

Strive to be the pioneer of intelligent transmission in automobiles

Qingdao Kelin Intelligent Transmission Automotive Technology Co., Ltd

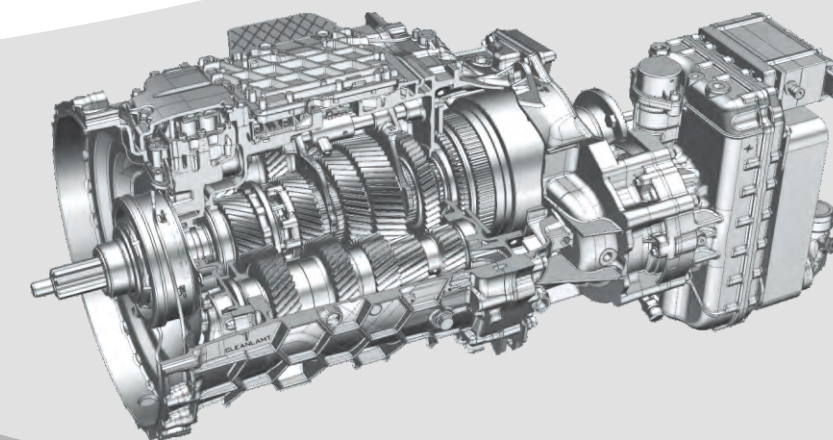
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CLEANLAMT



Qingdao KeLin Intelligent Transmission Automobile Technology Co., Ltd.

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About Us

Qingdao Kelin Intelligent Transmission Automotive Technology Co., Ltd, founded on December 16, 2020, located in Pingdu, Qingdao, is a technology-based company focusing on the development of systems and core assemblies in the field of automotive power transmission, providing global customers with solutions and services for automotive intelligent power transmission systems.

Since the establishment of the company, Kelin has always regarded "striving to be the pioneer of intelligent transmission in automobiles" as its vision, taking the upgrading and upgrading of automobile power transmission technology as its own responsibility, actively practicing the concept of "safety, reliability, energy conservation and emission reduction", and constructing a development strategic plan with the automobile power transmission domain assembly as the core and supported by intelligent control, electronic control unit, mechanical system, and sensor control, forming AMT automatic transmission, hydraulic retarder, electronic control unit Product layout of new energy Power train.

The company insists on innovation driven, based on the profound technical background in the field of automobile power transmission and the positive development experience of mechanical, electrical, hydraulic and control integration, gives play to the advantages of high efficiency, fast response and low cost, breaks the foreign technology monopoly, realizes Import substitution industrialization, and establishes the leading position in the industry.

The company shoulders the corporate mission of "scientific and technological independence, integration and innovation", adheres to the differentiated Porter's generic strategies, aims at the commercial vehicle market, continues to cultivate the innovation business of automotive power transmission system, occupies the technical highland of intelligent control and electronic control unit, comprehensively layout the power transmission system and auxiliary braking system, actively expand the electronic control unit series products of various automotive systems, and meet the end users' demand for the power, economy Urgent expectations for safety; Fully tap the potential of domestic demand with scientific and technological innovation, help complete vehicle brands to meet the diversified needs of the market with excellent product quality and rich product forms, work with customers to build the technological progressiveness of the automotive power transmission domain, support the sustainable development of China's automotive industry, and form a global competitive advantage.



Corporate Vision: Strive to be the Pioneer of Automotive Intelligent Transmission

Corporate mission: Technology self-reliance integration and innovation

Corporate Spirit: Diligent and knowledgeable achieving the ultimate standing bravely at the forefront and pursuing excellence

Corporate values: Honesty trustworthiness integrity innovation value dedication

Strength Qualifications

At present, Kelin has authorized 16 patents, including 2 invention patents and 14 utility model patents. It has obtained 15 computer software copyrights.

