

EN ROUTE

| YUTONG NEWSLETTER

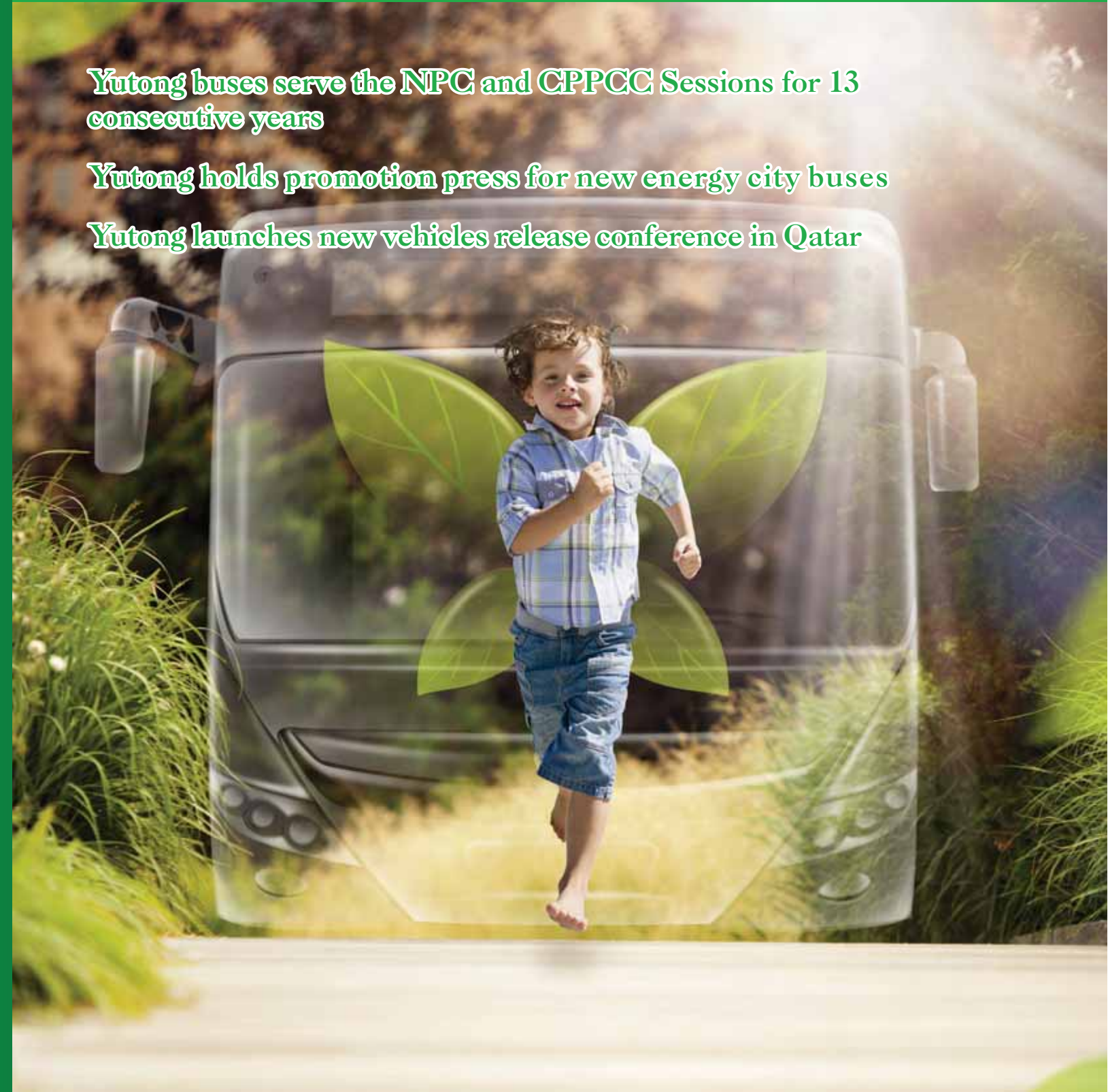
| ZHENGZHOU YUTONG BUS CO., LTD

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Yutong holds promotion press for new energy city buses

