



ADVANCING MICROMOBILITY WITH AGILITY AND DEVELOPMENT EXPERTISE

Voltaira's collaboration with a leading Tier 1 supplier clearly demonstrated our ability to drive results through unmatched agility, co-development expertise, and advanced customization. Our ability to deliver samples in just five weeks clearly showcased how we can help our customers to meet their goals and succeed in the rapidly evolving micromobility industry.

Micromobility plays an essential role in enabling the freedom of movement for millions of people. This is especially true for India, where our Tier 1 customer produces and supplies motors for electric two and three-wheelers. Recognizing our expertise and agility, this customer asked Voltaira to develop connectors for electric two-wheeler motors. The recommendation of Voltaira as a suitable partner by the Tier 1's OEM customer, who is one of the largest two-wheeler manufacturers in India, also had a central role in establishing this partnership.

Voltaira was tasked with delivering the samples of a high-power hybrid connector under a very tight deadline. Our team took on the challenge with determination, supported by our experience in co-development projects,

our agile processes and comprehensive know-how in connector design and production.

A TAILORED SOLUTION DELIVERED WITH UNPARALLELED SPEED

Our customer outlined the specifications for a high-power hybrid connector designed to optimize both the power and the signal transfer between the battery and the electric motor. Voltaira engineered a fully customized solution tailored to meet their specific requirements within a 48-volt system. Despite its low-voltage designation, this high-power connector is engineered to handle an impressive 150 amps of continuous current, demonstrating our expertise in delivering solutions for demanding applications.



CHALLENGES

- Custom connector development
- Extremely tight deadline
- High-power application



SOLUTIONS

- High-power hybrid connector
- Connector design & production
- Co-development solution



RESULTS

- Voltaira's agile operations enabled fast time-to-market
- Cost savings thanks to Voltaira's global network
- First samples delivered in just five weeks, beating the competition



In just five weeks, our team developed and delivered fully functional connectors made with soft tooling, outpacing larger, established players in connector manufacturing. To achieve this, Voltaira leveraged its holistic system approach backed by its expertise in specialized cable harnesses, while also benefiting from its flexibility due to its streamlined organizational structure.

SHAPING THE FUTURE OF MOBILITY TOGETHER

The connector has the potential to be up and downscaled for other power levels, and Voltaira has already started this development process. This underscores our commitment to be a trusted solution provider in the micromobility segment, particularly in the electrified two-wheeler market.

We aim to support our partners in their product development efforts with our deep understanding of customer requirements, cutting-edge technology and industry know-how. Voltaira's excellence in co-development is underlined by our position as a strategic development partner to more than 60 customers, and by the over 450 automotive patents associated with our brand. Additionally, our flexibility and agility ensure

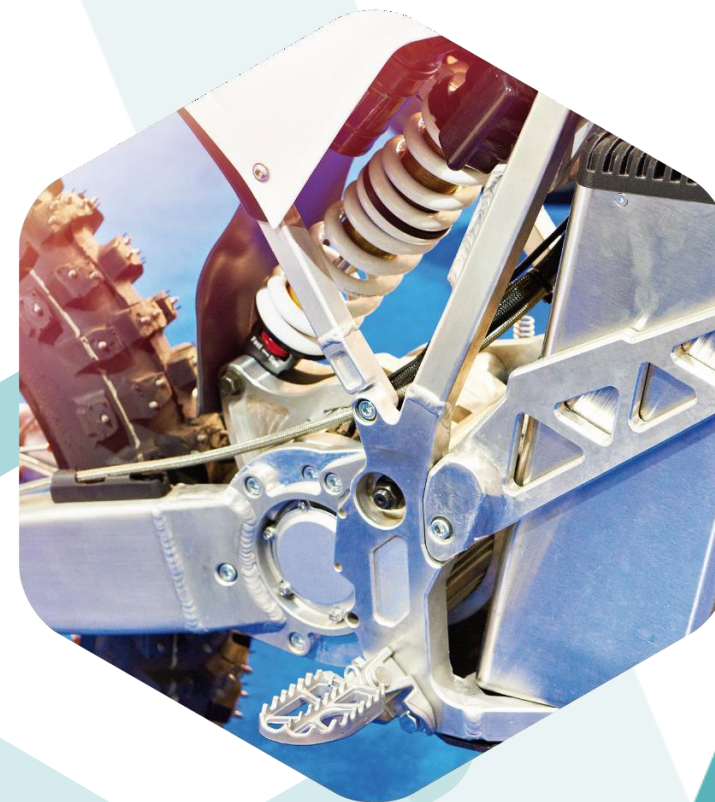
We utilized ultrasonic welding and potting, highlighting Voltaira's manufacturing capabilities in advanced assembly and sealing techniques that guarantee the maintenance of high-quality standards. Both the engineering work and the production of the samples were carried out in India. Voltaira's global coverage resulted in cost reduction and short lead times.

quick adaptation to customer needs, allowing a rapid time-to-market in today's competitive environment.

With our best-in-class sensor, connectivity and electrification solutions, Voltaira remains committed to its vision of being the all-in-one mobility business partner of its customers, and to contributing to their success with its value-added competencies.



**SAMPLES DELIVERED IN
JUST FIVE WEEKS**



*Illustrative picture only