At present, Kelin, together with Jilin University and China University of Petroleum (East China) Xihua University, has jointly built a technology center and an industry university research base, forming a new pattern that integrates industry, university and research and complements the advantages of domestic and foreign markets.



Team Legacy

Hydromechanical Transmission Research Institute of Jilin University



Professor Ge Anlin

- The second director of the Hydraulic Institute.
- Leader and specially appointed expert of the Transmission Group of the National Automobile Society.
- Pioneer and founder of automatic transmission in China.
- Winner of the Second Prize of the National Science and Technology Progress Award
- Outstanding Contribution Award" at the International Symposium on Automotive Transmission and Drive Technology.



Professor Luo Bangjie

- Founder of Hydromechanical Transmission Research Institute of Jilin University.
- Pioneer in Research on Vehicle Transmission Technology in China.



Professor Lei Yulong

- The fourth director of the Hydraulic Institute.
- Member of the China Society of Automotive Engineering.
- Mount Taishan Industrial Leading Talents.
- Ministry of Education's New Century Talent Plan.
- Winner of the "Outstanding Science and Technology Talent Award for China's Automotive Industry".
- Winner of the First Prize for Scientific and Technological Progress in Jilin Province.



Team Of Experts

4 Industry leaders

50⁺ r&d team

19 Dr



Lei Yulong

Doctor of Engineering, Professor

doctoral supervisor

Chief Expert



Chen Jiaquan

Doctor of Engineering, Professor

National Distinguished Expert

Chairman of the Board of Directors



Sun Shaoyun

Doctor of Engineering, Professor

senior expert

Specially hired experts



Sun Shaohua

Doctor of Engineering

Master's Supervisor

Dean of the Research Institute



Liu Hongbo

Doctor of Engineering
Doctor of Engineering, Professor

senior engineer

Deputy General Manager of Technology



Zhang Jianguo

Doctor of Engineering

senior engineer

chief engineer



Development Planning

Recent industrialization

- Hydraulic retarder.
- AMT automatic transmission, electronic control unit, new energy Powertrain.

