

Product Engg: ADAS, V2X, Cloud Storage, VAVE

COVID-19 effect on business necessitates organizations to cut down cost of development of products. At the same time declining buying capacity of the customers drives VAVE initiatives.

Whereas smart mobility & smart city programs continues to draw investments worth \$ 300 Bn from Governments & Automotive companies to enable V2X & Autonomous vehicles. Current COVID situation has emphasized need to speed-up these programs considering safety and transportation management needs.

TechM can enable saving upto 2Mn in larger implementation programs and cut down development time by 20% by extending it's reusable solution components.

Business Challenges

- Need to optimize investments in Autonomous, connected, electric shared vehicles (ACES) to remain competitive.
- To shorten Time-to-market without adding additional resources, organizations would need to prioritise CORE & NON-CORE engineering work and select a partner which will take end-to-end responsibility of NON-CORE and would assist in CORE work.

Tech Mahindra Solution

- Tech Mahindra comes with integration knowledge of 5 key components – RSUs & OBU Infra, MEC 5G/LTE & Cloud, Telecom infra, In-vehicle connected car platform.
- Use cases ranges from Smart Traffic Management, Vehicle Platooning, shared mobility, Infotainment, OTA, remote diagnosis, smart service etc.
- Data thus connected from vehicles has monetization vale of \$100 / vehicle

Business Benefits

- Free-up 20 – 30 % of R&D resources for CORE work.
- Approx. 2 – 3 Mn cost saving for typical OEM R&D set-up
- Improved quality--~100% compliance
- Leverage TechM's proprietary design and testing standards evolved with the experience of working on various projects
- Leverage TechM labs & COEs in ADAS, Connected & Electrified product

Case Study



Tech Mahindra helped a leading American and Japanese auto manufacturer by Connectivity Roadmap and data driven use case development consulting services.

Solution included NextG E2E Connected Car System design & Architecture with right partners and technologies.