

# ADVICS

COMPANY PROFILE

公司简介



ADVICS CO., LTD.  
2-1, Showa-cho, Kariya, Aichi, 448-8688, JAPAN  
[www.advics.co.jp](http://www.advics.co.jp)



# ADVICS VISION

In 2001, representatives with a strong desire to create the world's number one brake system suppliers gathered together. Following the vision established at this meeting, ADVICS was born.

Our mission is to add value to society by creating products that improve safety, comfort and environmental responsibility.

We are committed to becoming a world-class, reliable brand by continuing to manufacture products and offer solutions that exceed customer expectations.

ADVICS is poised for future growth.

2001年，怀着成为世界第一制动器产品供应商的伟大理想，多家制动器产品供应商联手组合成一个供应商，诞生了爱德克斯有限公司。

一直以来，将品质至上作为基本理念，追求安全、舒适、环保等，通过这些具有吸引力的产品，打造出更加丰富多彩的社会，以此作为我们的使命，并且正在积极致力于创造具有新价值的产品。

爱德克斯公司的制动器产品以【安心】作为品牌，被世界所有汽车生产厂家所采用，把降低交通事故及环境保护等方面的事情作为我们的目标。

爱德克斯公司为了超越客户的期盼，创造更加美好的未来，毫无懈怠地追求进化发展，不断的挑战完善。

请期待我们更大的飞跃吧！

ADVICS's name derives from "Advanced Intelligent Chassis Systems".

