TECHM ELECTRIC POWERTRAIN EXPERIENCE SUMMARY

E-POWERTRAIN

- Drivetrain Development
- Powertrain Integration & Validation
- Battery Management Systems Design
- Charging Solutions Development
- E Drivetrain
- ECU S/W Development MBD
- Battery Management
- Charging Solutions
- Power Electronics
OUR CREDENTIALS:

- 15+ years expertise – 200+ engineers working for electric powertrain systems, 600+ engineers including Mahindra ecosystem
- Across industry expertise in automotive, industrial, marine, locomotive
- Derivative programs end-to-end ownership with cost arbitrage of ~25%
- 10% - 12% cost savings through value analysis and value engineering (VAVE) approach
- AUTOSAR compliant software development including BSW integration
- Innovative and flexible business models including co-investment/risk share on technology programs

STANDARDS

- ISO 26262
- ISO 26262
- ISO 26262
- ISO 26262
- ISO 26262

ELECTRIC POWERTRAIN COMPONENTS:

KEY PROPOSITIONS

The proliferation of hybrid and electric vehicle development by providing highly efficient, safer and reliable electric powertrain components with IEC and ISO standards compliance.

- Electric Motors
- Battery Management System
- Power Inverter
- 48V Systems
- OBC / DC – DC Converter
- Power Distribution Unit
- Regenerative Power Storage Systems