

hIoTTron Custom IOT Solution Development

[Make your device smart, yet not expensive]



CONTENT OVERVIEW

1. Who we are?
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ABOUT US

hIOTron is the leading custom IOT solution provider in APAC [Asia-Pacific] region which provide ready to market IOT enabled products in shortest period of time with 100% customer satisfaction.

We are IOT experts providing End-To-End IOT solutions that improve processes, differentiate products and services, and create new revenue streams.

Currently, Very Few companies have in-house skills and tools to build IOT solutions quickly and cost-effectively whereas our in-house development team is very much expertise in all the major vertical of IOT technology such as custom pcb design/hardware development, embedded software development, device-cloud/network integration, communication/web protocols & IT experts, front-end/mobile app or web-App development & big-data analyst.

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✓ Connectivity: Wi-Fi, ZigBee (Star/Mesh), LORAWAN, Z-wave, sub-1, BLE 4.0, IR, NFC, RFID

✓ Semiconductor: Freescale, Marvell, Atmel, TI, Microchip & Many more

✓ Communication Channel: Wi-Fi, Ethernet, GSM/GPRS, GNSS, LTE.

✓ Cloud Platforms: AWS, IBM Blue-mix Watson, xively, Thing-Worx, hIoTTron & Private.

✓ Communication & Queuing Protocols: MQTT, REST, Web-sockets, COAP, XMPP, AMQP

✓ Databases: Cassandra, MongoDB, Raven DB, MySQL, Oracle, MS-SQL

✓ Mobile: Android, iOS, Windows 10

✓ Standards: OPENIoT, HomeKit, Thread, Nest, Alljoyn, Brillo & Weave

We have covered more than 7 major industrial IOT Domain

We have covered

8

IOT Applications

Delivered over

8150

Internet Connected
Devices

Of which

84%

Are Live

In

26

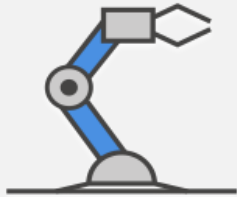
Cities

Across

4

Countries

1



Energy & Industrial

Zig-Bee based Smart energy & power management solution

2



Automobile

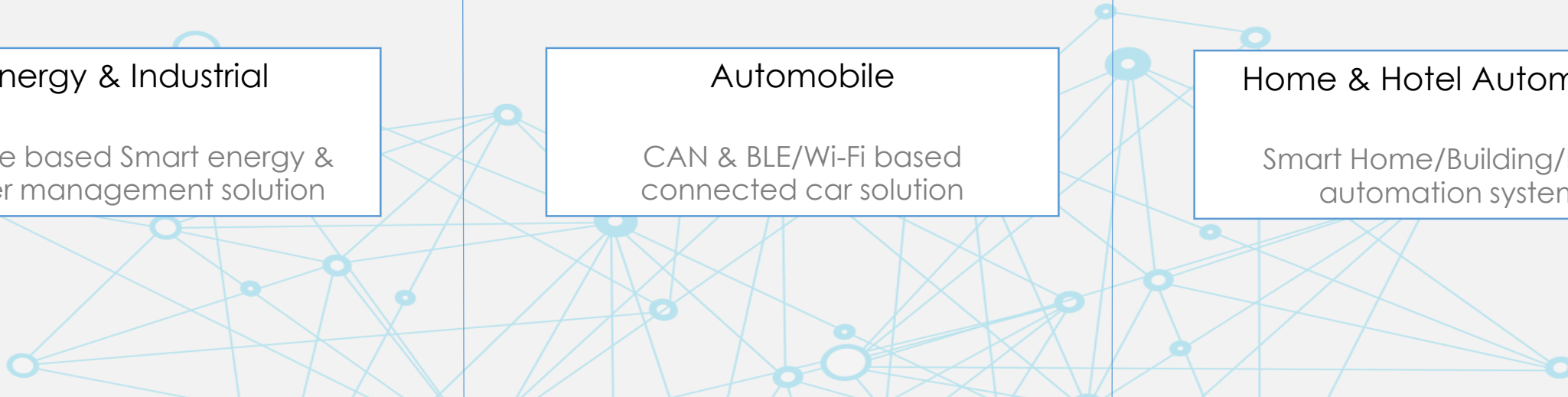
CAN & BLE/Wi-Fi based connected car solution

3



Home & Hotel Automation

Smart Home/Building/Hotel automation system



4



Healthcare

BLE enabled WSN system
[Wireless sensor body network]