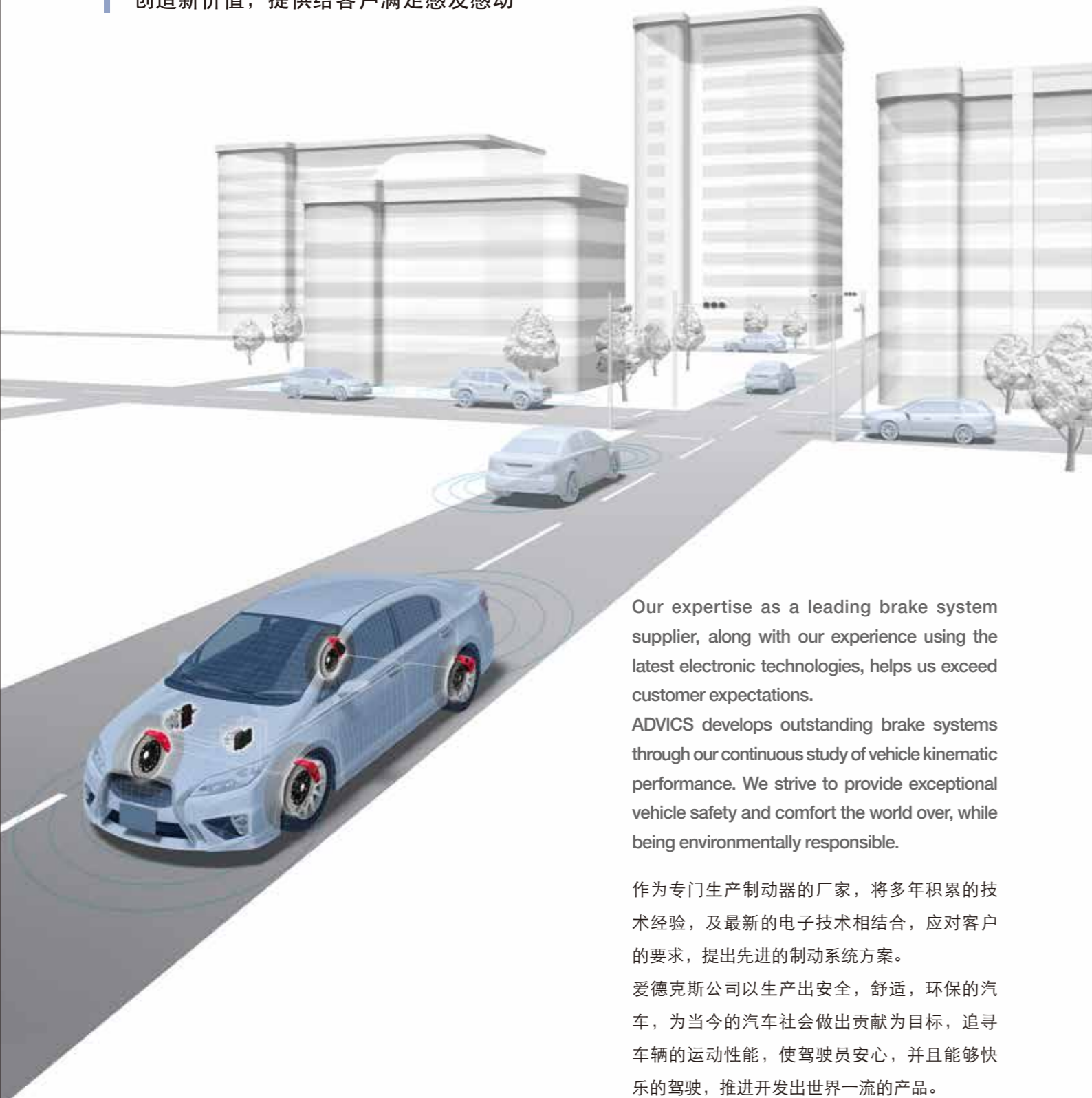


# Creating High Value

Creating Value.

Providing Customer Satisfaction and Inspiration.

创造新价值，提供给客户满足感及感动



Our expertise as a leading brake system supplier, along with our experience using the latest electronic technologies, helps us exceed customer expectations.

ADVICS develops outstanding brake systems through our continuous study of vehicle kinematic performance. We strive to provide exceptional vehicle safety and comfort the world over, while being environmentally responsible.

作为专门生产制动器的厂家，将多年积累的技术经验，及最新的电子技术相结合，应对客户的要求，提出先进的制动系统方案。

爱德克斯公司以生产出安全，舒适，环保的汽车，为当今的汽车社会做出贡献为目标，追寻车辆的运动性能，使驾驶员安心，并且能够快乐的驾驶，推进开发出世界一流的产品。

Brake  
Systems

## Environment

— 环境 —



Supporting harmony between people and automobiles, ADVICS is committed to environmentally responsible technologies such as regenerative braking systems that improve energy efficiency while enhancing recyclability.

