



# **NB-IoT** Introduction to Devices & IoT Platform

**Sirikanya Jongjaroenpornchai**  
Engineering Specialist

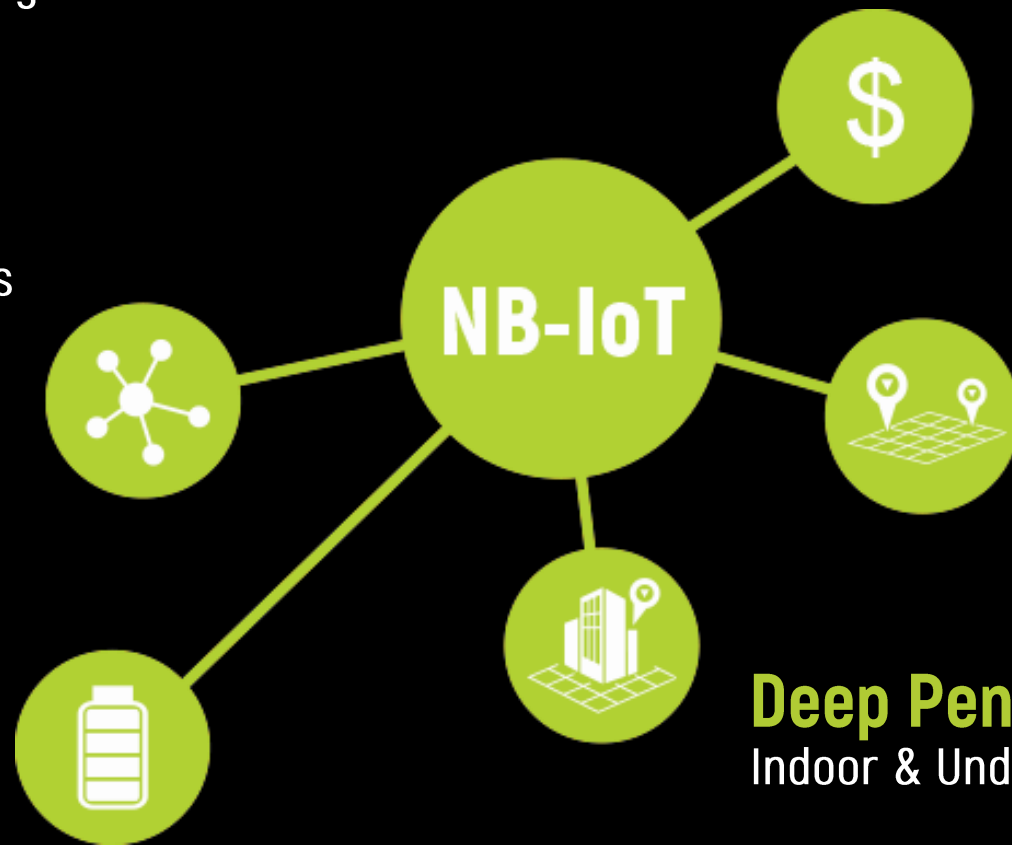


# Southeast Asia's First Live NB-IoT Network

Narrow Band Internet-of-Things

Billions of Connections  
**100K** per Cell

Low power operation  
**10+ Years**  
Battery life



**Low Cost**  
Devices

Integrates into Cellular System  
**Easy Deployment**

**Deep Penetration**  
Indoor & Underground



**AIS**

# **NB-IoT**

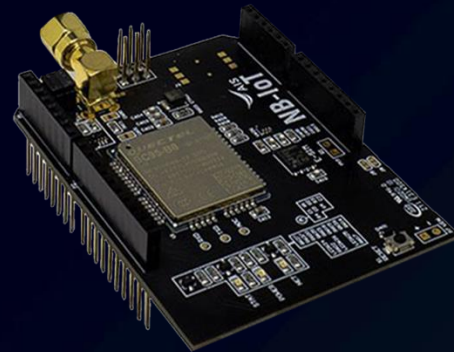
**The first nationwide commercial  
IoT Service in Thailand**



