PRESS KIT

VALEO INNOVATIONS
SOLUTIONS TO MOBILITY CHALLENGES
SHANGHAI AUTO SHOW – APRIL 2021
Contents

Valeo at the 2021 Shanghai Auto Show
Providing new technologies to meet the challenges of modern mobility, where China is leading the way p. 3

Valeo, innovating for cleaner mobility
in a country on the rebound and beyond p. 5
- Valeo’s 48V systems adapted to all new forms of mobility
- High-powered electricity designed with China and for China, from the start
- No electric vehicles without thermal systems:
  Valeo presents two world firsts at the Shanghai Auto Show

Valeo, innovating for safer mobility
on roads in China and worldwide p. 9
- Detect, protect, inform: Valeo’s health shield to keep travel virus-free
- Assisted driving, protected driving
- Valeo’s 360° lighting technology, see and be seen more clearly for greater protection

Valeo, innovating for smarter mobility
in Asia’s largest country and all over the world p. 13
- Valeo presents its autonomous electric delivery droid
- Valeo Mobility Kit, the best in shared intelligence

Valeo, leader in technology at the epicenter of the transformations shaping mobility, firmly established in China p. 15
- Valeo, a leader in each of its businesses
- Valeo, firmly established in China
Valeo at the 2021 Shanghai Auto Show
Providing new technologies to meet the challenges of modern mobility, where China is leading the way

“While global automotive production was down 16% in 2020, China recovered very quickly after being hit hard. The decline in production in the country was limited to 2% over the year.” Report by the OICA (Organisation Internationale des Constructeurs Automobiles – International Organization of Motor Vehicle Manufacturers) – Thursday, March 25, 2021.

From April 21 to 28, 2021, Valeo will be at the Shanghai Auto Show, one of the world’s largest auto shows. The 19th edition of this international event is particularly significant, not only for the platform it gives new mobilities and the technologies helping shape them, but especially because China, the world’s largest automotive market, was the first country to be affected by the Covid-19 pandemic and the first to get through it. The Asian giant serves as a bellwether of the anticipated recovery of the world economy.

In the second half of 2020, the Chinese automotive market grew by 8% compared with 2019. In March 2021, it recorded its 12th straight month of growth, led by vehicle electrification and the research of safer mobility. The China Association of Automobile Manufacturers (CAAM) expects registrations to increase by 4% this year, and to reach 30 million by 2025.

In this sharply rebounding Chinese market, Valeo is outperforming automotive production. This proves that it has all the technologies needed to meet the challenges of mobility, an area in which China is now leading the way.

What are these challenges?

- First, there is the challenge of cleaner mobility. It is being met in particular by vehicle electrification, for which China is by far the world’s largest market, as well as by all the other technologies that can reduce CO₂ emissions. That includes thermal systems adapted to electrified vehicles, without which electric mobility simply could not take off. At the 2021 Shanghai Auto Show, Valeo is presenting the world premiere of a technology designed for electric cars, eliminating the dilemma of having to choose between travel range and in-vehicle thermal comfort. It complements electric powertrain systems (low and high voltage), and is suitable for all vehicles.
- There is also the challenge of safer mobility, which is being met with technologies that make for safer driving and enhance in-vehicle health and well-being. In Shanghai, Valeo is unveiling new lighting systems and highly efficient cabin filters that prevent viruses from entering the vehicle. Road safety also involves driving assistance, for which Valeo is the world leader today.
- Lastly, there’s the challenge of the new forms of mobility that are gradually appearing in our cities, like autonomous shuttles, robotaxis, and delivery droids, to which Valeo’s technologies are adapted.

Valeo’s innovations are all guided by a single necessity: to make mobility smarter. In practice, that means mobility that does not contribute to global warming, that consumes less energy, that is safer because it is assisted, that is capable of taking care of people and their health, and that is better shared with as many people as possible through its affordability.

Valeo foresaw the profound changes that are now reshaping mobility and, thanks to an innovation-driven strategy has developed a comprehensive portfolio of technologies to address them (see the “Did you know?” section below). This reality is reflected in the numbers: nearly 60% of the Group’s order intake today is for products that didn’t exist three years ago, and 94% of Valeo’s sales are derived from technologies that help to reduce CO₂ emissions and improve road safety.
These innovations are being developed all over the world, including in China, which is now Valeo’s largest operating country with nearly 20,000 employees, in 35 plants and eight R&D centers.