Yutong launches new vehicles release conference in Qatar



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DEVELOPMENT HISTORY OF YUTONG NEW ENERGY BUSES

Early in 1999, Yutong developed a full electric bus. In 2005 and 2007, Yutong launched the first and second generation hybrid buses respectively, and set up a new energy bus project team and worked out the new energy development strategy. In 2009, Yutong established the New Energy Products Department to integrate internal and external resources and prepare for the industrialization of new energy vehicles. In July 2011, Yutong invested 3.86 billion yuan to build the manufacturing base of energy-saving and new energy buses with a planned production capacity of 30,000 units. At the end of 2012, the base was put into operation and provided a large capacity for the production of new energy buses. In 2013, Yutong officially released ReCtrl technology, which can accurately define the vehicle's real-time status and smartly

offer optimum power combination program. In 2014, Yutong officially launched the integrated solution program of full electric buses and coaches. In 2015, Yutong made public the integrated solution program of full electric city buses, including E-products, easy supporting facilities, easeful service and enormous financial opportunities.

Dedicated to figuring out and understanding the needs of customers, Yutong continuously enhances the efficiency of each step of the entire life cycle of vehicle operation, integrates intelligent and energy technologies, and improves customers' mobility experience so as to make positive contributions to the sustainable transport development.



TECHNICAL APPLICATION OF YUTONG NEW ENERGY BUSES

3S SAFETY TECHNOLOGIES ENSURE THE SAFETY

All Yutong new energy products meet the 3S safety technical requirements, namely fireproof, waterproof and electric shock resistant.



FIREPROOF

The onboard energy storage device shall go through the fire, high temperature, acupuncture and other tests according to 3S safety technical requirements, and no fire and explosion shall be detected during the test. Through this way, it can ensure

that the vehicle will not smoke or catch fire due to battery problems caused by accidents, thus protecting the safety of passengers.



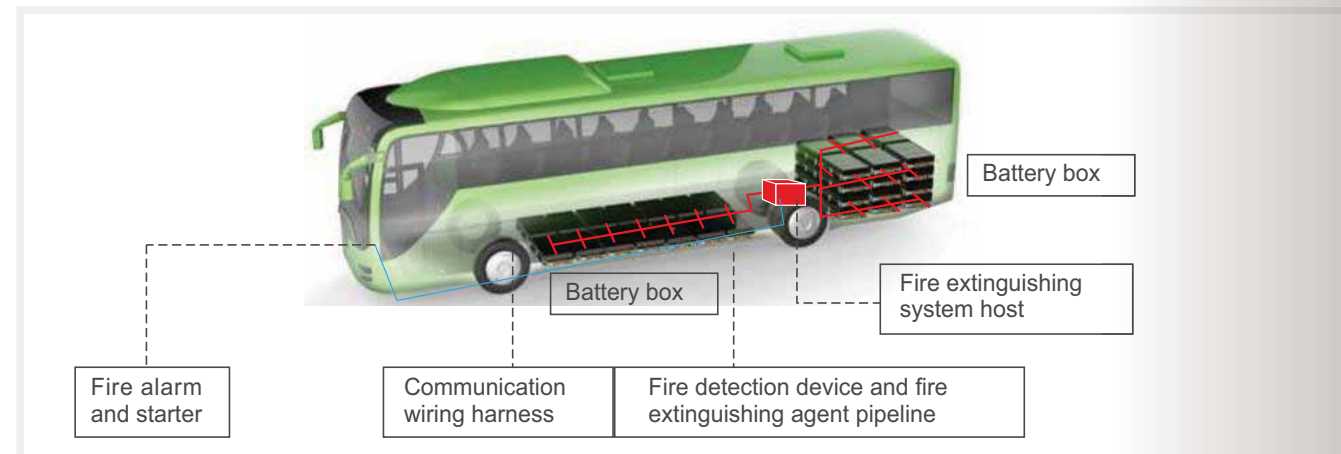
Direct combustion for 70S



High temperature test



Acupuncture test



WATERPROOF

After the wading test of a vehicle is completed, the total insulation resistance is greater than $5k\Omega/V$ and no short-circuit, leakage and other problems are detected, thus eliminating the risk of electric shock. The protection level of