# Hardware for IoT Development

 AIS  
**NB-IoT**  
**DEVIO Series**  
Jump start your IoT

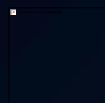
## DEVIO NB-SHIELD I



- ▶ Arduino Uno Pinout
- ▶ Serial Communication



- ▶ AIS Library for Developers



- ▶ Embedded SIM
- ▶ Tiny Scale / Compact Design

## DEVIO NB-XBEE I



- ▶ Compact footprint design
- ▶ XBee compatible

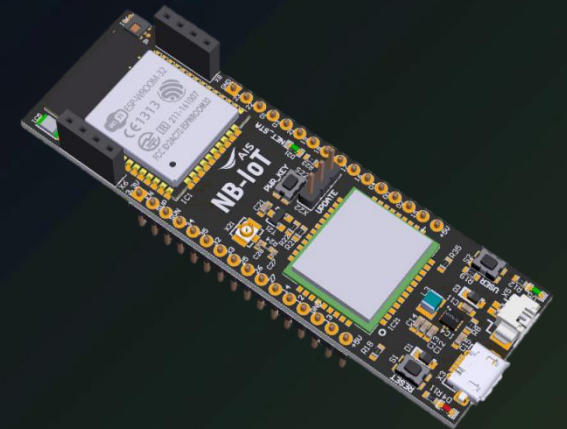


- ▶ AIS Library for Developers



- ▶ Embedded SIM
- ▶ Tiny Scale / Compact Design

## DEVIO NB-DEVKIT I



- ▶ MCU Embedded
- ▶ Arduino Compactible
- ▶ Sensor On-boards



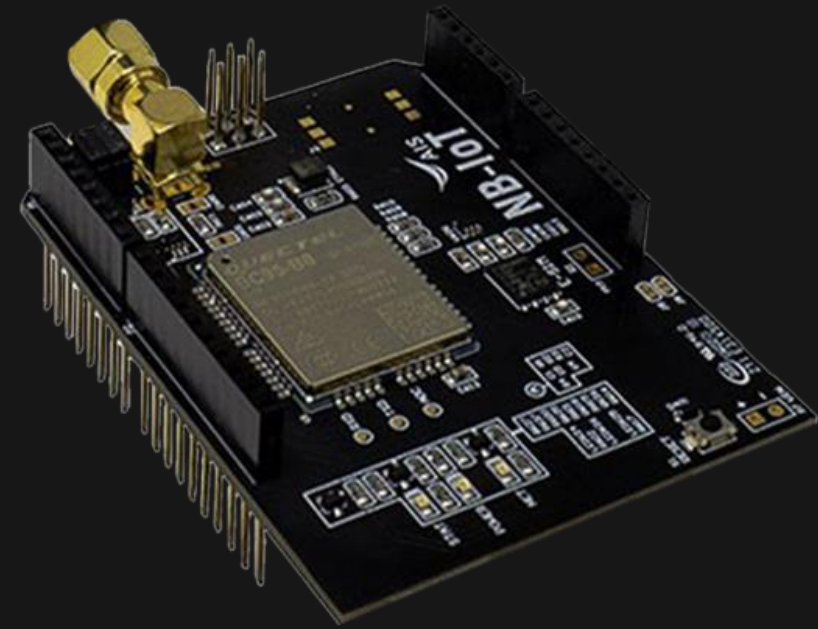
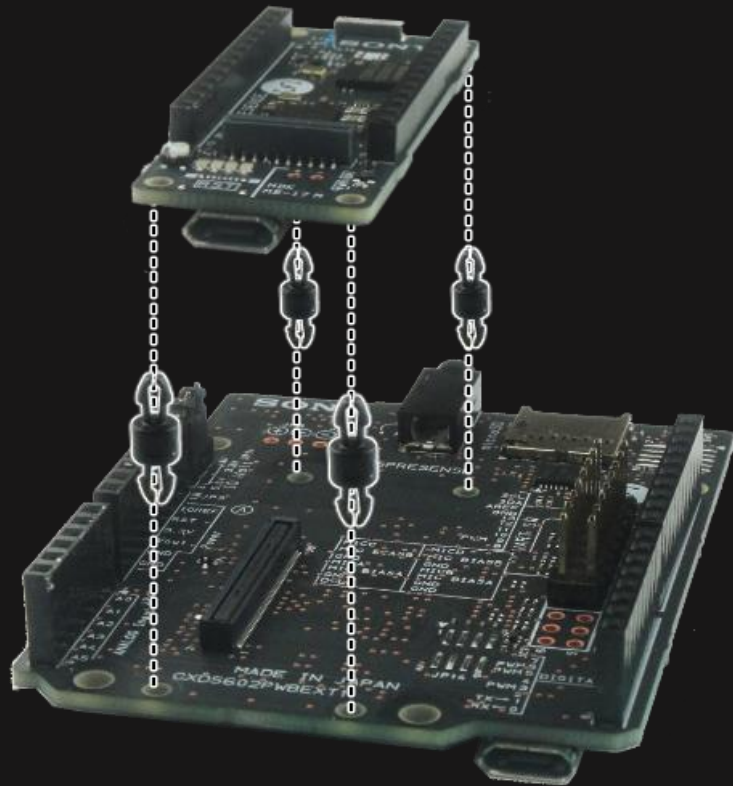
- ▶ AIS Library for Developers



