

**TAKING YOU FORWARD**

WWW. GOLDENDRAGONBUS. COM

XIAMEN GOLDEN DRAGON BUS CO.,LTD    Add: No.69 Huli St.Huli Ind.Zone,Xiamen,Fujian,P.R.China    Post code:361006  
Tel:86-400-8867-866 86-592-5608977    Fax:86-592-5608979    Email: ied@goldendragonbus.com

Version 1,July,2019



**GOLDEN DRAGON**

**ASTAR**  
**AUTONOMOUS DRIVING BUS**



## **READY FOR TOMORROW**

The integration of information and telecommunication into the vehicle makes Intelligence vehicle become the important carrier and the typical application, Intelligent vehicle shapes the tendency of vehicle technology and the industry development in the future.

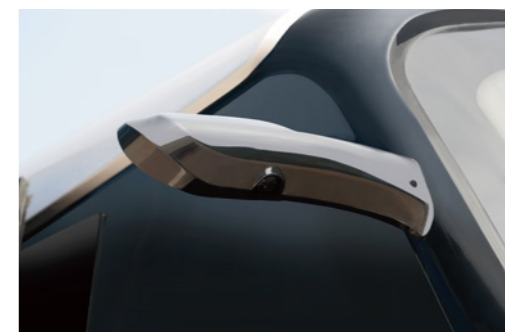
As the new outcome of global technology revolution, the intelligent autonomous vehicle has developed beyond the boundary of vehicle industry. Vehicle intelligence is the typical application of sensors, mechatronics, and artificial intelligence to enhance vehicles or make them become fully autonomous vehicles.

Features that may depend on vehicle intelligence include adaptive cruise control, stability control, accident avoidance systems, navigation and adaptive engine control.



## MAKING CITY MORE ALIVE

Astar Micro-circulation autonomous bus is co-designed by Golden Dragon with the DCA. It is specially designed for the automatic driverless. The design concept of fashion streamlined makes the Astar bus body possess the lower drag coefficient.





## MINOR DIMENSION, MORE SPACE

Astar bus adopts the integrated design. 1.1-meters width bus door ensures safe boarding and save the parking time efficiently, this will bring the value maximization. With 9+1 passenger seats, the maximum passenger capacity can be 24, this will easily deal with the passenger flow in the rush hour.

The simply style of passenger compartment design with the bright color, electronic sliding plug doors, 32-inch LCD kiosk, large size side windows will always provide comfortable sitting atmosphere for the passengers.

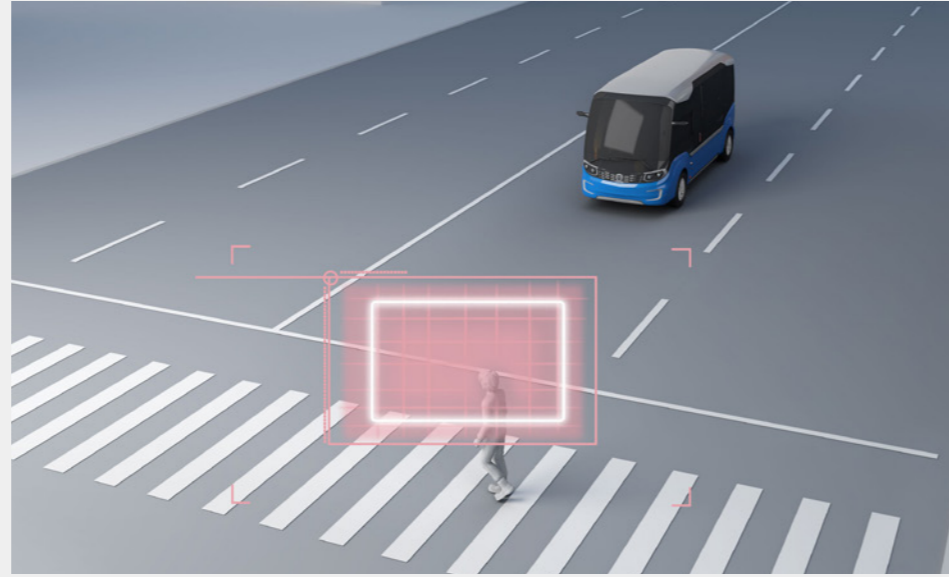
# SMARTPILOT AUTONOMOUS DRIVING PLATFORM

SMARTPILOT is the outcome of product reformation and technology innovation, which Golden Dragon has been devoted. It is also the latest intelligence driving system with the development concept of practicality and applicability. SMARTPILOT AUTONOMOUS DRIVING PLATFORM consists of sensing layer, fusion layer and control planning layer. It can communicate with driver and passenger through the Man-machine interface. Engineers also make the redundancy designs of each part of this platform for safety sake.