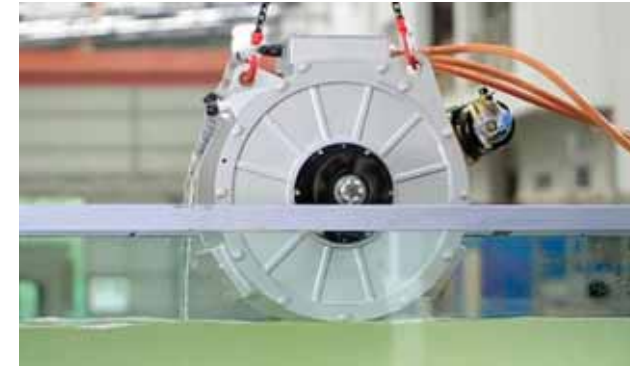
battery module, drive motor, electric air compressor reaches IP67 which ensures the normal operation of vehicles on flooded roads in rainy days.



Wading test of whole vehicles



Wading test of batteries



Wading test of electric motor

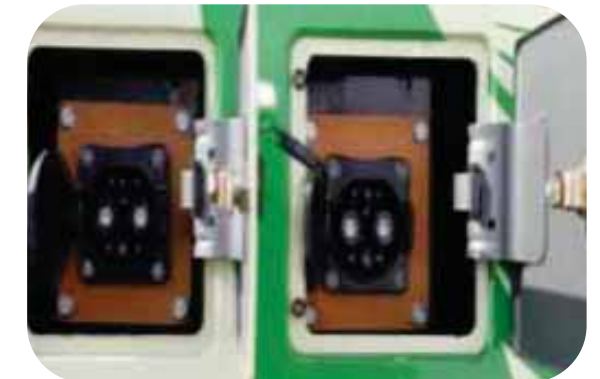


Wading test of air compressor

ELECTRIC SHOCK RESISTANT



The exposed wires, terminals and connection units are fully enclosed. The protection is firm and resistant to mechanical impact, and can not be opened, detached or removed without tools or due to inadvertent action.



For live parts of the power system, the direct contact is prevented through the insulation or the use of cover, fence, metal mesh and so on.

**AVOID
DIRECT
CONTACT**

Protection level IPXXB for live parts outside the passenger and luggage compartments
——prevent access of fingers



Protection level IPXXD for live parts
——prevent access of metal wires



Through the function of direct contact avoidance, insulation resistance monitoring system, real-time monitoring system and so on, the anti electric shock protection is achieved which

meets the 3S safety technical requirements and avoids the risk of electric shock.

Remote
monitoring
platform



Mobile phone
monitoring
platform



Charging process monitoring

Driving process monitoring

Insulation monitoring

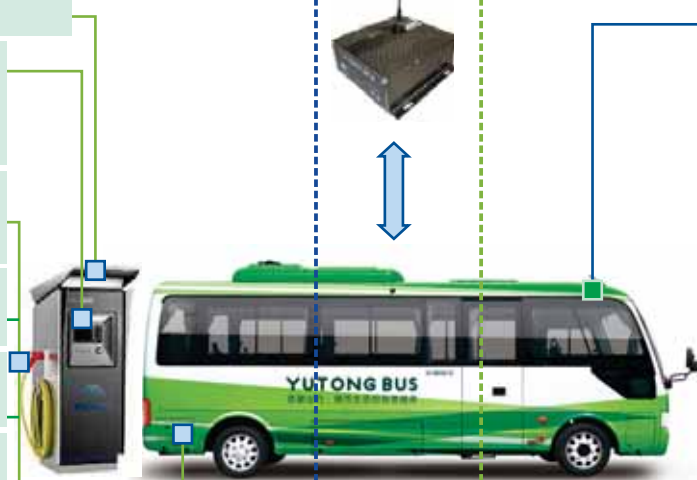
Over-voltage,
over-current,
short circuit,
overheating
protection

