



TSUJIPLASTICS CO.,LTD.  
JAPAN

## Company Profile

Name in Full : Tsujiplastics Co.,Ltd.  
Establishment : Oct 30, 1988  
Capital : 10,000,000yen  
President : Kiyotsugu Tsuji  
Employees 35

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## Providing Services

We have three business divisions. One of them, the SA Division, develops and manufactures products using solar power generation. Technologies and innovations used to improve road safety and rural living and agricultural yields through the use of solar energy in developing countries.



In developing countries, agriculture plays a crucial role in ensuring food security and in the economic growth. The employment in agriculture is declining due to the crisis and food insecurity. In disaster area, poverty, hunger and food insecurity increased due to insufficient production. Agricultural management and production support by reducing fuel costs with our solar pumps. We will fight against poverty by increasing income and employment through agricultural support.



Roughly 1 billion people – or about 13 percent of the world's population – live without electricity. In Africa, today, one in three people don't have access to electricity, often having to resort to using kerosene or spending hours in darkness. Almost 87% of those without electricity live in rural areas. Our charger can supply electricity to rechargeable lanterns, mobile phones, etc. simply by connecting them directly from the PV module. This device does not use the battery, so it requires almost no maintenance.



The road infrastructure development has led to increased vehicle speeds and traffic accidents. The safety measures, especially at night when serious accidents likely to happen, are the must. Solar Road Studs are very effective for nighttime traffic safety measures. "Solar Road Studs" means the studs for roads which flash automatically in the dark, charging electricity by solar panel and battery. In this tiny box, all the whole system is built in to guide drivers to the safe way back home during the night.

## Project Achievement / Technical Expertise

Our strongest selling point is the power system through use of solar energy. We have achieved the long life and maintenance free for our products, without battery.



A pilot project was conducted in Senegal in March 2020. At the request of the locals, the products to be introduced in 2021 have already arrived. Also in Niger, international students who have undergone technology transfer will start a dissemination project in January 2021.



The products introduced in 2019 in Uganda are operating smoothly without maintenance. In November 2020, the business started in Senegal and Niger. We will respond to introduction requests from clinics and schools.



In 2018 Tanzania, the products introduced are helping traffic safety at night. In 2019, a new product for Africa with abundant sunlight was announced.

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