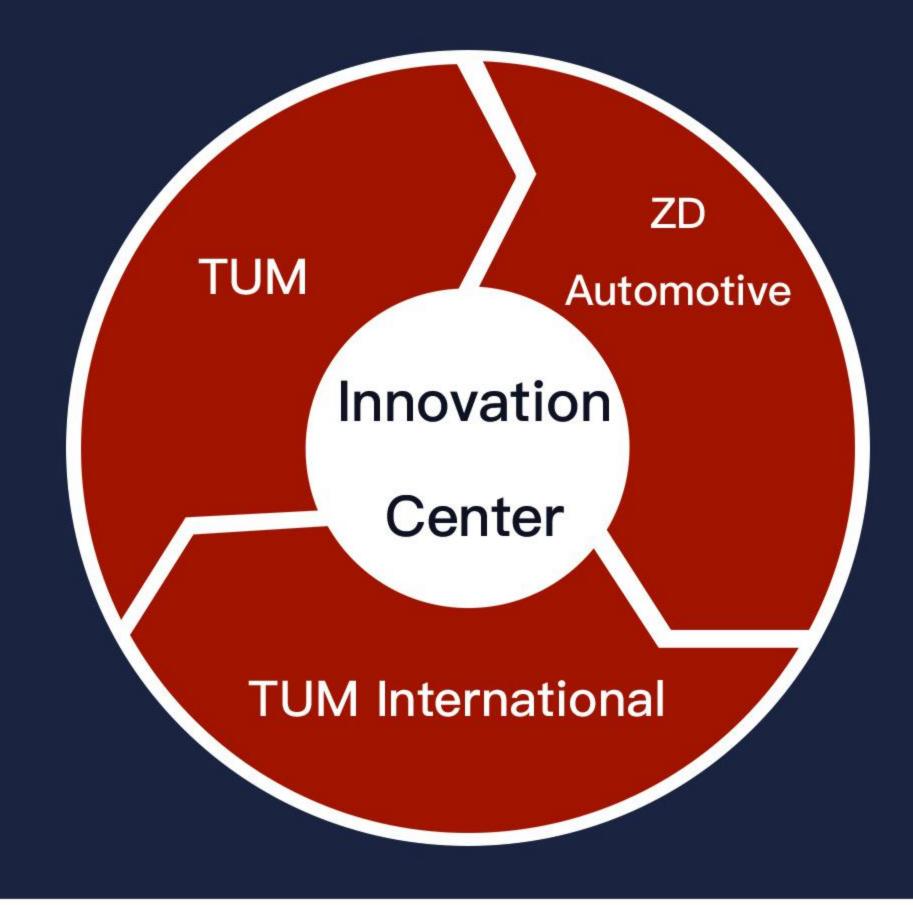
TUM International ZD Nanjing Innovation Center



知迪汽车技术 ZD Automotive

TUM International ZD Nanjing Innovation Center

The TUM International ZD Nanjing Innovation Center was jointly founded by ZD Automotive and TUM International. Relying on the scientific research background of the world–class university TUM, the innovation center introduced a new kind of cooperation between university and industry.



The innovation center is located in Jiangning District,
Nanjing. Jiangning District is one of the districts with
the fastest economic development in Nanjing. It is an
advanced manufacturing base, logistics hub and
airport hub in eastern China. Colleges and
universities gather in the area and possess important
talents and search resources.



TUM & TUM International GmbH

Technische Universität München (TUM) is located in Munich,
Bavaria. As one of the 50 best universities in the world, TUM
has achieved outstanding results in the
industry–university–research cooperation in the fields of
automotive, biology, chemistry. Furthermore, TUM is
characterized by its spirit of innovation and entrepreneurship.

- ✓ Rated as one of Germany's top universities by CHE
- One of the Universities of Excellence that is funded highly for "Future Concept
- √ 17 TUM professors and alumni have received the Nobel Prize
- ✓ Well-known scientist: Rudolf Diesel Inventor of Diesel engine, Carl von Linde discoverer of the refrigeration cycle, etc.
- As a subsidiary of the TUM, TUM International GmbH is a leading provider for the development, coordination and operation of integrated science and industry clusters as well as technology transfer and talent management programs with international partners from research, politics and industry.



ZD Automotive

ZD Automotive focuses on providing system solutions in the fields of new generation Infotainment systems, autonomous drive and V2X. Our innovative HW/SW products in the area of simulation, data logging as well as test automation facilitate engineering of new generation vehicles.

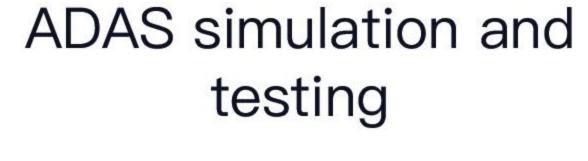
Furthermore, we are exploring new technology in the era of big data and the Internet of things, using our comprehensive know-how to support our customers and partners in their digital transformation.

References





V2X Simulation Platform







Cloud solution for vehicle data

Smart test automation solution



Focus of the Innovation Center

Research Cooperation

Relying on the excellence of TUM in research and teaching, ZD Nanjing Innovation Center establishes a professional team and platform to promote the projects of cutting-edge technology with high potential.

Business Incubation

The Innovation Center will support growth-oriented startups with focus on crossfield technologies such as artificial intelligence and communications. With our partner network, we are committed to build an innovative and sustainable ecosystem to bring research and industry together.

Intellectual Property Management

The Innovation Center strengthens the management of intellectual property in key areas to systematically increase the innovation returns. In our integrated IP management, we will integrate the concept in all processes from R&D to marketing and after-sales. This centralized process is essential to protect the unique selling point legally and thus sustainable.

Research Areas



Big Data & Artificial Intelligence

TUM has outstanding technical and resource advantages in the field of big data and Al that support the Innovation Center strongly. We will focus on investigating the value chain of big data in general and adapt the outcome to different branches and levels.

Cybersecurity

Cybersecurity is essential for system stability in all kinds of network from IT, Internet of things / Vehicles. With the increasing complexity and reliance on informational system, new challenges rise with significant speed. A generally applicable security system is now an urgent need.

Satellite & Geo-Information

Geo-information technology has been grown rapidly in recent years together with the development of IT technology. A typical application is the visualization of geospatial data. Together with other data sources, the digital dashboard can present information directly on the intuitive 3D model.

Research Areas



ADAS & V2X

V2X enables the communication from Vehicle to Everything and becomes an essential part in the road map of autonomous driving. The innovation center promotes the C-V2X application in China together with BDS (BeiDou Navigation Satellite System).



New Simulation Technology

Simulation Technology using computer-aided method to perform virtual experiment instead of convectional ones. It can get results more quickly, easily repeatable and more economical. Especially in the areas of aviation, power grid and autonomous driving, the simulation technology gains more focus recently.



New Material

The Innovation Center will carry out the research on new materials and new structures, promoting their usages in various industries like automotive. We are committed to upgrade traditional industry in a sustainable way, especially in the fields of logistics and packaging. Our goal is to upgrade traditional industries to low-emission, lightweight, refined and economical ones.

Focus on Technology Shaping the Future

专注技术 创造未来



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