Charging
voltage and
current limiting
function

Anti counter
charging
function

Charging
disconnection
protection

Abnormal
voltage drop
monitoring in
the circuit



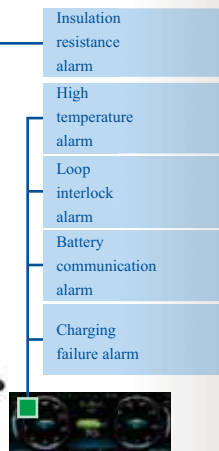
Insulation
resistance
alarm

High
temperature
alarm

Loop
interlock
alarm

Battery
communication
alarm

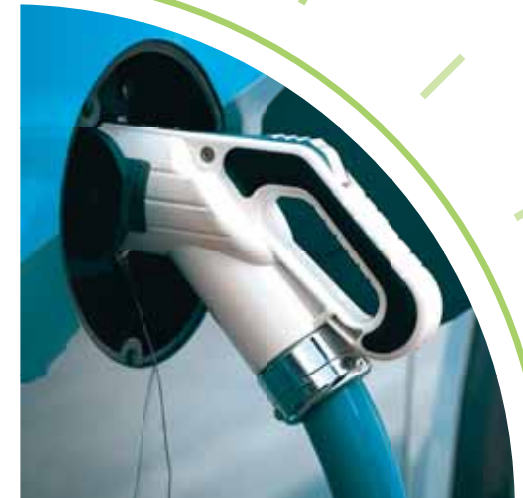
Charging
failure alarm



FOR YOU, FOR FUTURE!

In the future, Yutong will further increase investment in R&D and industrialization, continuously improve product performance and quality, and expand the scale and scope of promotion in a bid to make greater contributions in terms of

automotive industry transformation, overall upgrading of the manufacturing industry and realization of energy saving and emission reduction target.



Yutong holds promotion press for new energy city buses



Over 400 bus experts and representatives from bus operators across China gathered at Yutong on February 27, attending ReCtrl Leading New Upgrading---Yutong New Energy City Bus Promotional Campaign and discussing sustainable new energy public transportation development. At the one-day meeting, the newly upgraded ReCtrl System and Yutong New Energy Public Transportation Solutions made a high-profile debut. Their appearance in the market is a timely signal to lead the industry to a new historical height.

Policies focus on demand-driven technological innovations.

In recent years, China's new energy bus industry has witnessed a robust growth thanks to the governments' favorable policies. With the gradually diminishing subsidies, especially after the new subsidizing policy on new energy vehicles released on December 30, 2016, how to ensure the sound and sustainable development has become a pressing issue for all enterprises involved in this field.

"The new policy has further upped the threshold for those new energy vehicles which are entitled for subsidies. More

emphasis has been put on vehicle's safety standards, reliability and energy efficiency. The subsidizing process is also shifting from the purchasing stage to the operation stage with the final goal that the subsidies to be reduced to zero when bus operators introduce new vehicles. In addition, much higher standards are required now for the battery's life expectancy and power density, which are in line with the rising demand for the economy and versatility of new energy vehicles", says Dr. Wu Zhongyi from the Research Institute of the Ministry of Transport. Against the backdrop of "Internet +", developing intelligent V2X has become the consensus of the global automotive industry.

Yutong seeks new technological breakthroughs.