5



Retail & Consumer

Keypad, BLE 4.0 & Wi-Fi based
smart locks

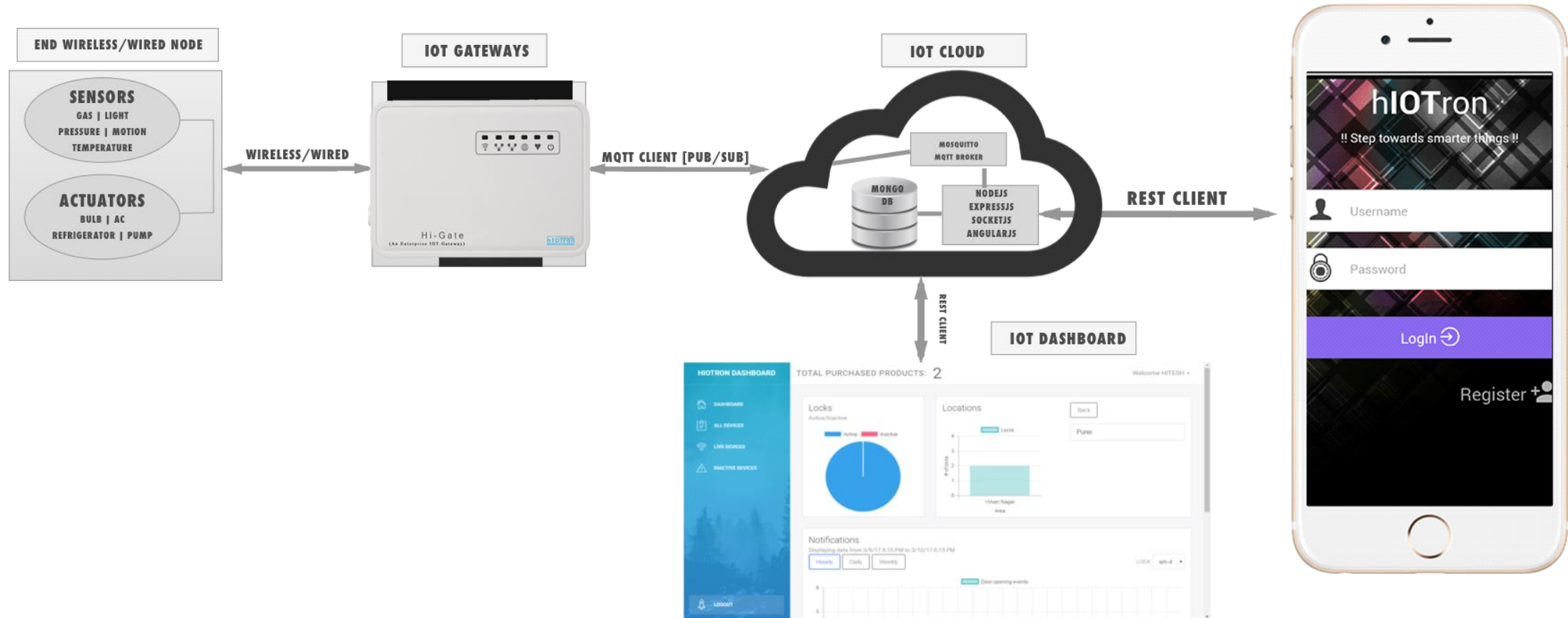
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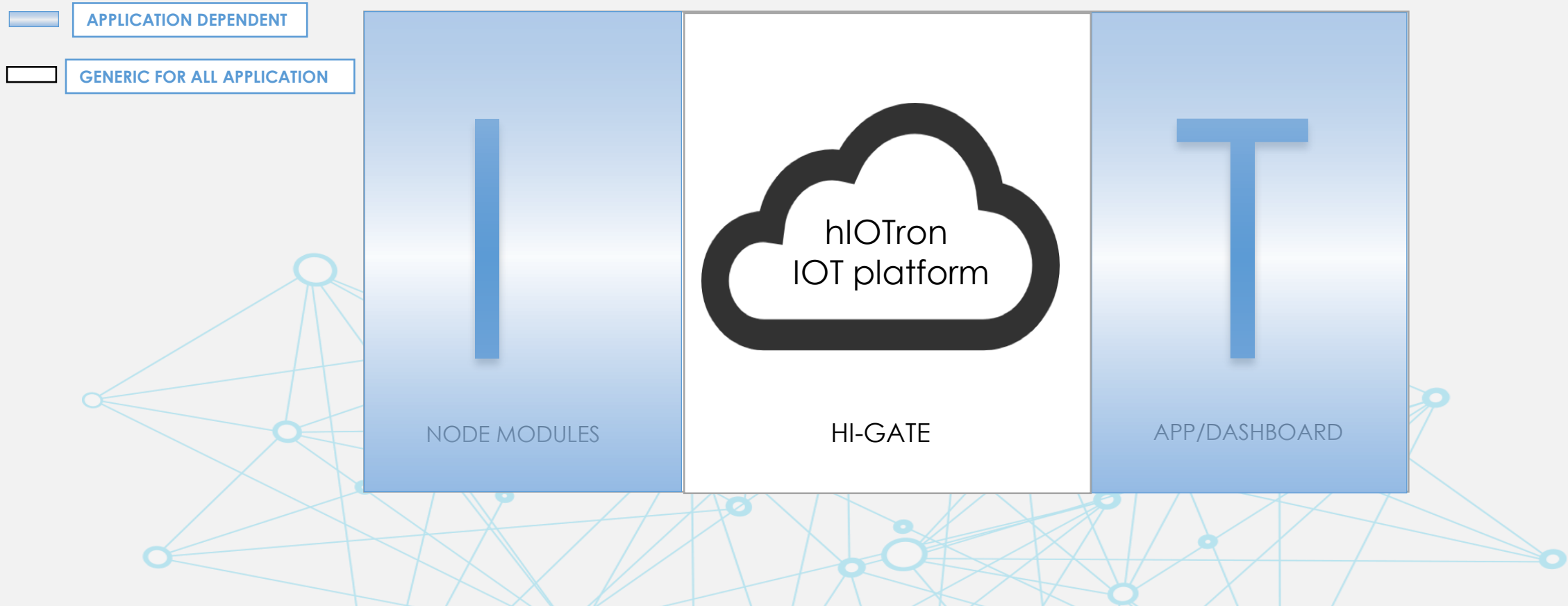
Agriculture Application