Did you know?
Valeo’s 12 labors: its 12 technological platforms

Thanks to massive R&D investments in recent years, Valeo has successfully achieved the feat of creating 12 technological platforms that cement its global leadership in electrification and driving assistance.

They allow products to be developed very quickly using a range of technological building blocks, including hardware and software. The resulting solutions are manufactured on a very large scale, which helps reduce their cost, but with the flexibility necessary to adapt them to the wide range of needs of vehicle manufacturers. The result is that a single product, like a 48V motor for instance, can take several forms for multiple uses (see details in the following section).

Five of the 12 technological “platforms” are for vehicle electrification (48V machines and inverters, 48/12V current converters, battery cooling, cabin thermal management and heat pump), three result from the Valeo-Siemens joint venture for high-voltage electrical products (machine, inverter and charger), and four are for driving assistance (front camera, driver monitoring, new-generation Valeo SCALÁ® LiDAR and autonomous POD combining sensors with dedicated cooling and cleaning systems).
Valeo, innovating for cleaner mobility
in the land of electrification and further afield

In 2020, 1.3 million of the 25 million registrations recorded in China were for “green” vehicles (electric and plug-in hybrids), an 11% increase year on year (China Association of Automobile Manufacturers (CAAM) data).

Valeo has been anticipating the demand for more environmentally friendly mobility for a long time. 60% of the Group’s original equipment sales (equipment sold directly to automakers for new vehicles) are derived from technologies that reduce CO₂ emissions. Electrification is ramping up and is set to represent 24% of the automotive market by 2030, and 61% by 2040 (see the "Did you know?" section below).

For nearly a decade, the Chinese government has been subsidizing and encouraging the development and use of plug-in electric vehicles, motivated by pressing environmental concerns and ambitious industry goals.

As a pioneer and World No. 1 in vehicle electrification, Valeo has invested more than ten billion euros in electrification over the past ten years. The Group boasts the broadest portfolio of technologies supporting this revolution and its technologies cover all segments and uses, from affordable hybrid solutions to the most powerful systems.

Valeo’s 48V systems adapted to all new forms of mobility

Valeo is a pioneer and world leader in 48V automotive systems.

Did you know?
Electrification is no longer just an option

2020 was a turning point in vehicle electrification, with a 43% increase in sales of electric and plug-in hybrid vehicles worldwide (Frost & Sullivan, December 2020).

It is projected that the period between 2018 and 2023 will see the launch of over 500 electric vehicle models. 24% of vehicles sold worldwide will be electric by 2030 and 61% by 2040.

In 2021, 12% of new cars were electrified in China. Of them, 51% were all-electric, 11% plug-in hybrids, 19% full hybrids and 19% 48V.

China is aiming for 20% of vehicles sold to be electric by 2025 and 50% by 2035.

Originally designed as affordable hybrid electrification solutions – which they still are – Valeo’s 48V systems were later developed into a fully electric powertrain solution.

Since then, 48V systems have taken off across the world, and Valeo is one of their leading promoters. The Group’s 48V-related sales increased 2.5-fold between 2019 and 2021.

It is also worth mentioning that Valeo’s 48V machines are “modular”. This means that by using the same technological base, produced on a large scale to make it affordable, they can perform several distinct functions. They can offer a light hybridization solution for a car with a combustion engine. They can even be mounted in different positions on the vehicle’s drive train, depending on the automaker’s requirements.

They can also be the sole engine of small urban vehicles, which are all-electric and emit no CO₂ whatsoever. This is the case for autonomous shuttles, robotaxis, bicycles, motor scooters, three-wheelers and delivery droids. The performance of Valeo’s powertrains is systematically adapted to their use: a four-wheeled vehicle powered by Valeo’s 48V system that can carry two people can reach a speed of 100 km/h with a travel range of 150 km. Valeo is already supplying a European automaker with equipment for this type of vehicle (launched in 2020).
A small three-wheeled passenger transportation vehicle using Valeo’s 48V motor is to be launched in India in 2021, along with a three-wheeled motor scooter in an ASEAN (Association of Southeast Asian Nations) country and a delivery droid in China in late 2021.

The term “technological platform” is used to describe Valeo’s 48V systems, which carry all the power electronics (the brain of the device).

High-powered electricity designed with China and for China, from the start

Through the Valeo Siemens eAutomotive joint venture, Valeo is a world leader in high-voltage (i.e., greater than 60V) systems for electric vehicles.