Apparently, the development of new energy bus industry should be based on the market and technological innovation. As the bellwether in the industry, Yutong has been constantly increasing its investment in developing new technologies and seeking new technological breakthroughs. With more tailor-made high-quality products and upgraded overall public transportation solutions, Yutong is set to further pushing



forward the sound and sustainable development of China's new energy bus industry.

According to Zhou Bao, Senior Product Manager of Yutong, the newly upgraded ReCtrl system is rolled out in line with National Electric Bus Safety Requirements --- Yutong 3S Safety Standards. Realizing "3S + Safety Upgrading", the new generation ReCtrl system further ensures the smooth operation of new energy buses through a number of means, such as closer monitoring, fire prevention, water-proof measures, electrification prevention and anti-collision measures. In addition, batteries mounted on Yutong new energy buses now boast higher power density and improve its adaptability while working in areas with high altitude. As for the hybrid buses, the new ReCtrl system can help the vehicles improve fuel

efficiency by 60% thanks to the improvement of its body structure and the development of special engines. What's more, the new system is better prepared for working in those areas with high altitude or extremely low temperatures.

Yutong maps the future for new energy buses.

Speaking on intelligent V2X development, Song Tianfeng, a bus expert, points out that the transformation of the transport industry heavily relies on the improved intelligence of vehicles and the development of V2X technologies. Electric buses are only the first step before improving their intelligence and realizing V2X.

Yutong firmly believes that future new energy buses should fully integrate intelligent technologies, V2X technologies and electric technologies. Thus, they are able to realize information exchange and sharing, intelligent control and planning in sophisticated situations, as well as safer, greener and more comfortable operation.

Wang Jianjun, Marketing Director of Yutong reveals that the bus maker has already set up V2X Research Center and made a host of adjustments to its corporate organization. In doing so, it aims to better meet the market demands and help customers solve their pressing problems. Yutong Buseye Pro, which is an integrated alarming system for accident, collision, deviation and speeding, will be applied on all Yutong new energy buses within this year.



Yutong buses serve the NPC and CPPCC Sessions for 13 consecutive years



The NPC and CPPCC sessions 2017 are scheduled to kick off in Beijing on Mar. 5 and Mar. 3 respectively. As an experienced carrier serving at the two high-profile events for thirteen consecutive years, Yutong sends its most popular products T7 and E10 as the leading carriers for service this year.

For any bus makers, being able to serve at the annual NPC and CPPCC sessions is not only a great honor, but a precious opportunity to enhance their brand image in the global market. For the past thirteen years, Yutong has never been absent from the two major political events in China. With the zero-fault record, Yutong buses and coaches have also won wide recognition thanks to its high reliability and unparalleled services.

Recently, Yutong bus fleet has already finished a

comprehensive check-up, making sure that each and every vehicle in the fleet will deliver smooth and comfortable services for all delegates attending the two events.

After the first entry of new energy buses at the NPC and CPPCC sessions 2016, Yutong E10 was again chosen as the carrier for this year's service. Along with the constantly improving manufacturing technologies, new energy buses serving at China's NPC and CPPCC sessions are expected to become the "new normal".

Yutong T7, another rising star in China's bus market, has already gained a firm foothold in the international market, fully representing China's highest manufacturing technologies of business reception vehicle. Having successfully passed a series of stringent tests under extreme temperature and working conditions, Yutong T7 has already appeared at a host

of high-profile events, such as 2016 NPC and CPPCC sessions, Bo'ao Asia Forum, G20 Hangzhou Summit.

In 2016, China's new energy vehicle industry witnessed a fast growing momentum. For two consecutive years, both the production and sales volume of new energy vehicles in China ranked the first place in the global market. As a bellwether in the industry, Yutong has made a number of technological breakthroughs, taking the industry to a new historical height.

In 2016, Yutong sold 26,856 units new energy buses and launched H8 plug-in hybrid city buses and its third generation fuel cell buses. More significantly, Yutong new energy buses made its appearance at Havana International Trade Fair in Cuba, making a big splash in the global bus market.



