

TOYOTA TSUSHO NEXTY ELECTRONICS (DALIAN) and C&S Group GmbH, two group companies of NEXTY Electronics Corporation, established the first Joint Venture with China's CATARC Group as a Japanese group company

Two group companies of NEXTY Electronics Corporation ("NEXTY Electronics"; Headquarters: Minato-ku, Tokyo; President: Atsushi Aoki), an electronics trading company of Toyota Tsusho Group, have partnered with the China Automotive Technology and Research Center ("CATARC"; Headquarters: Tianjin, China; President and General Manager Yu Kai), which is the only company in China able to formulate national standards for vehicles (GB, GB-T*1), to establish a joint venture aimed at providing automotive Ethernet testing services. Details of the JV are as below.

■ Name of the Joint Venture company

Chinese name: 中汽研瓊睿赛安斯(常州)智能科技有限公司

English name: CATARC AERI C&S (Changzhou) Intelligence Technology Co., Ltd.

■ Investment structure and ratios

1. CATARC Group (investment ratio: 50%)

Company Name: CATARC (Changzhou) Automotive Engineering Research Institute (list as "CATARC AERI Changzhou")

Headquarters, Representative: Changzhou City, China; Director: Gao Jidong

2. NEXTY Electronics Group (total investment ratio: 50%)

1) Company name: TOYOTA TSUSHO NEXTY ELECTRONICS (DALIAN) CO., LTD.
(investment ratio: 25%; list as "NEXTY Dalian")

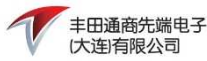
Headquarters, Representative: Dalian City, China; Director: Hideya Ito

2) Company name: C&S Group GmbH (investment ratio: 25%, list as "C&S")

Headquarters, Representative: Wolfenbuttel, Germany; President: David Bollati,
Frank Fischer

BACKGROUND

The automotive industry is undergoing a major technological evolution in the areas of Connected, Autonomous, Shared, and Electric, or "CASE" which is the current trend of the auto industry, and as a result, the ability to respond rapidly to new technologies is needed more than ever before. Of these aspects, in-vehicle Ethernet*2, which can support the high-speed and large-capacity communication data, is expected to be utilized in the next-generation automotive communications field. Especially in China where the automotive market is growing rapidly, there is an urgent need to standardize in-vehicle Ethernet, and to also develop standards conformance tests and certification schemes.



PURPOSE OF ESTABLISHING THE JOINT VENTURE COMPANY

CATARC is the only organization in China capable of formulating national standards for vehicles (GB, GB-T) *, and is also able to implement certification, product research, development, design, and verification. In addition, its group company, CATARC AERI Changzhou, has both extensive testing facilities and engineers.

NEXTY Electronics is expanding its business at an top-class scale in the automotive electronics sector, whose market is expanding via developments such as advanced safety vehicles and autonomous driving. Meanwhile, its group company, NEXTY Dalian, has built a successful track record in the development and evaluation of automotive software for OEM and Tier 1 manufacturers, especially those based in Japan.

As with NEXTY Dalian, C&S is a group company of NEXTY Electronics Corporation. As a standards-compliant testing organization for automotive communications in Europe, C&S provides testing and consulting services for automotive communications, mainly to OEM and Tier 1 manufacturers in Europe, and abundant know-how in in-vehicle communication and calibration testing.

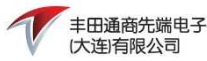
By providing automotive Ethernet testing services to OEM & Tier 1 manufacturers in China, and working with CATARC Group to standardize in-vehicle Ethernet*, establish standards conformance tests, and develop certification schemes, this joint venture company will promote the widespread adoption of in-vehicle Ethernet in China while contributing to the acceleration and advancement of next-generation mobility.



(Left) Rong Hui , Vice Director Of CATARC Automotive engineering Research Institute
(Center) David Bollati, President of C&S Group GmbH
(Right) Takahiro Kondo, Regional Chief Operating Officer for East Asia;
President of Toyota Tsusho (China)Co., Ltd.

*1: GB, GB-T: The-technical standards defined by the Standardization Law of the People's Republic of China. GB standards are compulsory standards while GBT are voluntary standards.

*2: In-vehicle Ethernet: Ethernet is the LAN standard for corporate networks, etc., while this is the version intended for automotive use. It is expected to be high-speed and large-capacity.



豊田通商先端電子
(大連)有限公司
C & S



中汽研(常州)汽車工程研究院有限公司

■ About TOYOTA TSUSHO NEXTY ELECTRONICS (DALIAN)

NEXTY Dalian provides high-quality software development in the growing automotive software market. The company is also accepts software evaluation work, providing testing services especially in the e-Cockpit field (Car Nav systems, instrument panels) using the actual equipment.

For more information, visit <http://www.dl.cn.nexty-ele.com/>

■ About C&S Group GmbH

C&S Group GmbH possesses a wealth of know-how in automotive communications, including Ethernet and CAN, and is a provider of standard conformity testing and consulting services to OEMS and Tier1 manufacturers mainly in Europe.

For more information, visit <https://www.cs-group.de/>

■ About the CATARC (Changzhou) Automotive Engineering Research Institute

The CATARC (Changzhou) Automotive Engineering Research Institute is positioned as the engineering company of the CATARC Group, the only entity in China able to formulate national standards for vehicles. The institute provides engineering services as well as support for standards formulation and certification.

For more information, visit <http://www.chinaaeri.com/>

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