



Electrified Propulsion & Actuation Engineering Experts

WHO WE ARE:

Drive System Design (DSD) specializes in the rapid engineering and development of electrified propulsion systems and associated technologies for commercial vehicle applications. As your strategic partner, we provide turnkey project services and award-winning expertise that you can trust.

WHAT WE DO:

Our decades of experience and simulation lead approach offers unparalleled proficiency in systems integration, efficiency enhancement and development testing of propulsion and actuation systems.

By leveraging our unique combination of cross sector knowledge and state-of-the-art tools and testing equipment, DSD can swiftly provide innovative and optimized solutions for the design, analysis and control of electrified powertrains. We help accelerate the prototype acquisition process across any application, domain or vehicle system.

ELECTRIFYING THE FUTURE OF COMMERCIAL VEHICLES:

Our team of experts will support your projects across key functions, including:



Electrification Strategy Planning

- Modularity and scalability planning from Class 2 to 8, and a diverse array of applications beyond
- Architecture application assessment, ensuring the best ROI whether central drive, beam axle or integrated drive module



Electrified Propulsion Engineering

- High-power prototype traction machine design, procurement, development and test
- Hardware and software integration across motor, driveline and power electronics systems



Multi-Attribute Optimization

- Simulation-led approach to balancing efficiency, durability, NVH and cost
- Expertise in optimizing thermal management, drive-by noise and structural durability



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