

# CraftStrom Technical Assistance Request

## Request 1 – Smart Meter Data

Our solution is based not only on hardware development, but more crucially on the software component. Our automated battery App uses individual user's production and storage data, combines it with usage data from either smart meters or IoT devices, as well as power contract prices and optimizes the household's energy bill. We have started work with Texas Smart Meters and can now access Texan users' smart meter data in our App. Not all States, however, make it this easy to gain access to consumption data with users' permission. We, therefore, need to keep working closely with AHJs in all States.

## Request 2 – IoT Metering And Control

Smart meters will provide us with accurate, daily total power usage data. However, in cases of high load appliances, it will be beneficial to understand required loads for certain appliances and usage schedules from the user, in order to offer better services.

Hence, we would appreciate contact to

- IoT device OEMs for
  - Small, outlet-metering devices
  - Smart appliances, such as Wifi-enabled washing machines, ovens, etc.
  - Adoption rates of IoT devices, to better understand in which fields users are most likely to adopt smart devices and power regulation.

## Request 3 – Safety Device Testing

We are in contact with some public utility commissions, grid owners and utilities, in order to present our newly developed safety devices. Being able to test and show the test results will be essential in opening up the US market for us.

## Request 5 - Logistics

Logistics of batteries in our size is a challenge. Typically, it requires hazardous goods transportation, which is very costly. Gaining access to a reputable logistics company with an established network might help us reduce those prices and devise a solution that will allow for the safe transportation of larger batteries. It has come to our attention that DHL is cooperating with one startup to provide safe logistics.

## Request 6 – Production in the USA

Currently, almost all production with regards to our type of solar panels is located in Asia, including US companies. This is because they produce based on a different premise, namely selling as many as possible. As we can better gauge interest in the market and will sell exclusively, we would like to set up production in the USA. North Carolina has shown to be a promising state and we are in talks to produce in Vance County.

## Request 7 – Battery Cell Recycling Process

An essential part of providing renewable tech is also ensuring to customers that their efforts are not in vein, by causing more pollution. It is in our interest, from a personal and professional viewpoint, that we can offer customers to exchange battery cells with recycled ones and still be profitable. Any help in understanding how the recycling process works, the costs and recycling efficiency rates would already be of help.