

# Naturanix Co., Ltd.



- ❑ Address: Sumida-ku, Tokyo
- ❑ Employees: 5
- ❑ Established in 2015
- ❑ Business: Development and sales of electric parts for e-mobility

<https://naturanix.co.jp/>

## Outline of the demonstration project

- Development & demonstration of a data platform for next-generation rapid charging system that enables electric motorcycles to be charged within a few minutes in Bangkok, Thailand.

## Cooperation with local companies/governments

- Local Partner: Jowit Global Co., Ltd.
- Details of cooperation and collaboration: Local support, development partner

<https://specifisupport.com/soutien/soutien07.html>



Owner of charging station can check the payment and power consumption data



Step 1:  
Read the QR code of the charging station



Step 2:  
Select the payment



Cooperating company is Jowit Global Co., Ltd.(make the cloud system)



Step 3:  
Unlock the charging station



Step 4:  
Charge your e-mobility in less than a few minutes!!

## Targeted economic/social issues

- The number of registered motorcycles in Bangkok exceeds 20 million for a total population of about 68 million, and the percentage of households owning motorcycles is the highest in the world in 2019.
- There is an urgent need to electrify motorcycles in order to reduce CO2 emissions.

## Details of demonstration

- From April 2022, we will demonstrate the reduction of charging time for electric motorcycles using our battery packs and charging stations that can be fully charged in a few minutes, which we have started demonstrating in Sumida-ku, Tokyo.
- By managing the charging reservations at charging stations in the cloud, the power required for charging is stored in the batteries at the charging station in advance, reducing the load on the wiring network. We aim to promote the electric motorcycle infrastructure business.

## Expected outcome of beneficiary effects

- Spread of electric motorcycles in ASEAN countries, enabling the calculation of the amount of CO2 reduction.
- Equalization of the power load on the grid due to the high power consumption of quick-charging stations.
- Promotion of the spread of electric motorcycles even in areas where electricity is unstable without a power distribution network.