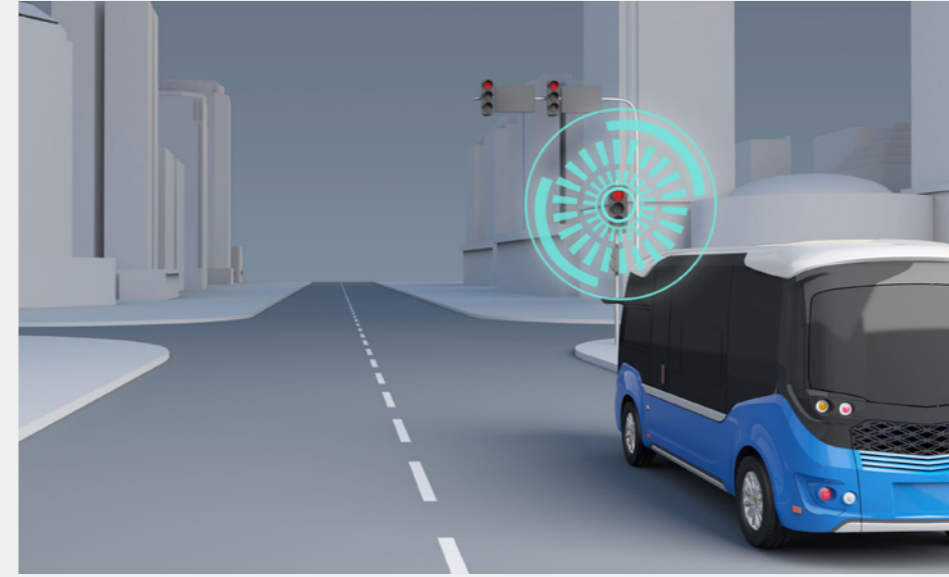




Site Parking



Avoid Pedestrians



Intelligent Recognition Traffic Lights

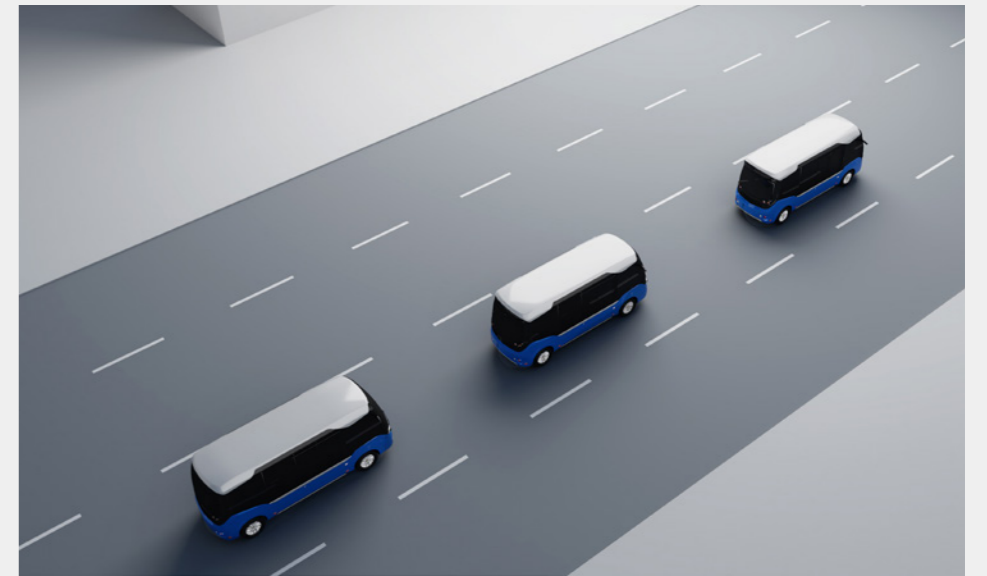


Cooperative Road Surveillance System

Depend on the big data platform and IOV (Internet of Vehicle ) technology, 5G technology will strengthen the vehicle perception system, men, Vehicles and roads are no longer separated, they are the real integration. Based on 5G Network, Golden Dragon IOV technology has the advantages of high reliability, low-delay, high bandwidth, and so on.

# LEVEL 4 AUTONOMOUS DRIVING MODE

# V2V COMMUNICATION



Vehicle to Vehicle Communication

# OPTIMIZE YOUR BUSINESS

With the rapid development of urban and the public transportation, more and more community and towns can not be covered by the public traffic. Within some enclosed areas like industry area or tourist area, people are not easy to find proper eco-friendly means of transportation. From the analysis of Big Data and Market Research, Golden Dragon believes that the ideal of sharing smart transportation in Astar bus is the tendency of future.

The AI of Astar bus can analyze the custom of passengers, then make the planning program to make the transportation efficiently. And passengers also can make an arrangement of Astar bus route by phone application to achieve the trip from home to destination.





## AUTONOMOUS BUS CHRONICLES

Since 2015 to 2019, Golden Dragon autonomous driverless buses complete over 200 days and 50000 kilometers operating test on open roads.

- 2012, New Technology was set up to start the research and development of autonomous driverless bus.
- August 2016, the first unit of Astar bus rolled off the production line.
- June 2017, the first unit of Astar bus completed the one-week operating test in Shanghai Automobile City.
- September 2018, World Artificial Intelligence Conference 2018 held in Shanghai. Astar won the Best Application Award of WAIAC.
- November 2018, Astar got the first open road test license of autonomous driverless bus in China.
- January 2019, Astar won the Demonstration Star Award in the 13th Great Influence to China Buses Industry Forum.