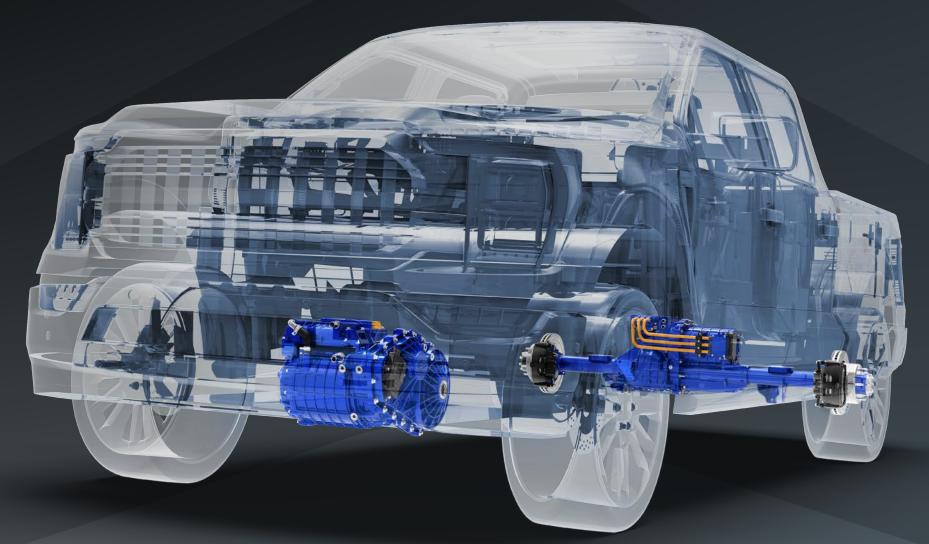
Refining the Road Ahead

Light Vehicle Drive Systems

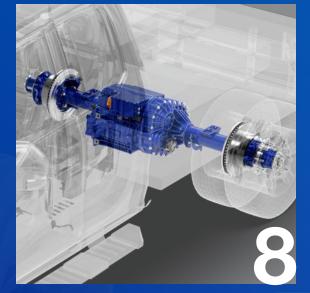




Electrification. **Delivered.**[®]



















Continuous **Performance.** Maximum Efficiency. Relentless **Dependability.**

No one does powertrains like Dana

For 12 decades and counting, Dana has been a global mobility leader and a pioneer of powertrain technology for traditional and electric applications. Co-innovating with those who think without limits from day one.

Our solutions are born of the best engineers, most sophisticated technology, and the tenacious testing and refinement it takes to produce products that deliver for your platform.

No matter what your powertrain needs, Dana is your trusted partner. Our integration solutions are developed in house and are on the road today. And we won't rest until you and your customers are enjoying the ultimate driving experience on the refined road ahead.



Systems-based approach

Seamless integration

Dependable technology

Complete in-house solutions

Electrification Solutions That Help Your Customers and the Environment

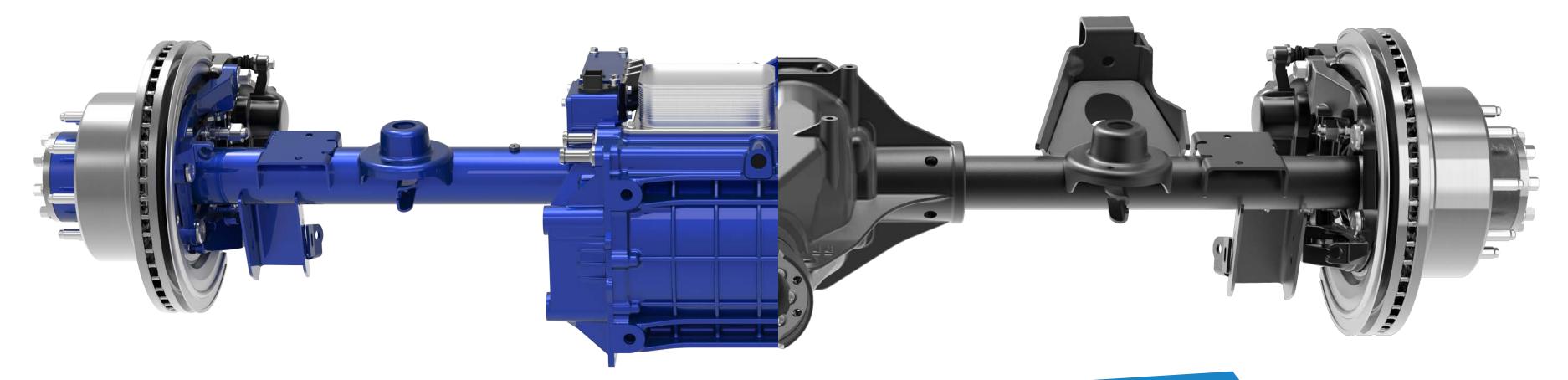
Each of these principles are backed by deep electrification expertise, a 360° whole system