为了将来人与汽车能够共存，

爱德克斯公司以能量再生协调制动系统为主，致力于环保技术的开发，削减对环境有害的物质，及提高循环再利用等方面的研究。

## Reducing CO<sub>2</sub> Emissions

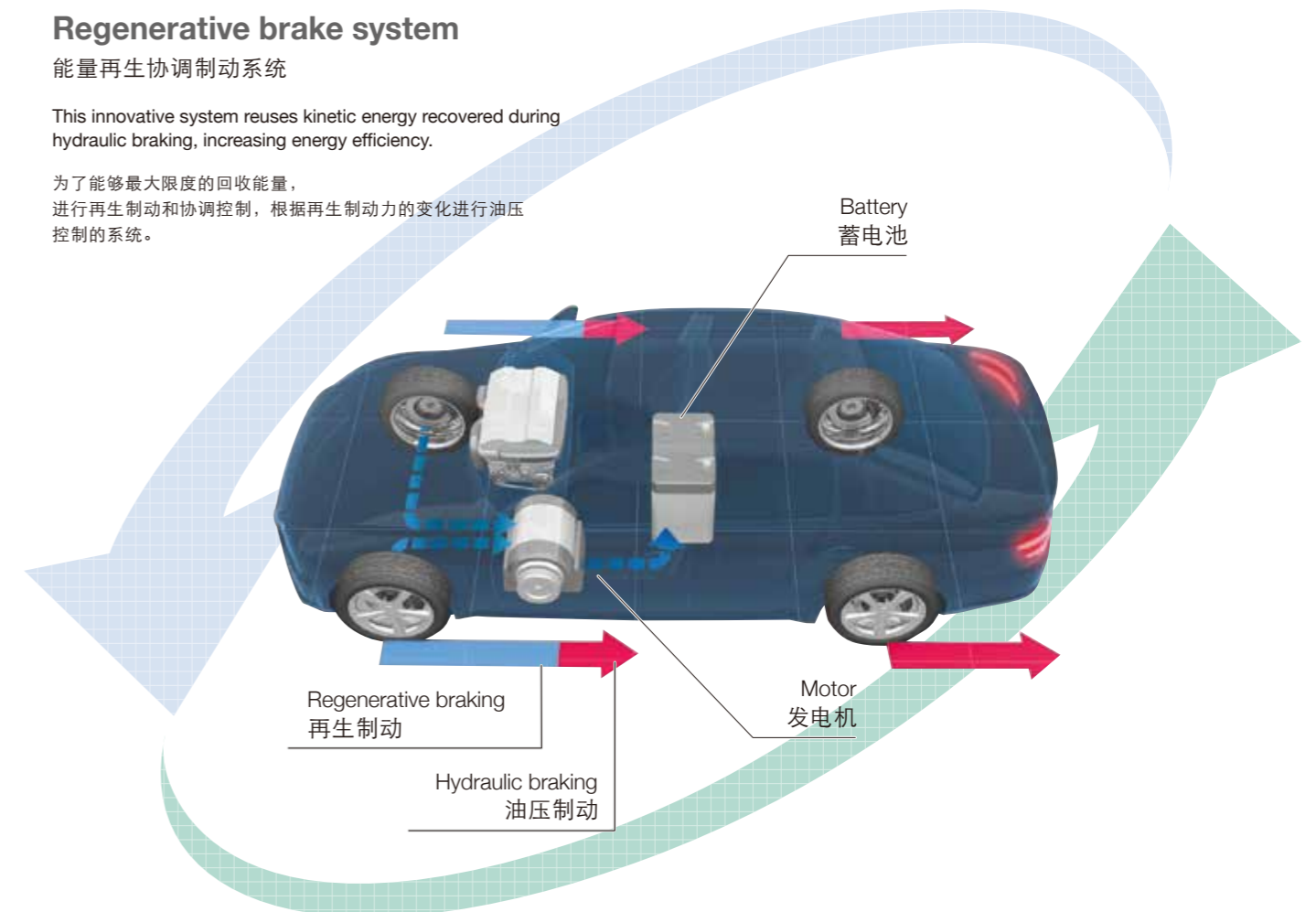
减少二氧化碳的排气量

### Regenerative brake system

能量再生协调制动系统

This innovative system reuses kinetic energy recovered during hydraulic braking, increasing energy efficiency.

为了能够最大限度的回收能量，进行再生制动和协调控制，根据再生制动力的变化进行油压控制的系统。



Brake  
Systems

Safety

— 安全 —



Brake  
Systems

Comfort

— 舒适 —



Modern cars must have systems in place assist preventing accidents.

ADVICS braking technologies are designed to complement these systems for improved safety.

为制造能减少事故，规避危险的汽车，爱德克斯正在进一步深化制动技术、推进系统开发，实现更高级别的主动安全。

ADVICS develops high-performance systems to assist drivers in every conceivable situation and to improve the overall driving experience.

为制造带给大家驾驶乐趣的汽车，爱德克斯正在开发高性能系统，辅助所有情况下驾驶员的驾驶。

## Improving vehicle safety

提高车辆安全性

### Vehicle Dynamics Control

车辆运行综合控制

A safe driving system that optimally controls the brakes, steering, powertrain and suspension in order to keep the vehicle traveling in the direction intended by the driver.

对制动、转向、动力传动系、悬架实施最佳控制，按照驾驶员希望的路线安全行驶的系统。



Ex.) Enables safe driving if suddenly hitting an icy road while turning.

例) 转弯中突然驶入结冰路面时也能够安全行驶



Ex.) Enables the driver to safely avoid a pedestrian who unexpectedly enters the roadway.

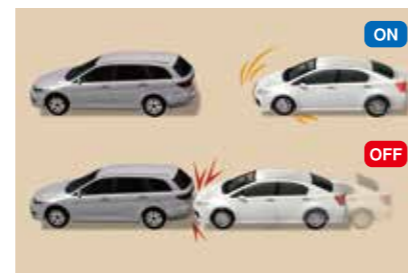
例) 可安全避开突然出现的行人

### Autonomous Emergency Brake

自动紧急制动

The autonomous emergency brake system that detects obstacles in front of the vehicle (by sensor) and automatically applies the brakes to avoid or minimize a potential collision.

