

Automotive Technology

Battelle is developing fuel cells to power vehicles of the future, from Class 8 trucks to luxury cars.

Product innovations in the automotive and truck industry are drivers of the global economy. Battelle develops commercial products to help Original Equipment Manufacturers (OEMs) and Tier 1 suppliers respond to the relentless demand for innovative solutions that increase functionality and performance, while sustaining competitive costs.

We attack the tough challenges by collaborating with OEMs to define emerging requirements and partnering with Tier 1 suppliers to bring innovation to the marketplace. For example, we are currently establishing a new business that will translate breakthrough fuel cell and reformer technology to meet the burgeoning demand for vehicle electrical power. This technology will generate significant energy savings via improved efficiency for all vehicles, as well as supply low-cost, engine-off overnight power for Class 8 trucks. We are also developing new products for emissions reduction and absorption air-conditioning and have demonstrated processes for enabling low-cost, lightweight truck frame structures.



From advanced materials to fuel cells to structural analysis, Battelle leverages an extensive science and technology base to deliver innovative solutions for the automotive industry.