At the 2021 Shanghai Auto Show, Valeo is unveiling an innovation designed by the joint venture’s Chinese teams. It is a comprehensive all-electric powertrain system of 100 kW, including the electric motor, the inverter (the brain of the system) and the reducer (the equivalent of the gearbox).

While this electric solution is suitable for the small and medium-sized city cars that make up the majority of vehicles in China, it is also suitable for small sedans worldwide. It provides them with the necessary performance at a reasonable cost.

No electric vehicles without thermal systems:
Valeo presents two world firsts at the Shanghai Auto Show

As mobility is undergoing a revolution in terms of motorization, attention is most often focused on electric systems, but we should bear in mind that the revolution would not really be possible without innovative thermal systems. Valeo is playing a key role in the development of the electric vehicle through its expertise in battery thermal management and air conditioning, areas in which the Group is a world leader.

If you want to go a long way in your electric vehicle, you need to take special care of your batteries. Just like for the human body, the temperature has to be constantly monitored, protected and kept at the right level. If it’s too cold, it won’t deliver its full power, and if it’s too hot, it can even catch fire.

Valeo has mastered all the technologies needed for battery thermal management systems, which, combined with smart control of all thermal systems, ensure optimum performance, during both charging and driving, while also preserving the battery’s life span.

Did you know?
The more battery technology progresses, the more Valeo is involved

Batteries are not Valeo’s business, but it must keep up with the innovation as batteries evolve. Here’s why:

Third-generation lithium-ion batteries allow increasing amounts of energy to be packed into the same amount of space. As well as being more efficient, these batteries are also more sensitive to temperature variations and have a low optimal operating range (its cells must be kept between 15°C and 40°C at most). This requires extremely fine-tuned, precise cooling, which Valeo has developed.

Electric vehicles and infrastructure for connection to electrical networks are moving toward increasingly fast charging times. In the same way as a smartphone heats up when it is being charged quickly, battery temperatures can also increase very sharply (and sometimes too much). Valeo has developed battery cooling control technologies for all fast charging systems, going up to 350kW.
Starting this year, this Valeo battery thermal management technology will be a feature of a large (in terms of number of units) electric vehicle platform of a leading German automaker.

Two other innovations for the thermal systems of electric car cabins are making their debut at the 2021 Shanghai Auto Show.

- A major European automaker is presenting the world premiere of an HVAC (Heating, Ventilation and Air Conditioning) option for its new electric vehicle platform incorporating Valeo’s heat pump technology using a natural refrigerant. What’s the benefit? It removes the need to choose between the travel range of the electric vehicle and the thermal comfort of the passengers.

Heating, cooling and de-misting systems are the most energy-intensive components of a vehicle after the engine, and they run all year round, regardless of whether it’s hot or cold outside. In electric vehicles, these systems draw energy from the batteries, which reduces the electricity available to power the motor and can therefore have a significant impact on the vehicle’s travel range.

To solve this problem, Valeo developed the components for this innovation, which is based on a new heat pump and a natural refrigerant that delivers an unparalleled energy performance. The heat pump procures two-thirds of its energy demand from the ambient air, thereby limiting the need to draw down the onboard batteries. Used with a very high performance refrigerant, it enables electric cars equipped with it to travel further in winter (up to 30% further at -15°C) than those fitted with more conventional systems.

Did you know?
Orders are heating up for Valeo’s thermal systems

In 2020, almost 40% of the orders placed for Valeo thermal systems were for technologies related to vehicle electrification.

Over the past four years, these orders represent a cumulative amount of more than 5 billion euros.
Valeo is unveiling Valeo FlexHeater, its new smart heating technology for electric cars. It consists of radiant panels hidden under the cabin linings, which can be integrated into all types of surfaces (plastic, fabric, leather, wood, etc.).

It efficiently provides the vehicle's occupants with optimal comfort. Compared with a traditional heating system that delivers air flows at the desired temperature by ventilation, Valeo's innovation consumes 25% less electricity (with four passengers on board), and the savings increase to 50% when the driver is alone.

This technology uses thermal sensors and a camera, which together can define the most suitable temperature depending on the number of people in the car and their physiological condition. Electricity requirements are calculated accordingly, with no loss, helping boost the vehicle’s travel range. It is a comprehensive solution that transforms the electric car cabin into a smart cocoon.
Valeo, innovating for safer mobility on roads in China and worldwide

“The emergence of Covid-19 has made health-related options the most sought-after among purchasers of new vehicles in China today, representing 69% of purchase intentions.” IPSOS survey – March 2020.