通过传感器检测前方障碍物，当存在碰撞危险时，自动制动以避免或减轻碰撞的系统。



### Lane Keeping Assist System

防车道偏移系统

A driving support system that prevents the vehicle from unintentionally veering from the lane by detecting the distance from lane markings (by camera) and assists the driver in returning the vehicle to its lane.

为防止非驾驶员意图的车道偏离，通过摄像头检测汽车与白线之间的距离，并自动驾驶回车道内的支援系统。



## Adding user-friendliness

提高驾驶便利性

### Adaptive Cruise Control

自适应巡航控制系统

The adaptive cruise control uses sensors to measure the speed and distance of the vehicle directly in front of the driver and then automatically accelerates or decelerates to maintain safe distance and speed.

为保持安全车距，通过传感器等检测前车车速和车距，并自动减速或加速的系统。



### Crawl Control

智能越野缓进系统

The crawl control system that automatically controls the engine and brakes to maintain very low speeds and enhance driving performance in off-road driving.

越野行驶时，对发动机及制动实施自动控制，维持微低速，提升驾驶通过性的系统。



### Electric Parking Brake

电子驻车制动器

The system that automatically engages and releases the parking brake in synchronization with shift and accelerator operations.

与变速及加速操作等动作联动，自动启动或解除停车制动的系统。



Ex.) Preventing rolling back occurs in steep inclines.

例) 防止从坡道上溜坡

Engineering

# Sophisticated Development System

最尖端的开发体制

ADVICS has technical centers and proving grounds in Japan, North America, Europe and Asia.

To ensure safety in any road condition, ADVICS develops its products

to be reliable on a variety of road surfaces and in varying climate conditions.

爱德克斯在日本、北美、欧洲、亚洲均设立了技术中心，同时还配备了实施实车评价试验的试车跑道。为实现在所有道路上安全放心驾驶，调查世界各地气象条件、路面状况以及汽车使用方法，并推进开发及可靠性评价活动。



## Proving ground

测试跑道



## System development and components design

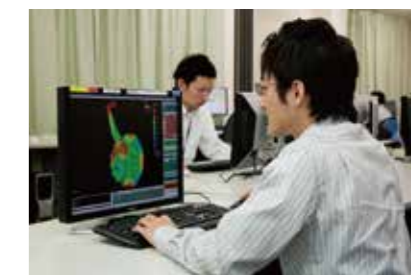
开发, 设计



HILS Simulation  
HILS 模拟装置



Simulation  
模拟



CAE



Fade test  
热衰退评价



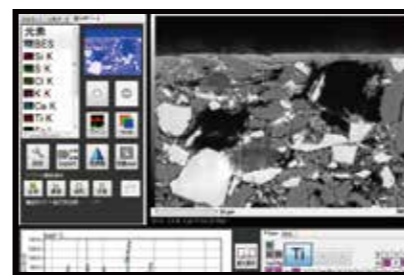
Anechoic chamber  
电波暗室



Chassis dynamometer  
底盘试验台

## Analysis technology

解析技术



Scanning Electron Microscope  
扫描电子显微镜



X-ray analysis  
X线解析



3D laser holography  
3维立体激光多普勒流速计

# Optimizing Global Production

— 把生产出最适合汽车厂家的产品作为我们的目标 —



Our products are locally manufactured throughout the world in order to be cost-competitive and to allow for quick response to volume fluctuations in our growing markets. Our customers around the world trust that we will meet their needs promptly and affordably. To do this we work diligently to procure materials and parts from our global network of suppliers, providing high-quality products.

为了强化发展中市场的成本竞争力，及生产变动所带来的风险的对应力，推进在世界各地的现地生产，积极应对全球范围内材料和部品的采购，在世界所有的地方，总是以低价格及时地为客户提供高品质的商品。

ADVICS's uncompromising commitment to quality has established a quality assurance system that promotes safety throughout the design and production of our products. Not only does ADVICS ensure the performance of the part itself, but we create products with the goal to deliver optimal performance to entire vehicle system.