Yutong 18m double energy powered trolleys put into operation in Shanghai

40 units Yutong 18-meter double energy powered trolleys ZK5180A and 28 units 12-meter double energy powered trolleys ZK5120C officially went into operation on the bus route No. 71 in Shanghai in February, 2017. With a brand new appearance, the trolleys have immediately won the popularity among Shanghai citizens, bringing people more travel conveniences. With a distance of 17.5 kilometers, No.71 bus route in Shanghai has 25 stations between Shenkun Road and Yan'an East Road. As a major bus route on the trunk lines in the city, it is the first Medium-Capacity Transit System in the city.

With “whole-distance line + sectional line” operation mode, the 18-meter ZK5180A (with 35 passenger seats and a maximum loading capacity of 150 passenger) is chiefly responsible for the whole-distance line operation while the 12-meter ZK5120C is in charge of the sectional line operation.



With their low-floor access, passengers can directly board the vehicle from bus station platforms without any efforts to climb on the bus. Moreover, wheelchair area has been assigned to provide travel convenience for those physically challenged passengers. Outside the vehicle, an emergency



door control device is made to help passengers get off the vehicle in emergent situations. One big highlight of the trolleys is their double energy power system. Yutong ZK5180A and ZK5120C, they both could be powered by battery units and electricity through pantograph.

Thanks to the special bus lane, the average operation speed has increased from 13 kilometers / hour to 15 kilometers / hour, according to the data collected during the trial operation period. Thus, the round-trip operation time has been reduced from 85 minutes to 75 minutes. What's more, the bus route No.71 witnessed 4,000 passengers / hour in recent operations.



It is expected to see a passenger flow of 6,000 every hour. In sharp contrast, the regular bus route usually has a passenger flow of 1,500 every hour. With its much increased passenger flow, bus route No.71 has significantly eased the traffic pressure in Shanghai's public transport system.

According to some official from Shanghai Public Transport Bureau, the city is planning to build three 18-meter double energy powered trolley bus operation lines, shouldering public transportation tasks on the main traffic routes in Shanghai and building some model public transport lines in China.

Medium-Capacity Transit System, a new public transport concept, has been gaining popularity in recent years. Different from rail public transport and regular buses with small loading capacity, Medium-Capacity Transit System is usually able to transport 5,000-30,000 people per hour in one direction. BRT, trolleys and trolleybuses usually fall into this category.

In June 2016, the first BRT route from Nanqiao, Fengxian District to Oriental Sports Center started construction. It is scheduled to open in December this year. After its operation, the travel time between the two places will be reduced to just 45 minutes.

Tang Yuxiang: running Yutong is like running marathon

Tang Yuxiang, President of Yutong Group and a deputy to National People's Congress (NPC) took an interview with People's Daily Online on March 13, pointing out that Yutong will continue to adhere to technological innovation and promote industrial upgrading and sound and sustainable development of China's bus manufacturing industry.

The prosperity of China cannot be achieved without the robust growth of the real economy. A strong and well-renowned brand plays a significant role in strengthening a country's overall competitiveness. The key to revitalizing the real economy is through innovation and a number of internationally competitive brands.

When asked about Yutong's development mode abroad, Tang could not contain his excitement and introduced the company's Cuban Business Expansion Mode to the journalist. In 2005, Yutong exported the first batch of 12 units buses to Cuba. To ensure the smooth operation of its vehicles, a team of eight technicians was sent there. Thanks to its excellent after-sales services and highly reliable bus products, Yutong soon gained a solid foothold in Cuba. In 2010 when the country held a big celebration to mark the 50th anniversary of its founding, a song whose lyrics goes like "I am from Cuba and I love Yutong buses" was very popular among many people. Nowadays, Yutong buses account for over 90% of all buses in Cuba, fully demonstrating its popularity among Cuban people.