for your integration strategy, your product outcome, your customer, and your bottom line.

solution approach, and in-house knowledge and integration solutions that make a positive difference



Dana continues to advance light-duty drive systems for fuel-powered vehicles from performance to heavy-duty applications. Our solutions provide OEMs the fuel economy, durability, and performance gains through:



Weight Optimization

Supports additional payload and / or battery capacity

Efficiency For maximum range Packaging Improved vehicle integration for optimal packaging space

Cooling Solutions Integrated thermal management for best-in-class efficiency

Championing a Better World

We are committed to providing OEMs sustainable solutions through materials, process, and manufacturing considerations at the product level for each and every project.

Traditional Driveline Solutions Powering Today's Economy

- Innovative design
- Virtual validation
- Optimization
- Versatility

Meet the Dana **4-in-1** Electrified Beam Axle Family

Unyielding power, precision, and the widest range of output torque

Dana 4-in-1 e-Beams deliver performance and efficiency without compromising torque or towing.

For You

- Simplified implementation and interfaces
- Efficiency improvements (process and product)
- Ease of integration into the vehicle platform
- Weight and packaging optimized
- Overall production savings

For Your Customer

- No compromise to towing capacity or load-carrying capacity
- Ability to deliver and modulate more torque smoothly and seamlessly
- High continuous power
- Market-leading performance
- Greater efficiency

Winning with Dana

Our longevity and know-how in the beam axle market is our superpower

We understand the axle structure and the science of optimization, so we realize that shifting from a traditional axle to an e-Beam is never plug and play. Our 4-in-1 system optimizes traction, power, and torque for your applications.

It's legendary Dana technology — evolved for the electrified vehicle market.

What makes integrated thermal management so cool?

Adding thermal management into the e-Beam makes for a smaller overall system that delivers maximum efficiency, torque, and power density. When the thermal management system is built within the e-Beam, it intrinsically reacts with its components without plug-ins, extra software, added weight, or connections. It's no wonder Dana's thermal management is so highly awarded for its clean energy technologies.







4-in-1 e-Beam

e-Motor

e-Beam axle
 High-voltage inverter and software

Integrated thermal management

4-in-1 Independent e-Axle

- Gearbox e-Motor
- High-voltage inverter and software
- Integrated thermal management

The Dana 4-in-1 e-Beam delivers the widest range of output torque.



Heavy Duty Truck

See the Dana 4-in-1 e-Beam in action.