Medium-term digitization

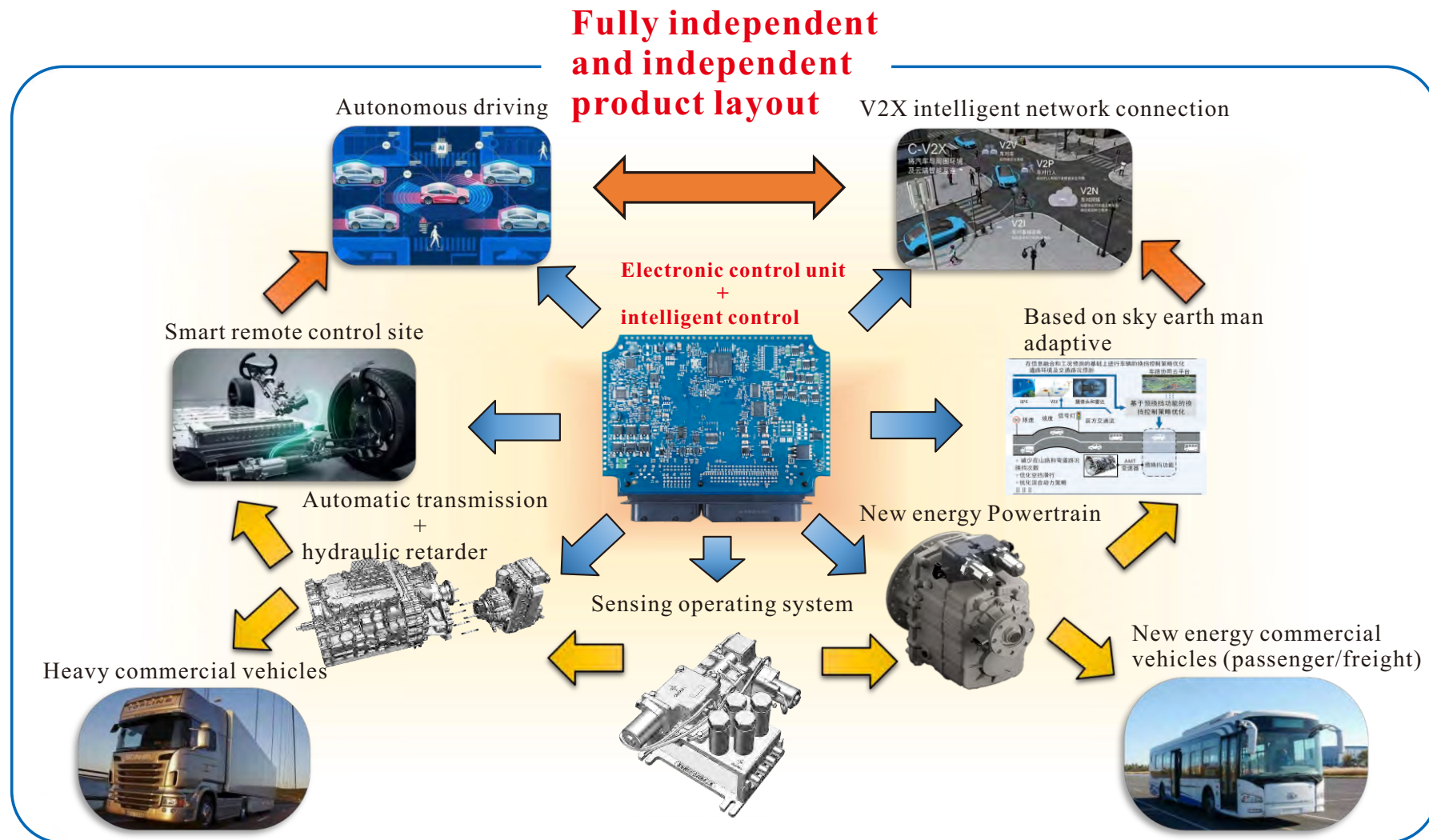
- Power transmission platformization, intelligent networking industrialization.
- Digitalization of product design, research and development, production, marketing, and services.
- Cloud diagnosis, cloud maintenance, remote operation support, and intelligent driving.

Long term industry leadership

- Lead the technical iteration of AMT automatic transmission, hydraulic retarder, electronic control unit and new energy Powertrain