Safer mobility is a top priority, but the word “safety” has many meanings. In mobility, it applies to several areas:

- In a world where we must learn to live with viruses (such as Covid-19), there is now the need to provide health safety;
- With 1.3 million deaths on the roads each year, we need to develop technologies that make vehicles safer;
- With the emergence of new mobilities, roads are shared between many more users today than in the past. Cars and public transportation, which formerly enjoyed near-exclusive use of public roads, now have to deal with a range of other users on anything from bicycles to scooters, two- and three-wheelers or single-wheelers. Cars have to be able to take this multitude of very vulnerable users into account with the utmost care.

Valeo develops solutions to improve the safety of all road users. The Group is a pioneer in the field, having brought the first ultrasonic sensors to market 30 years ago. Since then, Valeo has developed solutions that help drivers see and understand their surroundings, make the right decisions at the right time and drive safe from viruses.

Detect, protect, inform: Valeo’s health shield to keep travel virus-free

Valeo is a world leader in vehicle air treatment systems designed to ensure a healthy cabin environment. Its innovations protect people from all kinds of pollutants, germs, allergens, particles and viruses, transforming the vehicle into a sort of “health shield”.

Did you know? Health concerns dictate motorists’ choices

According to a survey conducted on behalf of the China Association of Automobile Manufacturers in March 2020 (after lockdown), in-cabin air handling systems were the most popular option when purchasing a new vehicle (68% of requests expressed).

The spread of Covid-19 has made health-related options the most sought-after among purchasers of new vehicles in China today, with 69% of purchase intentions and of which anti-germ filters top the list at 51% (IPSOS survey – March 2020).

Valeo estimates that sales of its interior and exterior particle detection technologies could increase sevenfold between 2021 and 2030.

Valeo’s most advanced technologies in this area combine three functions:

1) Detection. This involves sensors that allow a diagnostic of the interior and exterior air. They detect the fine pollution particles on which the viruses travel. The diagnostic is performed every second and over a measurement range as small as 1µg/cu.m (or 0.000001g/cu.m). The sensor automatically activates the recycling mode when particle concentration levels are too high. A premium German automaker is to equip one of its models with this technology starting in 2022.
2) Protection. Valeo’s highly effective air filters block 96% of allergens and 99.4% of viruses, including coronaviruses. Their effectiveness has been certified by Chinese laboratory CATARC (China Automotive Research Center Co., Ltd). They are a barrier to entry for air pollution. Thanks to layers of material and a natural coating, made up of polyphenols – a type of organic molecule widely found in plants, fruits, vegetables and good oxidants – they block ultra-fine particles, harmful gases, fungi, mold and certain viral particles of more than 0.0003mm. Thanks to Valeo’s highly effective filters, the air in an average-sized car cabin (3cu.m) can be purified in under five minutes by turning on the air conditioning.

3) Passenger information. Valeo’s pollution sensors can inform passengers about air quality in real time (via a smartphone or onboard screens). Together, several vehicles equipped with this technology will form a data community that will make it possible to “map” air quality in urban areas and track its fluctuation.

Assisted driving, protected driving

With its driving assistance technologies and expertise in active safety, Valeo aims to make roads safer. It all began with the first ultrasonic parking assist systems in 1991. The story gathered pace from 2004, and since then, at least every two years Valeo introduces yet another world first in driving assistance systems. It started with the first lane departure warning system, and has continued through to the first image-processing system enabling drivers to see through their trailer or caravan for maximum visibility, offered by Valeo XtraVue Trailer® in 2019.

Valeo has established itself as the world leader in the design and production of driving assistance sensors, allowing a finely tuned perception of the vehicle’s environment. It also boasts the market’s most extensive sensor portfolio to date (including LiDARs, cameras, radars and ultrasound devices), and above all, the one and only series-produced LiDAR aligned with automotive standards and fitted on vehicles already on the market.

Did you know?
Error is human
Safety is technology

94% of road accidents are due to human error.
Within five years, all new vehicles will be equipped with a front camera and an emergency braking system.
Driver alertness detection systems are also expected to be installed in 15% of new vehicles by 2025 and will help significantly reduce accidents caused by driver fatigue or inattention. In Europe, for example, 20% of fatal accidents can be attributed to fatigue or falling asleep.
Valeo is also at the forefront in this area, and has already been equipping Chinese automaker Great Wall’s series produced vehicles with its driver “companion” technologies since 2019. It is also to do so for a new model from a German automaker this year.
Increasingly assisted vehicles are equipped with a multitude of sensors that enable them to analyze their surroundings. These sensors need to remain clean at all times. Valeo drew on its expertise in wiping to design systems that ensure that cameras, radars and LiDARs always have a clear field of vision, in all seasons, all weather and all road conditions. Several fully automatic systems have been designed, using either fluid-saving cleaning nozzles or centrifugal lenses capable of getting rid of anything that obstructs vision.

