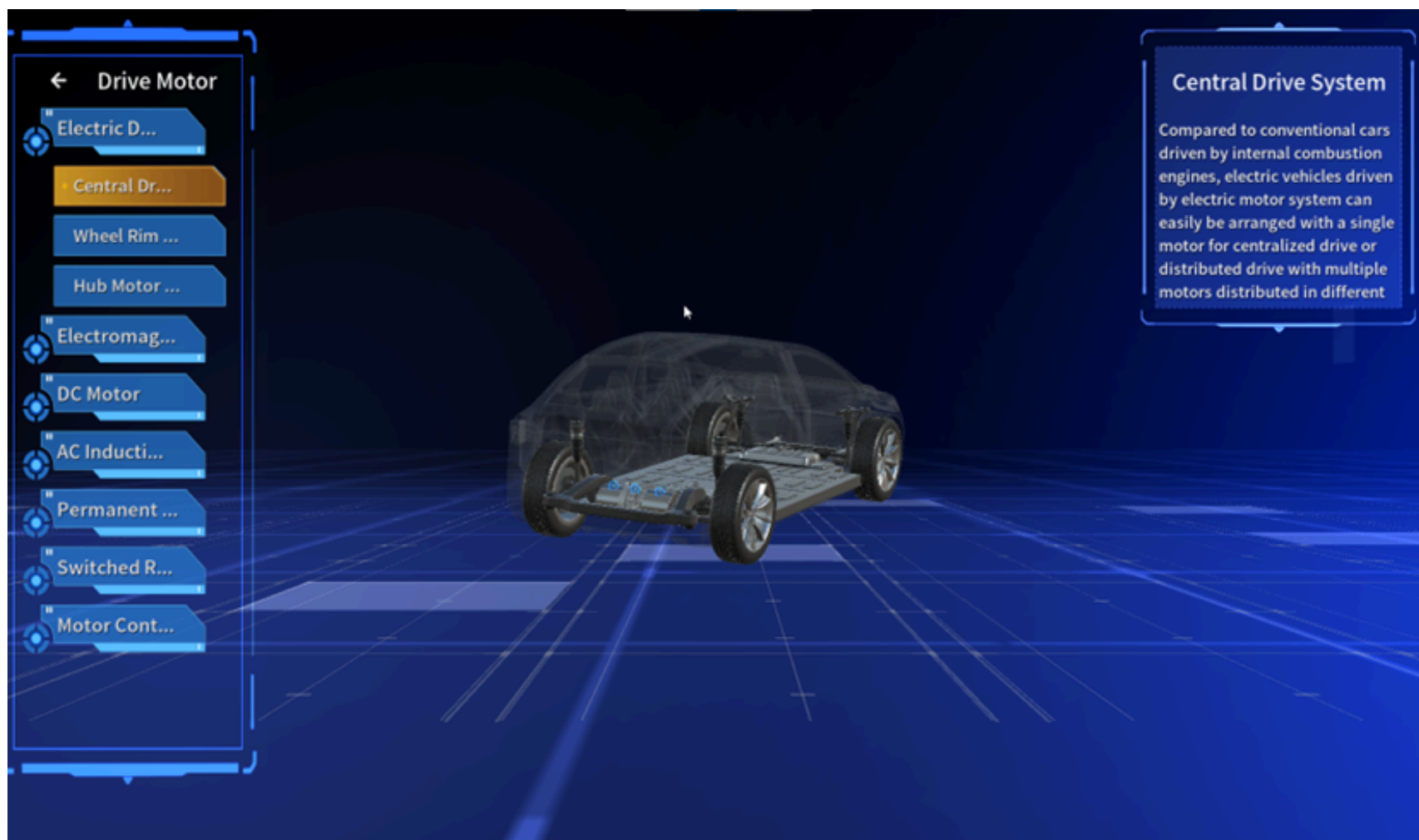


# New Energy Vehicle VR Instruction

New energy vehicle VR teaching software is a classroom application software that supports the basic knowledge teaching of new energy vehicles. The software takes the knowledge unit as the core, and displays the **complex structures** and principles in the **main systems** and parts of new energy vehicles in **high-definition models**, animation, special effects and other ways, which can greatly stimulate students' interest in learning and improve the **learning effect** of new energy vehicles knowledge.



Through 3D structural model display, text introduction, and model interactive operation (explosion decomposition, reduction, movement, etc.), visually display the structural principles of centralized drive, wheel-side motor drive and hub motor drive.



It is introduced through 3D model display, text description, 3D animation principle display, and model interactive operation.



You are able to freely rotate or move any part within this software and also have the ability to zoom in or out for a more **detailed observation**.



DC motor: including the structure principle of excitation winding type DC motor, permanent magnet type DC motor, and the introduction of excitation mode.

## Highlights

- Covers **7 key modules** of new energy vehicle drive systems: electric drive systems, electromagnetic fundamentals, DC motors, AC induction motors, permanent magnet synchronous motors, switched reluctance motors, and motor controllers.
- Features **1:1 high-quality 3D models** with dynamic working animation and hands-on interactive operation for enhanced practical learning.
- Supports **360° free interaction**, detailed disassembly, animated principles, and auxiliary diagrams, enabling **flexible teaching** and **self-learning**. By breaking down to details and using methods such as animations and auxiliary diagrams to present intuitively, there are numerous interaction points, allowing teachers to teach freely and students to learn flexibly.
- Equipped with the leading Desktop, All-In-One Virtual Holographic Interactive Desktop, providing enhanced operational experience and advanced presentation effects.

## Functionalities

Modules	Component
Electric drive system	The introduction of the structure principle of centralized drive, wheel edge motor drive and hub motor drive.
Basic knowledge of electromagnetic	Concept of electromagnetic, including: magnets, magnetic field, ferromagnetic materials, magnetic effect and electromagnetic induction and so on.
Continuous Current Motor	Structure principle of excitation winding type DC motor, permanent magnet type DC motor, and the introduction of excitation mode.
AC-based induction motor	Type of rat cage rotor AC induction motor and winding rotor AC induction motor, as well as the introduction of rotating magnetic field
Permasyn Motor	Structure of permanent magnet synchronous motor, principle of permanent magnet synchronous motor, structure of rotary transformer, working principle of rotary transformer;
Switched Reluctance Motor	Switch reluctance motor structure, the working principle of switching reluctance motor;
Machine Controller	Motor controller structure and operating principle of motor controller