

# Electric Vehicle Solar Charging Station Installed in Yangpu

By Zhang Weiwei

Simple, convenient, and small in size, the most favorable solar panel energy station made its debut in the transportation demonstration area of the Wujiaochang commercial center in Yangpu district as the first of its kind in the city. It avoids the problems of the scarcity of land in the urban area and the complicated procedures and high cost of connecting to the grid that general energy stations face.

This new energy station with an area of 400 sq meters is located at the south of the transportation hub at the intersection of Yinxing Road and Songhu Road and next to the No.2 Exit of metro line 10. Inside a rain shelter on which the solar panel was installed, the station offers electricity charging to electric vehicles with battery at a similar power as regular charging station where one full charge lasts 3.5 hours. Our reporter noticed that the station complements the new energy vehicle leasing at specific time period program by integrating the innovative technologies in photovoltaic panel, electricity storage and charging station to provide service to the vehicles. According to the head of Kuku Company, the owner of the program

and station, the station has a capacity of 10,000 kilowatt and can generate 40 kWh for 10 vehicles to charge at the same time. Foreseeing the shortage of supply when the facility runs at full capacity for a long time, the company has prepared an emergency plan of supplying power pack and upgrading technologies in self-discharge distributed photovoltaic panel and excess electricity contributing to the grid to meet the greater demand for the clean energy.

As the first of its kind in Shanghai, the station was built to support the electric vehicles leased in the program. At present, the transportation hub has contained bus stations, Metro line 10, P+R parking lot, bicycle for public leasing, non-motor vehicles parking space and electric vehicle leasing spot, which offers a variety of mobility options for citizens.

The station will be promoted by the district in newly built public parking lot and parking program off rush hours according to how well the first one operates and the market responds. The district aims to offer an approach for new energy vehicle and zero carbon emission by tapping the potential of the energy storage and generating of photovoltaic panel.



## Some Transportation Law Violations be Handled Online

By Zheng Xiaomeng

Drivers usually have to wait in line to pay for their fine because the number of tickets issued has surged as stricter control has been imposed on transportation. The “123123”APP run by the Department of Public Security of the People’s Republic of China and the Shanghai public transportation management platform (<http://sh.122.gov.cn>) have offered service to handle fine that is below 2 points and 200 RMB. Drivers do not

have to wait in front of the office for these violations.

The reporter saw at the Yangpu transportation branch violation handling office that the line was more than 50 meters long and was getting longer. According to the police Xu Bingxia, it takes them 1 minute to handle a violation of a simpler nature and 4 to 5 minutes for a more complicated one. They have to work a heavy load of dealing with 500 to 600 drivers every day and the drivers suffer from the

long wait as well. Now, drivers can make things easy by register their vehicle and their driver license and license of the vehicle on the two platforms.

Up to three drivers can register with one vehicle on the platform to ensure the safety of the drivers. Apart from dealing with tickets, the platform also offers service in appointment for renewing drivers’ license, vehicle violation history enquiry and plate application.

## Automatic Electric Cleaning Truck Developed by Tongji

By Zonghe

The first automatic electric cleaning truck in China will start its trial operation in six months. The reporter from the Youth Daily was able to see this new equipment developed by the department of vehicle of Tongji University at the “Sharing the fruit of smart transportation while promoting science” 2016 Electric Vehicle Interval Leasing promotion event sponsored by Shanghai International Auto City (Group) with the leadership of municipal science commission.

The vehicle does not look differently from regular cleaning

trucks that have sweepers at its bottom. The reporter noticed that the driver’s seat and the seat beside it were still part of the automatic vehicle.

According to Wu Binbin from the department of vehicle of Tongji University, “The cleaning worker will have a good time and does not have to operate the vehicle, which can move and clean the streets by itself.” The vehicle consists of the environment sensing part, smart decision making part and the sweeping part.

“In the same way that we know the road situation by our eyes, the vehicle collects informa-

tion by radar and makes decision by its smart decision making system that is like its brain.” The ultrasound wave emitted by the vehicle can reach 3 meters in front and the millietric wave from its back can reach 50 meters so that it can avoid any obstacles or slow down if necessary.

The battery of this electric vehicle can support 100 kilometers when fully charged. Wu Binbin told us, “We’ve made three of these and they are being adjusted and will be launched on specific road in six months. Later, we will produce 30 and try them in Jiading and Pudong.”

## Wujiaochang Plaza to Be “A Public Living Room”

By Zhou Lin & Zhu Liangcheng

Located in the center of one of the major commercial centers in the city, Wujiaochang Plaza has always been hustling and bustling for more than ten years and its facilities could hardly live up to the diverse demands as the economy is growing. The district is upgrading and renovating the plaza to a higher level and make it a “public living room that never closes”.

On the afternoon of August 11, the reporters saw that the central area of the plaza has been enclosed for the construction workers to work. Pedestrians walked along the circular corridor around the enclosed area in an orderly fashion.

The plaza covers an area of more than 6000 sq meters and has operated since May 1, 2006. With the entry of Wanda Commercial Plaza, Bailian One More City, Dongfang Shopping Mall and Suning Flagship Store and the new Heshenghui Shopping Center at its fifth corner, Wujiaochang Plaza has become the hub of different treads of traffic and a landmark with impressive decoration installations in a shape of color egg on its top.

For years, everyone who is going to any of the five shopping centers and to take metro line 10 has to pass Wujiaochang Plaza. Its average daily traffic is 100,000 person-times. The highest daily traffic at the Heshenghui Shopping Center that opened at the beginning of this year has reached 80,000 person-time, 80% of which came from Wujiaochang Plaza. The changing urban space and

consumer behaviors along with the rising of e-commerce have posed a challenge and opportunity to this commercial center, requesting a more comprehensive function.

The head of Wujiaochang sub-district told us that, “This renovation will renew the commercial center’s image and upgrade its functions so that it will better support the research and innovation center nearby.” Wujiaochang plaza aims to become an “innovation magic place” and “incubator” for public entrepreneurship and mass innovation as a “public living room that never closes”.

While preserving original concepts, the renovation of the plaza will take contemporary elements into consideration and include new functions as “transportation hub”, “demonstration area” and “incubator space”. It will serve as both the “transportation main hall” of the commercial center and the spot for district culture promotion and commercial center service. In addition to the change in layout, fountains, green space and new materials, the plaza will also be equipped with traffic warning system, smart transportation touch screen and self-help public utility bill paying platform, which should be anticipated by all.

Our reporters learned that the renovation will undergo several stages and be completed by the end of October while part of the plaza is still in use. Signs on the ground are used to guide the traffic inside the circular corridor and security has been tightened at the entrance of each shopping center for public safety.