**Valeo’s 360° lighting technology, see and be seen more clearly for greater protection**

Visibility systems such as lighting and wiping, areas in which Valeo is a world leader, are a powerful driver of improved road safety. One figure sums it up: 72% of fatal road accidents occur at night, when visibility is most impaired.

For several years, Valeo has been marketing lighting systems that allow drivers to use their headlamps on high beam, in all circumstances, without ever blinding other road users. These headlamps work thanks to a camera, built into the vehicle, that detects oncoming vehicles and dims the light in that area to avoid glaring drivers coming in the opposite direction.

With Valeo PictureBeam Monolithic, the new smart lighting systems will do much more than simply improve visibility; they will go beyond their original function to provide more safety, assistance and driving comfort. To achieve this, Valeo is bringing electronics and artificial intelligence to the center of optics. The next step will be to devise headlamps that can draw the curves of the road and provide warning of upcoming turns. The image projected in the driver’s field of vision will help anticipate and facilitate maneuvers.

Another idea is to project pictograms or danger messages on the ground, which drivers can see without taking their eyes off the road. Yet another is headlamps capable of creating a virtual crossing on the roadway to let pedestrians know they can cross, or even an indication of the safety distances to be observed when the driver overtakes a cyclist.

At the 2021 Shanghai Auto Show, Valeo is announcing the development of the first 360° lighting solution that completely surrounds the vehicle, offering new features focusing on all vulnerable road users. Light projection takes on a new meaning: it also allows communication for greater safety.

The technology actually consists in projecting maneuvering information like a change of direction or the activation of reverse gear on the ground, when the vehicle is moving. It can also project welcome messages or door opening signals covering a short distance around the vehicle. Each time, they are clear, simple, instantaneous indications that enter the field of vision of other road users near the vehicle. Users targeted include other motorists and, above all, pedestrians and all users of new mobility solutions, all of whom are vulnerable (cyclists, people on scooters, motor scooter riders, etc.). Urban congestion, and the increasing numbers of electric vehicles, which are silent, add up to increased risks, prompting us to look for new functions to share the road better and make mobility safer.
What really sets Valeo apart is our ability to offer these cutting-edge technologies at prices that match the car – not only for premium segments, but for all types of vehicles.

When autonomous vehicles are in traffic, this 360° lighting technology will also give them enhanced and pertinent communication possibilities. The solution already makes it possible to establish a form of link between the car and its passengers, for example by personalizing the welcome in the cabin with the projection of a luminous “carpet”.

![Valeo Lighting Technology](image-url)
Valeo, innovating for smarter mobility in Asia’s largest country and all over the world

“Shanghai has to date opened a total of 243 roadways covering 560 kilometers for self-driving vehicle road testing”, Shanghai Municipal Transport Commission.

Valeo presents its autonomous electric delivery droid

At the Shanghai Auto Show, Valeo is presenting its autonomous, electric delivery droid prototype, Valeo eDeliver4U.

At 2.80m long, 1.20m wide and 1.70m tall, the vehicle can deliver up to 17 meals per trip, autonomously negotiating dense and complex urban environments at about 12km/h without generating any pollutant emissions. With a range of around 100km between two charges, this prototype gives us a glimpse of what home delivery could look like in the near future, especially in the ever-growing number of zero-emissions zones that are being created around the world.

Electric power and autonomy are delivered by Valeo technologies that are already series produced and aligned with automotive industry standards, thereby guaranteeing a high level of safety.

The electric chassis features a Valeo 48V motor and an inverter, which acts as the system’s “brain” and controls the power, a speed reducer, a battery, a DC/DC converter and a battery charger, as well as electric power steering and braking systems.

The droid operates autonomously using perception systems including sensors such as four Valeo SCALA® (see also page 14), a front camera, four cameras providing a panoramic view around the vehicle, four radars and 12 ultrasonic sensors, coupled with software and artificial intelligence for data fusion and all safety-related functions (detection of all elements surrounding the vehicle, piloting and safety functions).
Valeo Mobility Kit, the best in shared intelligence

Valeo is the global leader in driving assistance systems, with its technology integrated in one in four vehicles produced worldwide.

