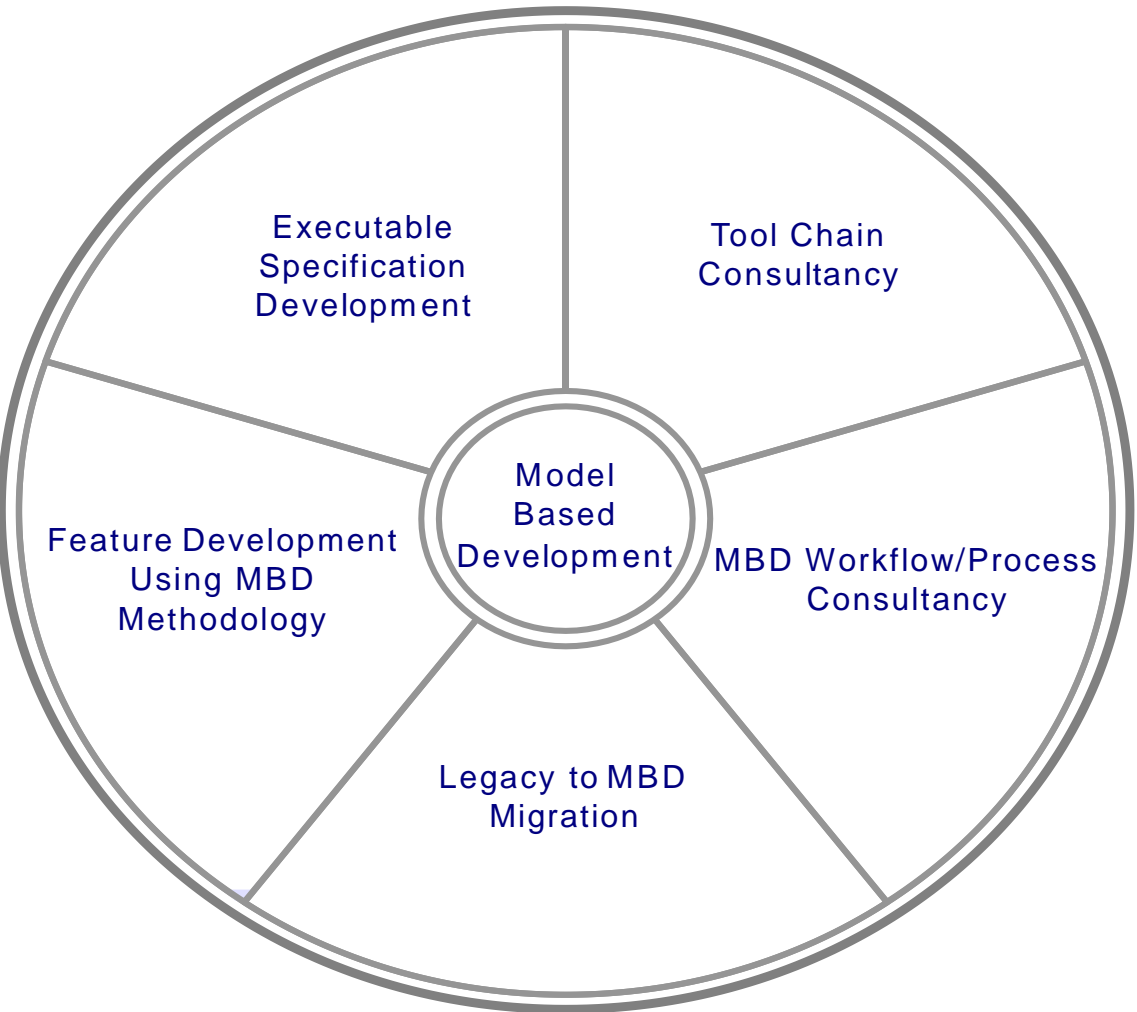
- Working on MBD based projects since 2002
- Working with OEMs and Tier-1's using MBD for subsystems like PowerTrain, Chassis, Body, Safety etc
- 400+ engineers working on modeling projects
- Developed customized process and tools for MBD for improvement in quality and productivity
- Developing Production Software using Model Based Technology
- Software Development Workflow compliant with ISO 26262 Framework



KPIT Experience - Model-Based Software Development (MBSD)



10SEP2013



Feature Development Using MBD methodology

- Exposure to full life cycle development (V model)
- Best Practices/Modeling Guideline Compliance
- MIL, Autocode Generation, SIL, HIL Testing

Tool Chain Consultancy

- Modeling Tools Selection
- Auto-Code Generators Selection

MBD Workflow Consultancy

- Process Customization based on type of project
- Integration of third party tools with Matlab/Simulink
- Process Automation for improved productivity

Legacy to MBD Migration

- Customized workflow based on state of legacy code
- Migration approach: Top-Down, Bottom-Up
- 100% Test Coverage to ensure seamless migration
- Use of Standard / Customized tools
- Established workflow enabling process automation

Executable Specifications Development

- Behavioral Model Development
- Adherence to Standard/Customer Modeling Guidelines
- Functional Test Case Identification
- Forward/Backward Traceability
- Use of Standard / Customized tools
- Established workflow enabling process automation