

## Mahindra Satyam: Benchmarking of electronics/electrical architecture for commercial vehicles

<p><b>Service Provider:</b> Mahindra Satyam  <b>Customer:</b> Global commercial vehicle manufacturer  <b>Vertical:</b> Commercial vehicles</p>	<p><b>Customer Profile:</b>  Manufacturer of trucks and special commercial vehicles</p>
<p><b>Business Requirements:</b></p> <ul style="list-style-type: none"> <li>Commercial vehicle OEM observed that current electrical &amp; electronic architecture is resulting in multiple and varied number of problems/concerns at truck body builders, fleet owners, servicing &amp; maintenance teams.</li> <li>Mahindra Satyam is engaged for: <ul style="list-style-type: none"> <li>- Complete study of 'voice of customer'</li> <li>- Comprehensive understanding of the industry best practices for commercial vehicle electronic architecture</li> <li>- An approach to address majority of current customer concerns</li> </ul> </li> </ul>	<p><b>Solution:</b></p> <ul style="list-style-type: none"> <li>Detailed study, cost-benefit analysis of 16 key sub-systems of the five different competing products in the market</li> <li>Benchmarking on 10 key parameters like complexity, scalability, flexibility, cost, etc.</li> <li>Study future trends of wireless application development as applicable to commercial vehicles</li> <li>Consolidation of best practices in designing &amp; implementing future electronics architecture</li> <li>Encapsulate the future technological trends (for the next 5-10 years) and recommend feasible solution roadmap</li> </ul>
<p><b>Results Achieved</b></p> <ul style="list-style-type: none"> <li>Four major areas of concern for the OEM are being addressed: Customer satisfaction, warranty &amp; maintenance issues, fuel efficiency and safety</li> <li>Best-in-class architectural design for future products</li> </ul>	