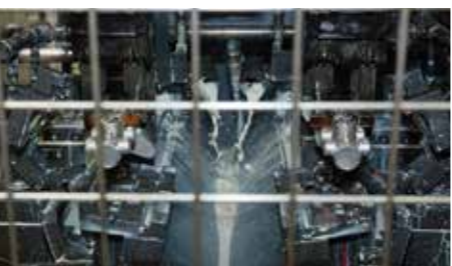
将【安心】送达到世界的千家万户。  
作为制动系统产品的供应商，不仅是保证部品本身的性能，而且要尽可能的在整个制动系统中发挥出最高的性能，完成好每一个部品的生产。

### ADVICS Kariya Plant

爱德克斯 刈谷工厂



Master cylinder casting  
制动主缸铸造线



Master cylinder machining  
制动主缸加工线



Master cylinder assembling  
制动主缸组装线



Brake booster & master cylinder assembling  
制动助力器 & 主缸总成组装线

### ADVICS Handa Plant

爱德克斯 半田工厂



ESC housing machining  
ESC 车壳加工线



ESC assembling  
ESC 组装线

### ADVICS Manufacturing Ohio, Inc.



### ADVICS Tianjin Automobile Parts Co., Ltd.

爱德克斯(天津)汽车零部件有限公司



### ADVICS Guangzhou Automobile Parts Co., Ltd.

爱德克斯(广州)汽车零部件有限公司



# A trusted global network

—— 建立信赖的全球网络 ——

ADVICS has a global network for the development, production and sales of products, with facilities in Japan, North America, Asia, Europe and Africa.

We can supply the very best systems for our customers' needs, anywhere in the world.

As an integrated supplier, we develop all components of our brake systems, including the brake pads, and utilize all resources of the ADVICS group to provide the world's best brake systems.

By exceeding customer expectations and providing local service, we strive to promote safety on all of the world's roads.

爱德克斯公司，为了及时地提供最符合客户要求的制动系统产品，在日本，美洲，亚洲，欧洲及非洲建立了开发，生产，销售一体的网络系统。

作为制动器产品的供应商，包括制动摩擦块，所有的部品都由我们亲自开发，

爱德克斯集团将所持有的全部资源有效的利用起来，把值得客户信赖的世界一流的制动器产品，在距离最近的地方提供给客户，同时也将安心送到。

⑱ ADVICS Europe GmbH

⑲ ADVICS Manufacturing Czech s.r.o.

⑳ ADVICS India Private Limited

㉑ ADVICS South Africa (Pty) Ltd.

⑫ ADVICS Tianjin Automobile Parts Co., Ltd.  
爱德克斯(天津)汽车零部件有限公司

⑬ ADVICS Guangzhou Automobile Parts Co., Ltd.  
爱德克斯(广州)汽车零部件有限公司

⑭ ADVICS Fuzhou Automobile Parts Co., Ltd.  
爱德克斯(福州)汽车零部件有限公司

⑮ ADVICS Yunfu Automobile Parts Co., Ltd.  
爱德克斯(云浮)汽车零部件有限公司

⑪ ADVICS Changzhou Administration Co., Ltd.  
爱德克斯(常州)管理有限公司

⑯ ADVICS Taiwan Automotive Parts Co., Ltd.  
台湾爱德克斯汽车零部件股份有限公司

① Head Office, Technical Center  
总公司、技术中心

② ADVICS North America, Inc.  
ADVICS Manufacturing Ohio, Inc.

③ ADVICS North America, Inc.  
Technical Center

④ ADVICS Manufacturing Georgia, L.L.C.

⑤ ADVICS Manufacturing Indiana, L.L.C.

⑥ ADVICS Manufacturing Mexico  
S. de R.L. de C.V.

⑦ ADVICS Automotiva Latin America LTDA.

① Kariya Plant  
刈谷工厂

① Handa Plant  
半田工厂

⑧ ADVICS Asia Pacific Co., Ltd.

⑨ ADVICS Manufacturing (Thailand) Co., Ltd.

