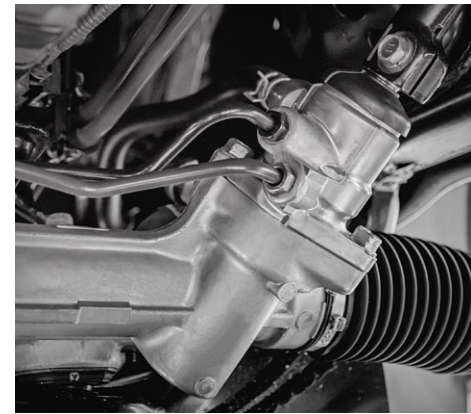
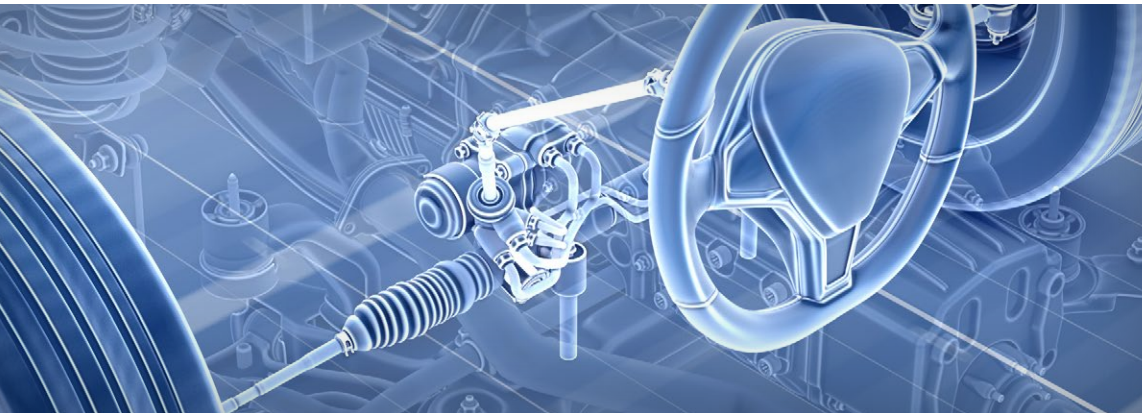




CUSTOMER STORIES

FAST RESPONSE TO EVOLVING PERFORMANCE ISSUES HELPS PRESERVE AUTOMOTIVE SUPPLIER'S CREDIBILITY—AND BUSINESS



Our problem-solvers worked with both OEM and end customer to troubleshoot deficiencies and develop a new product solution quickly.

CHALLENGE

Our client had successfully displaced old hydro-electric power steering systems with many of their customers, introducing an EPS Rack Concentric system instead that used Isabellenhütte terminal resistors. Subsequently, one of the OEMs major customers experienced solder-joint cracks during temperature cycling tests.

SOLUTION

After discussion with both our client and their large customer, our team recommended a four terminal raised shunt design, which better fit the new DCB substrate being used. Our innovative BVN shunt-based resistor not only achieves impressive power density but also offers a remarkably compact design, delivering exceptional performance. It effectively resolves the cracking issue by ensuring long-term stability across temperature variations and load cycles.

APPLICATION

Electronic power steering control system (Rack Concentric)



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