According to 2017 Government Work Report, more emphasis will be put on promoting the supply-side structural reform,



eliminating ineffective supply and increasing effective supply. "We (Yutong) has been devoted to such a reform in its daily operation, further strengthening our overall competitiveness in the global market", says Tang.

Yutong Technical Center consists of over 3,500 engineers. Each year, the bus maker invests billions of RMB in R&D. In 2015, Yutong T7 officially made its debut in the domestic market, successfully breaking the monopoly of some foreign brands and making a big splash in the high-end business vehicle market.

At the end of the interview, Tang says "running Yutong is like running marathon. Only a spirit of perseverance and determination can prevail and with such a spirit, Yutong is set to realizing continued and sustainable growth."



Yutong airfield buses and T7 high-end business vehicles delivered to Tibet Airlines



A batch of Yutong ZK6140BD airfield buses and T7 high-end business vehicles were officially delivered to Tibet Airlines at Chengdu Shuangliu International Airport on February 9, 2017. After the delivery, Yutong will send a team of experts and engineers to offer professional training programs to all drivers.

As a special vehicle for airfield transportation, ZK6140BD has won the certificate from Civil Aviation Administration of China (CAAC). Boasting international competitiveness in quality standards and vehicle design, ZK6140BD is equipped with a monocoque body structure and a high horsepower engine, and thus it delivers reliable and powerful performances.

Yutong T7 high-end business vehicle was officially launched in 2015 after over a decade's hard work in research and design. Having raised the bar of China's high-end business vehicle manufacturing technologies to a new historical height, Yutong T7 has been gaining rising popularity among governments, enterprises and bus operators. In 2016 alone, it appeared at a number of high-profile events, including the annual NPC and CPPCC sessions, Bo'ao Asia Forum, G20 Hangzhou Summit, etc.



Yutong launches new vehicles release conference in Qatar



Yutong successfully held a new vehicles release conference in Doha, capital city of Qatar on January 11, 2017. Totally four products, namely ZK6122H9, ZK6118HGA, ZK6858H9 and ZK6729D were launched on the conference.

About 200 customers attended the event. The Chinese ambassador to Qatar, board chairman and top management of Jaidah Motors, as well as representatives from Yutong jointly



unveiled the new products. The customers on site showed great interests on the four products, and boarded the vehicles to take a close look.

More than a dozen mainstream media like Local Gulf Times, Al Raya, Peninsula, Al Arab and so on were present at the scene and covered this event. Yutong's brand popularity and influence will be further enhanced by holding such activities.

11 شركات

الاقتصادي

العدد 10463 | الثلاثاء 28 ربيع الآخر 1438 هـ | 24 يناير 2017 م



المجموعة مع ماليتها بالسوق المحلية



المجموعة مع ماليتها بالسوق المحلية

«الجيدة» تعزز علاقاتها بكبرى الشركات الصينية

«الميسان للمعدات الثقيلة» تدشن حافلات «يوتنج»

دشنت شركة الميسان للمعدات الثقيلة، الشركة التابعة لمجموعة شركات الجيدة العقربية والرائدة في قطر، صناعة الحافلات «يوتنج» باعتبارها الوكيل الحصري لها في قطر، ما يعزز مكانتها كجزء من مجموعة الجيدة.



أيمن أحمد: رئيس شركة الميسان للمعدات الثقيلة، الشركة التابعة لمجموعة شركات الجيدة العقربية والرائدة في قطر، ما يعزز مكانتها كجزء من مجموعة الجيدة.