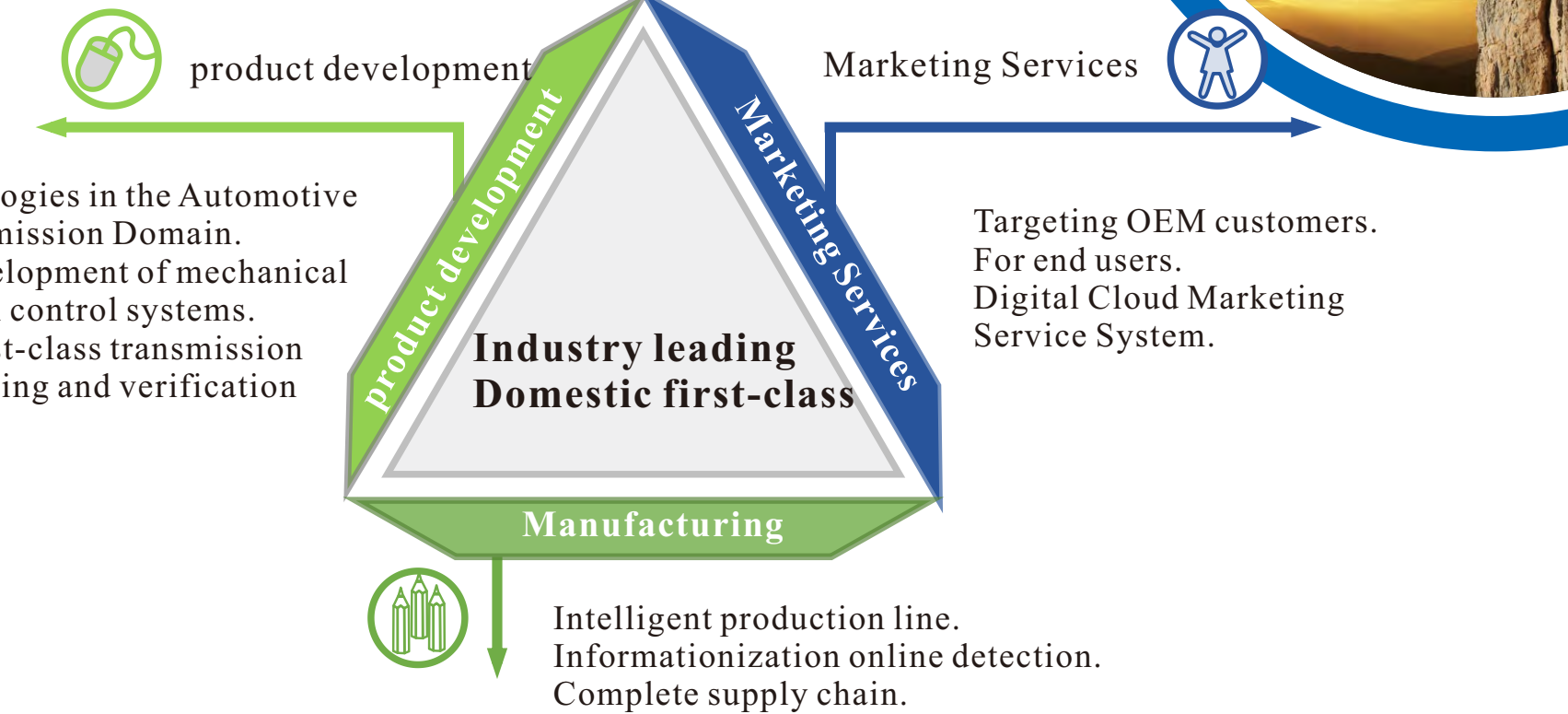


Core Technology



Business Capability

Core Technologies in the Automotive Power Transmission Domain.
Forward development of mechanical and electrical control systems.
Domestic first-class transmission assembly testing and verification capability.



Competitive Advantage

Leading the coverage of the four major markets.