Valeo has the most extensive portfolio of solutions on the market, offering ultrasonic sensors, cameras, radars and, therefore, the only series produced* automotive-grade 3D LiDAR. These technologies are a bit like the vehicle’s eyes and ears. Valeo also provides the brains of the technology – the control unit – which combines and processes the data collected. The control unit maps out a detailed 360° image of the vehicle's surroundings and uses algorithms to detect objects and provide safety functions.

At a time when mobility is taking on new forms and new vehicles are appearing, such as droids and other small delivery robots, Valeo is rolling out its ready-to-use technologies that can be integrated into the new driverless vehicles. The Valeo Mobility Kit, presented at the 2021 Shanghai Auto Show, consists of sensors, electronic control units and algorithms. It can also be completed with perception, localization and control software.

This is how driverless logistics solutions, benefiting from Valeo’s “Plug & Play” perception systems (operational as soon as they are installed), can take shape. New business can be created, based on proven technologies and with automotive quality and reliability, at affordable costs thanks to series production.

* The first two cars in the world with level 3 automation, which are set to enter the market in 2021, will be equipped with Valeo’s LiDAR technology, Valeo SCALA®.

Did you know?

Test areas dedicated to self-driving vehicles are proliferating in China

The race for self-driving vehicle development is accelerating in China. Baidu, a Valeo partner through its Apollo platform dedicated to self-driving vehicles, and AutoX have already obtained authorization to conduct tests without a driver at the wheel.

China’s first test area for self-driving vehicles, offering six practical usage scenarios (with representations of a residential area, an industrial area, a campus, a scenic location, a commercial area and an urban area), was opened in Shanghai in January. Its aim is to accelerate the development of the smart connected vehicle industry in Shanghai and across the country.

The new open test area in Fengxian District will serve as the country’s first multi-scenario test area, covering various types of locations, simulating all kinds of hazards and applicable to all types of vehicles (Source: Shanghai Observer – January 9, 2021).

It joins two other existing smart connected vehicle pilot zones in Shanghai, one in Jiading District, and the other in Shanghai Lingang, located in the Pudong New Area.
Valeo, leader in technology at the epicenter of the transformations shaping mobility, firmly established in China

“In January 2021, the International Monetary Fund projected that China would grow by 8.1% over the next 12 months.”

Valeo is a technology company uniquely positioned at the epicenter of the revolutions shaping mobility. Valeo develops technologies that facilitate the shift to cleaner, safer and smarter mobility, with the requirement to make them accessible at all times.

Valeo is the world leader in vehicle electrification and driving assistance systems (or ADAS) – the two markets set to experience the most growth in the coming years due to regulations and aspirations for safer, cleaner mobility.

Over the past ten years, Valeo has invested more than ten billion euros in technologies that reduce CO₂ emissions. The Group’s sales (16.4 billion euros in 2020) from technologies that reduce CO₂ emissions have increased 20-fold since 2009 and are set to reach around ten billion euros in 2021.

Last year, Valeo invested 12% of its original equipment sales in R&D – a ratio comparable with that of the world’s tech giants rather than its industry peers. The Group employs 20,000 engineers in R&D (compared with 6,000 in 2009). Its innovations are protected by a portfolio of 34,000 active patents worldwide.

Valeo, a leader in each of its businesses
- Powertrain Systems: World No. 1
- Driving Assistance Systems: World No. 1
- Visibility Systems: World No. 1
- Thermal Systems: World No. 2

Valeo, firmly established in China

Valeo has been active in China since 1994, with the first production sites in Wenling for windshield wipers and in Shashi for air conditioning. In 1995, Valeo set up operations in Wuhan for lighting and in Shanghai for electrical systems. A plant for transmission systems was opened in Nanjing in 1997.

In 2004, Valeo opened its first lighting R&D center in China, in Wuhan. Valeo then continued to develop its compressor business in Changhun and its lighting business in Foshan. In 2011, a global R&D center was established in Shenzhen, dedicated to electronics expertise. Investments continued with the opening of new plants in Shenyang for lighting, Jinhua and Tianjin for thermal systems, and Wuxi for powertrains in 2013. Valeo established a joint laboratory with Jiaotong University in 2016 and invested in the Cathay CarTech fund to develop the mobility ecosystem in China.

Today, China has become the Valeo Group’s largest country by sales and headcount, with 35 plants, 12 R&D centers and 19,000 employees.