- ▶ Embedded SIM
- ▶ Tiny Scale / Compact Design

# Sony Spresense board & NB-SHIELD I

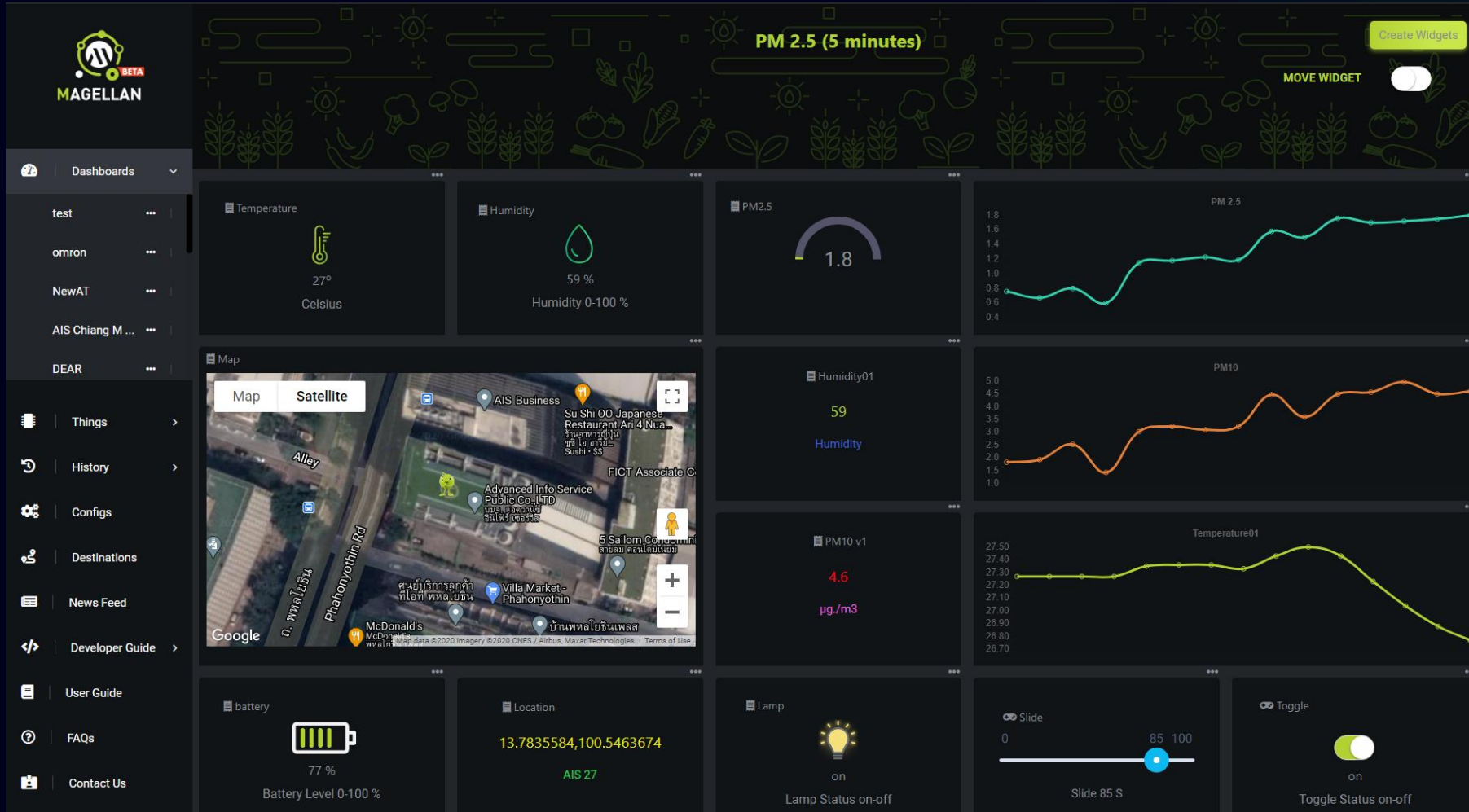
---



Arduino Uno compatible pin sockets

# Magellan

## [AIS IoT Platform]



## Feature

- Device Management
- Data Transport Security
- Pluggable Protocol Description
  - CoAP, MQTT
- Customizable Dashboard
- API Management for 3<sup>th</sup> Party

A hand is shown interacting with a transparent digital interface. The interface displays a 3D structure of five cubes connected by lines, with a hand reaching in to touch one of them. To the left, another part of the interface shows various icons like a globe, a bar chart, and a document. The background is dark with a greenish tint.

# Getting Start **DEVELOPMENT**