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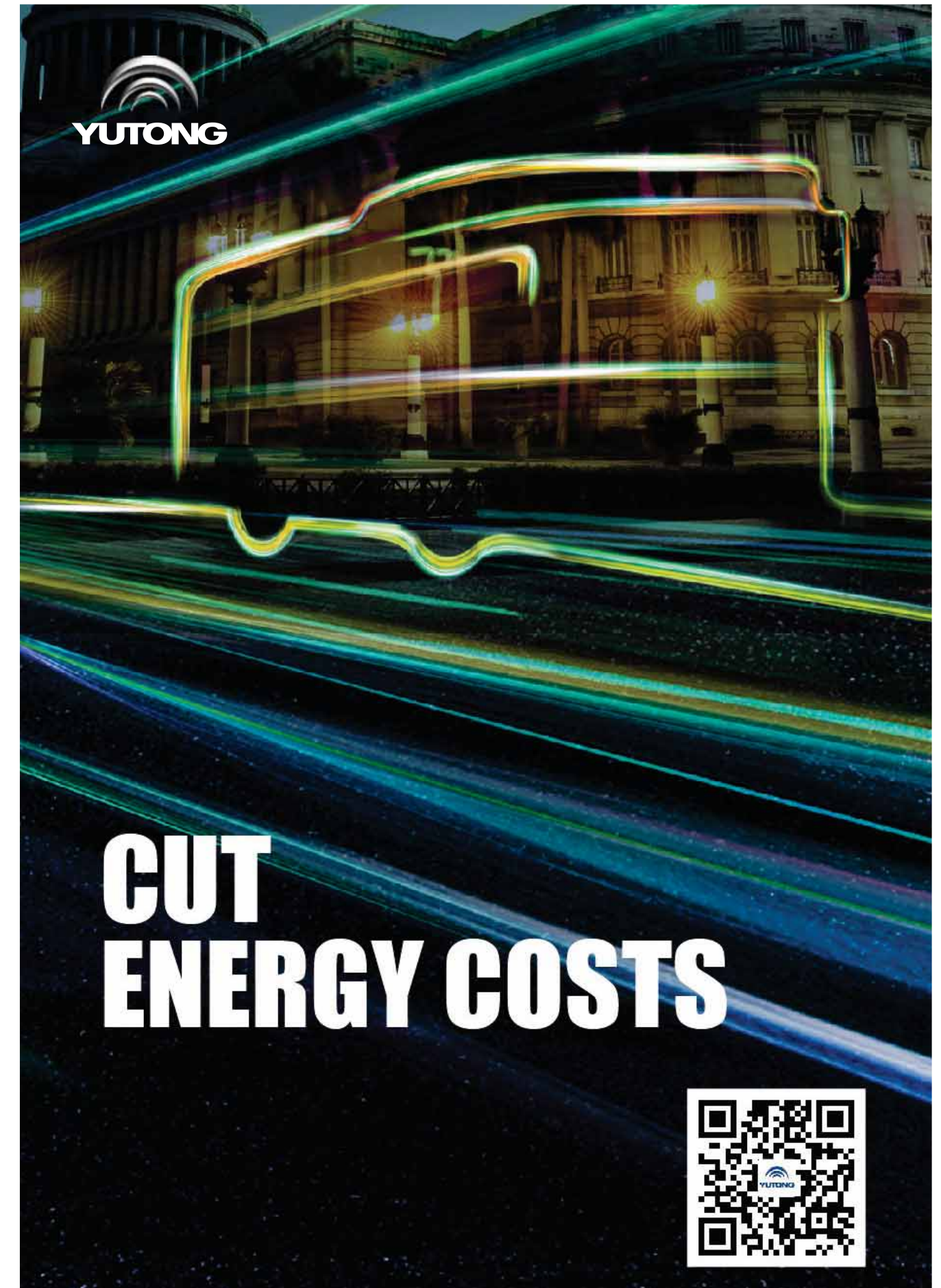
Coverage of Al Arab newspaper

مركز خدمة
شركة الميسان
يقع بشوارع
36 بالمنطقة
الصناعية

مصنع حافلات
يوتنج هو الأكبر
على الإطلاق
بالصين



**REDUCE
AIR POLLUTION**



**CUT
ENERGY COSTS**