⑩ PT. ADVICS INDONESIA

⑪ PT. ADVICS MANUFACTURING INDONESIA

⑰ ADVICS Taiwan Automotive Parts Co., Ltd.  
台湾爱德克斯汽车零部件股份有限公司

① Fujioka Branch  
藤网分室

① ADVICS Asia Pacific Co., Ltd.

⑨ ADVICS Manufacturing (Thailand) Co., Ltd.

⑩ PT. ADVICS INDONESIA

⑪ PT. ADVICS MANUFACTURING INDONESIA

① Main Customers  
主要顾客

Beiqi Foton Motor Co., Ltd.	北汽福田汽车股份有限公司
Daihatsu Motor Co., Ltd.	大发工业株式会社
Mercedes-Benz Group	梅赛德斯-奔驰集团
Stellantis N.V.	斯泰兰蒂斯有限公司
Ford Motor Company	福特
General Motors Company	通用(GM)
Hino Motors, Ltd.	日野自动车株式会社
Honda Motor Co., Ltd.	本田技研工业株式会社
Hyundai Motor Company	现代
Isuzu Motors, Ltd.	五十铃自动车株式会社
Mazda Motor Corporation	马自达株式会社
Mitsubishi Motors Corporation	三菱自动车工业株式会社
Nissan Motor Co., Ltd.	日产自动车株式会社
PT. SGMW MOTOR INDONESIA	PT. SGMW MOTOR INDONESIA
SUBARU CORPORATION	株式会社斯巴鲁
Suzuki Motor Corporation	铃木株式会社
Toyota Motor Corporation	丰田自动车株式会社
Yamaha Motor Co., Ltd.	雅马哈发动机株式会社

# Bringing harmony to the global environment

— 把环境和社会的和谐做为目标 —

All corporate activities of ADVICS are conducted with respect to the environment and are carried out in compliance with the local laws and in consideration of local culture.

ADVICS works to earn customer trust.

爱德克斯公司为了成为在世界各地值得信赖的企业，把与环境社会的共存，法规的遵守，地方文化的尊重，定位于企业活动的基本，积极地致力于各种活动中。

## A better global environment

把实现比现在更好的地球环境做为目标



ADVICS Tianjin Automobile Parts  
爱德克斯（天津）汽车零部件

### Introduction of renewable energy

引进可再生能源

We promote the use of natural energy by installing solar panels on buildings and also securing electric power for business continuity plans.

我们通过在建筑物上安装太阳能电池板等方式，推进自然能源的使用，并确保电力以保证业务连续性计划。



Cogeneration system (Kariya plant)  
电和热等集中共同供应系统(刈谷工厂)

### Thorough recycling

彻底的再利用

Waste materials are sorted and recycled on the premises. Rainwater is collected, and water discharge from our plant operations is also used.

公司内排出的垃圾，在用地内的回收中心进行分类，建造再利用的体系，还有，工厂内排水，及雨水的再利用等也正在积极地引进。

### ISO14001 certified

取得ISO14001的认证

In January 2005, ADVICS obtained ISO14001 certification for environmental management. Our priority is to develop technology and products in compliance with environmental law and regulation, making the most of the world's limited resources.

2005年1月在本社地区，取得了环境管理体系国际标准ISO14001的认证。在开发技术及产品的同时，更将环境等事项的考虑放在第一位，推进以「珍惜现有的资源」为基础的活动。

## As a member of a society

做为社会的一员



### Community Support

为地域做贡献

We supported environmental studies at local elementary school to contribute to youth development in society.

作为青少年培训活动的一部分，我们在当地的小学进行了环境学习。



We support the popularization of curling as well as the development of Hokkaido and Kitami City, where we operate the winter test and total of 3,500 employees visit every year. We have hosted the annual ADVICS Cup at the ADVICS Tokoro Curling Hall in Kitami City, Hokkaido.

全年共有3,500名员工到访，为进行寒冷地区试验的北海道和北见市的发展以及冰壶比赛的普及做出贡献。2014年度起在北海道北见市的爱德克斯常吕冰壶馆举办“爱德克斯杯”赛。