

[Aquaculture] Umitron K.K.



<https://umitron.com/en/index.html>

- ❑ Address: Minato-ku, Tokyo
- ❑ Number of employees:28
- ❑ Established in 2016
- ❑ Business: Production, development, and provision of IoT equipment and software services for aquaculture

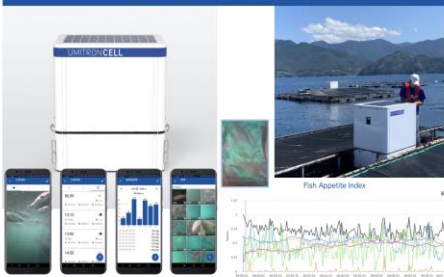
Outline of the demonstration project

- Development project of data platform for shrimp farming in ASEAN region by using IoT/AI technologies

Cooperation with local companies/governments

- Local partners:
Charoen Pokphand Foods co., Ltd. (Agriculture & food)
Also plans to cooperate with the Department of Fisheries (DOF) of the Ministry of Agricultural Cooperatives

Install IoT/AI technologies for marine aquaculture and optimize feeding strategies



Apply to land-based vannamee shrimp farmings in Thailand



Targeted economic/social issues and solutions

- Thailand, one of the forerunners facing social issues, has to address challenges including the declining birthrate and aging population, the need for improved labor productivity, strengthening the industrial base in regions, eliminating economic disparities between rural and urban areas, and promoting SDGs.
- Develop and deploy the world's first technology for automated analysis of shrimps in ponds using IoT/AI for shrimp farming, a key industry in Thailand.
- Aim to contribute to SDGs by improving shrimp farmer's productivity, conserving natural environments, and securing working environments where DX has been slow.