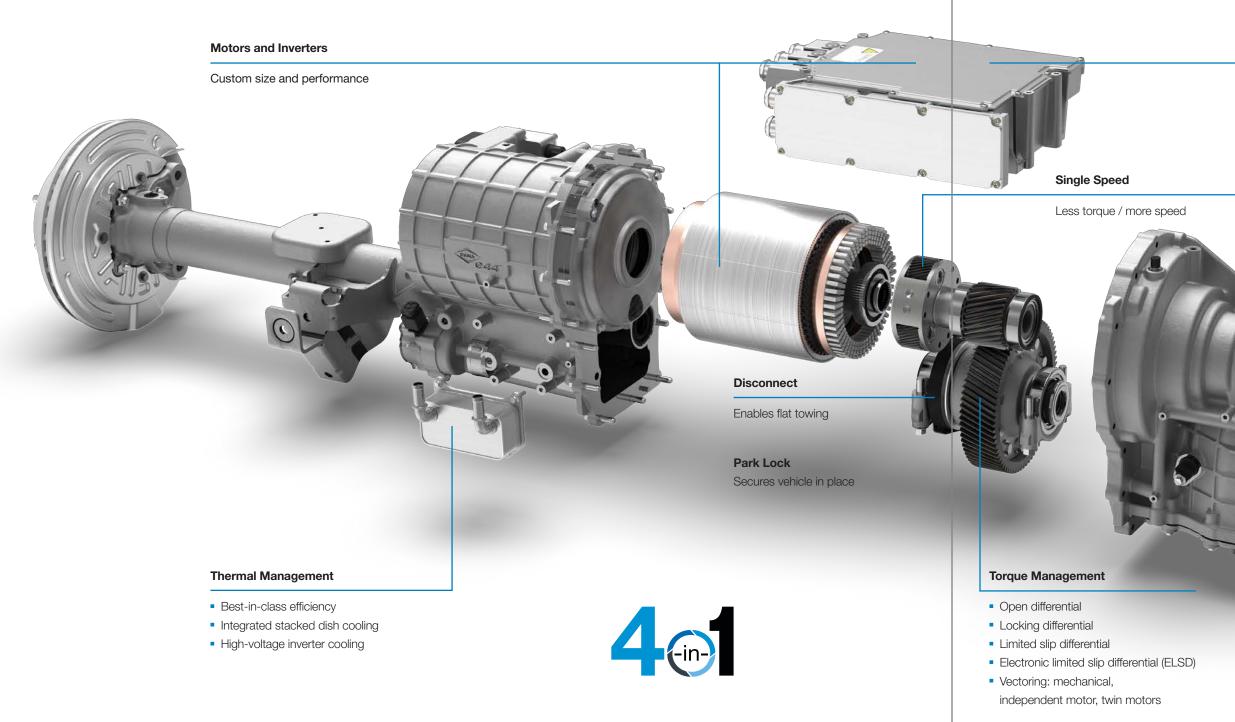




Learn more

Building Your Axle to Your Specifications

Every program has its own unique requirements. The e-Beam engineers at Dana will collaborate with you and design a system to meet or exceed all your platform specifications and program goals.



Software and Controls

- Thermal management
- Park lock
- Regenerative braking
- Torque / speed management

the states and

- e-Motor / shift modes
- System optimization

Two Speed

High torque / high speed

Flexible e-Componentry Solutions

that work with our systems or yours

Dana takes a systems-based approach to the full drive system, offering mechanical, electrical, and software components that are ready to integrate within your e-Architecture.

We have the right products to meet any OEM need, from hybrid to full battery electric. No matter what stage of development you are in, Dana is ready to serve you with multiple electrified products already in production.

Dana engineers provide the seamless integration of our parts within your platform at any stage of the design or development process. We will be there with a full line of e-Drive and e-Axle components, transmissions, and modules like motors, inverters, gearboxes, cooling components, software, and beyond.



Next-Level High Performance

Dana transmission solutions

Dana is a world leader in manual, automated manual, and dual clutch transmission systems for small / medium series high-performance cars. We apply innovative technologies such as hybridization for dual clutch transmissions.

Dana Graziano[™] six-, seven-, and eight-speed units are designed for front engine, rear transaxle, or mid-ship configurations and are pristinely tailored to the particular requirements of each individual vehicle.

High Performance Longitudinal and Transverse Hybrid Dual Clutch

Meet the new benchmark for torque and speed. Select the P2 hybrid for battery recharge or engine cranking and the P3 for torque boost or EV drive. Both in a highly compact layout.

- 8 speed
- Max input speed: 10,000 rpm
- Max e-Motor torque: 170 Nm
- Max e-Motor speed: 21,000 rpm
- Self-locking differential

- Max input torque: 800 Nm (ICE)
- EM voltage: 400 V
- Max e-Motor power: 170 kW
- Top output speed: 2,700 rpm (>350 kph)
- Bistable park lock

