

Project Title: IoT Open Innovation Platform

Project Leader: Boon Choong Foo, MIMOS

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Budget: USD 79,568

Duration: April, 2016 – March 2019

Target of this project: Complete the following: 1) IoT Open Innovation Platform, 2) Sensory and gateway systems for POC, 3) POC project in Aquaponics and supporting Peat Forest project and 4) Establishment of the ASEAN IVO IOT HUB.

Findings and Outcomes:

- 1) Release IoT Open Innovation Platform software.
- 2) Platform training to partners.
- 3) Protocols and wireless networks for sensory and gateways demonstrated in the lab.
- 4) POC systems were identified.
- 5) ASEAN IVO IoT HUB established.

Collaborations:

IoT software platform: MIMOS
Wireless sensory network and protocols: HUST, NICT
POC solutions and planning: MIMOS, HUST, VNU, I2R.

Broader Impact and Future Developments: The provision of an open innovation platform enables the usage by research institutes, academic and commercial entities in ASEAN, especially in countries where project funding is an issue and the purchasing capacity is limited compared to countries outside the ASEAN region.

Social Contribution: 2 patents pending filing. 1 patent filed. Platform is used to educate trainees in training sessions at MIMOS. Small POC projects in aquaculture and agriculture are using the platform for dashboard and data collections.