Leading the industry

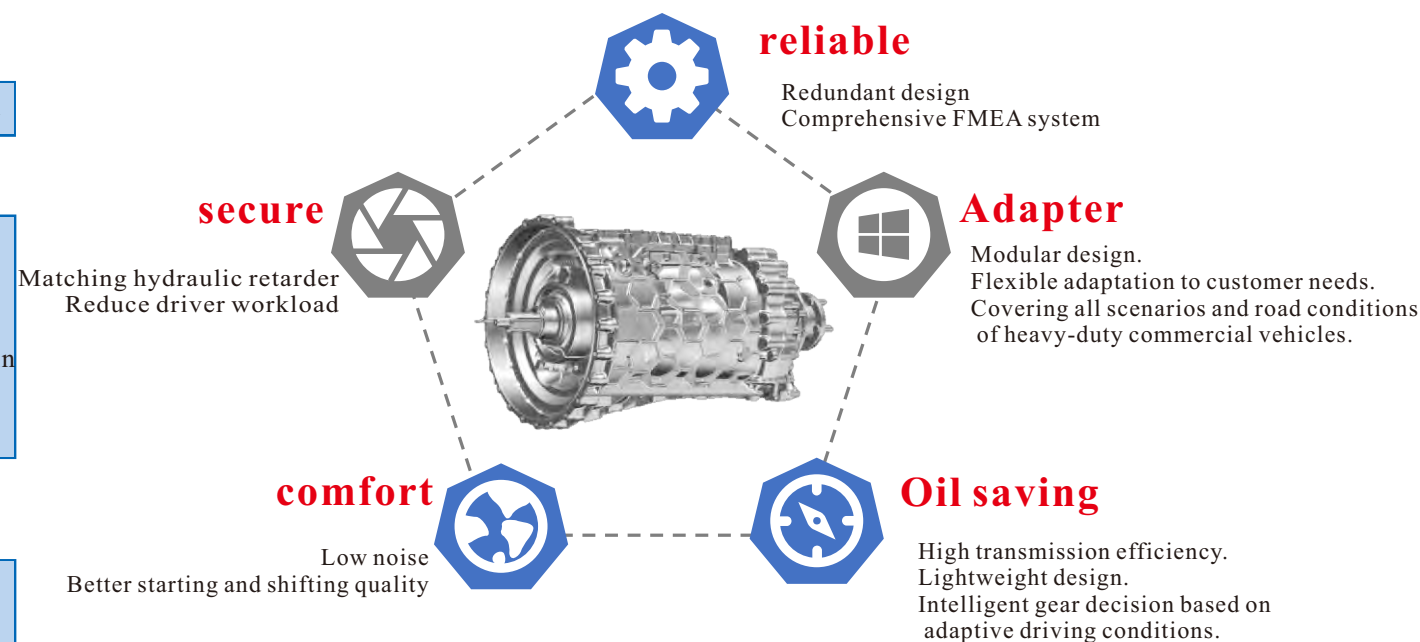
Safe, reliable, energy-saving, and emission reduction

AMT automatic transmission
Retarder
Electronic control unit
New energy Powertrain

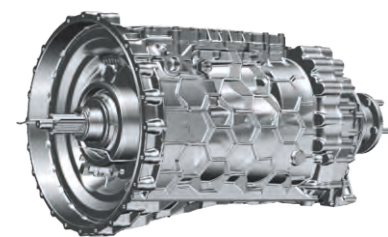
- Experienced team efficient research and development
- Provide fast solutions for customers

Product Serialization and Differentiation Complementary.

On the premise of achieving international advanced level of performance, with low-cost advantages



Major Products



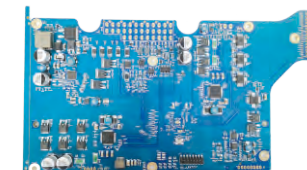
12/16 speed AMT transmission for commercial vehicles



Parallel hydraulic retarder



4-speed AMT electric drive system



Integrated AMT electronic control unit TCU



Hydraulic retarder and urban electronic control unit RCU



Central clutch actuator



External clutch actuator



Electric gear selection and shift actuator



Vehicle and automatic transmission control unit VTCU



Hongqi Special Electromechanical Coupler Control Unit HCU

Key Markets

Four major markets

01

AMT automatic transmission



On the eve of AMT penetration rate takeoff

02

Retarder



Increase the popularity of optional clothing

03

Electronic control unit



Fully expand to various systems of the entire vehicle

04

New energy Powertrain



Keeping up with the new energy trend



Kelin's various products are widely used in various models such as passenger cars, heavy-duty trucks, medium and light trucks, large buses, mining trucks, etc. They have been selected as fixed point adaptation products by thousands of main engine manufacturers at home and abroad, providing a continuous stream of new optimized configurations for the upgrading and upgrading of passenger cars and commercial vehicles, helping the vehicle brand meet market diversification needs with excellent product strength and rich product forms.



Partners



Leadership Care



Wang Xiaozhi, Deputy Secretary General of Qingdao Municipal Government, Visited the Company for Inspection



Leaders of Pingdu Municipal Government accompanied the delegation of Dong'e County



Technical experts from FAW Hongqi and Sany Heavy Industry visited for guidance



2023 Spring Centralized Signing Ceremony of Key Industrial Projects in Pingdu City