WEIGHT

OPTIMIZED



PRECISE

High Performance Twin Motor e-Drives



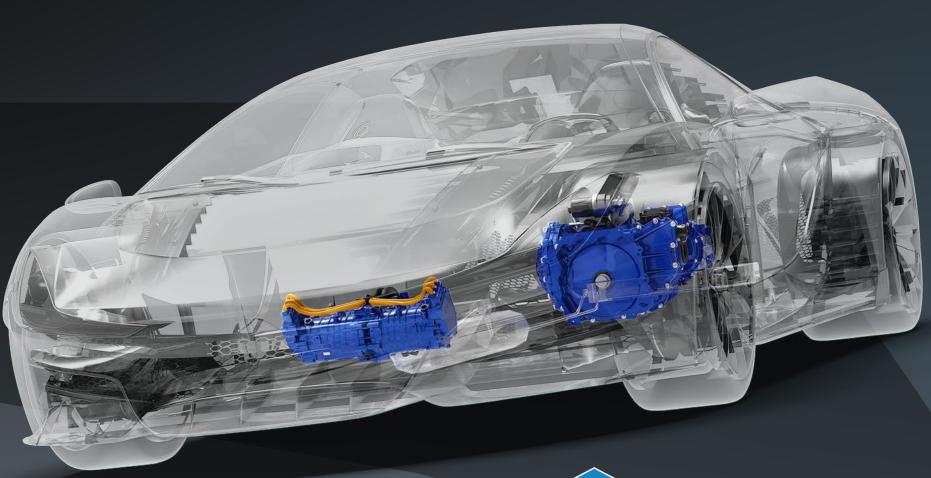
High Performance Longitudinal Hybrid Dual Clutch

AGILE



High Performance Transverse Hybrid Dual Clutch

RESPONSIVE



High Performance Dual Motor e-Drive

Best-in-class power and torque dense unit with high-speed motor is modularly designed to adapt to different applications with minor changes. It features torque vectoring capability with the highest Functional Safety (ASIL D).

- Max Output Torque: >10,000 Nm Silicon Carbide Inverter: Up to 900 V Torque Density: >75 Nm/kg Max GCWR: 6,000 kg

BESPOKE

- Top Speed: 250 km/h
- Oil cooled motor, peak system efficiency 95.5%
- Max GVWR: 3,500 kg





ONE-STOP SOLUTIONS

DANS

100% In House. 100% Complete Services. 120 Years of Customer Dedication.

We work with you to create the precise system for your application from implementation and programming, to the last exacting detail.

That's the difference a one-stop shop can make. Dana has all the pieces of the driveline systems in one place, so we can constantly refine and improve outputs.

Meeting your project specifications in one central location may sound like a small detail, but it means a lot. Just reliable product quality and a job that's up to our high standards, and yours.

SYSTEM OPTIMIZATION

TRANSPARENT COMMUNICATION





Light Vehicle Drive Systems Global Footprint

No matter your time zone or country code, Dana is globally positioned to respond quickly and in person.

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Dana Sustainability Targets

50+ facilities in 19 countries across 5 continents

32 manufacturing centers and 10 technology centers

75%+

Reduction of Scope 1 and Scope 2 GHG emissions by 2030

25%+

Reduction in Scope 3 GHG emissions by 2030



Net zero



DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Managing with Science

Based Targets



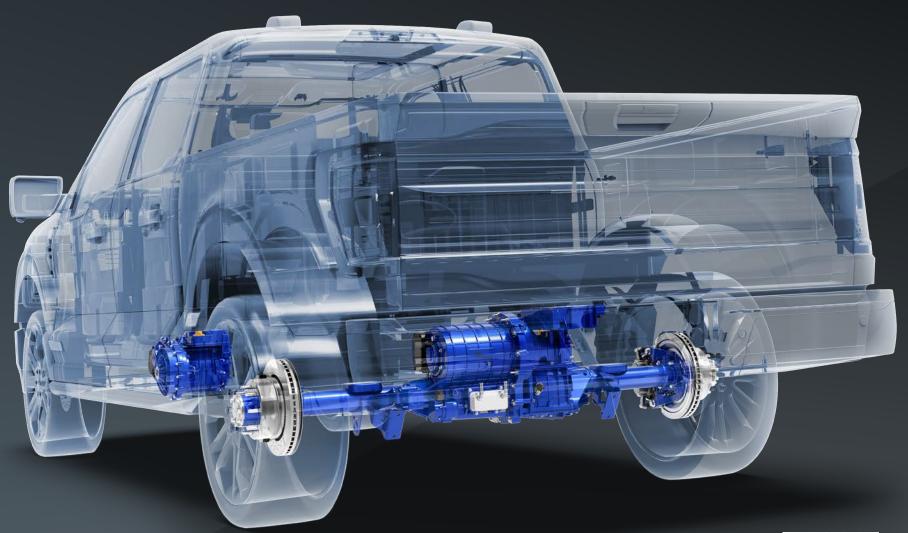
Better World[™]



Learn more

19







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Contact us