LORA & Zig-bee based fish pond
monitoring system

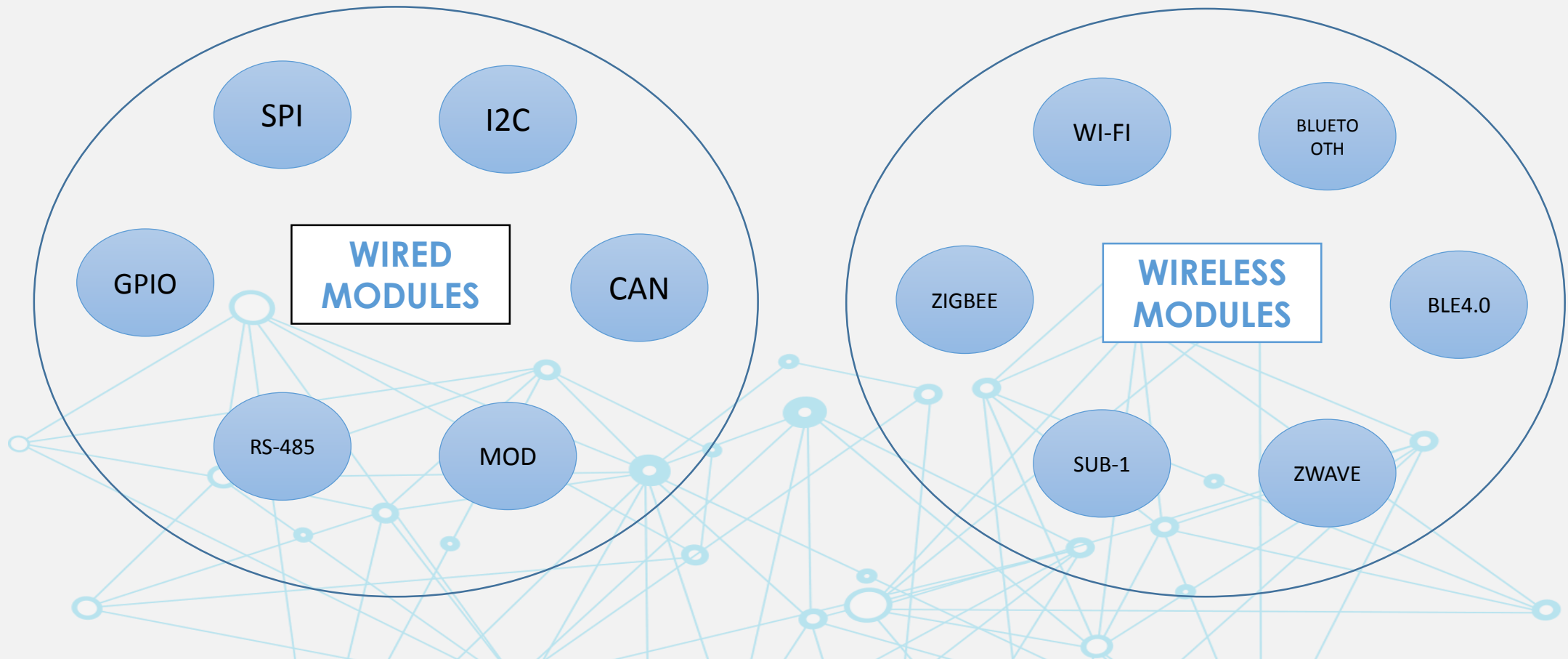
hIOTron generic solution Architecture



Our solution comprised of



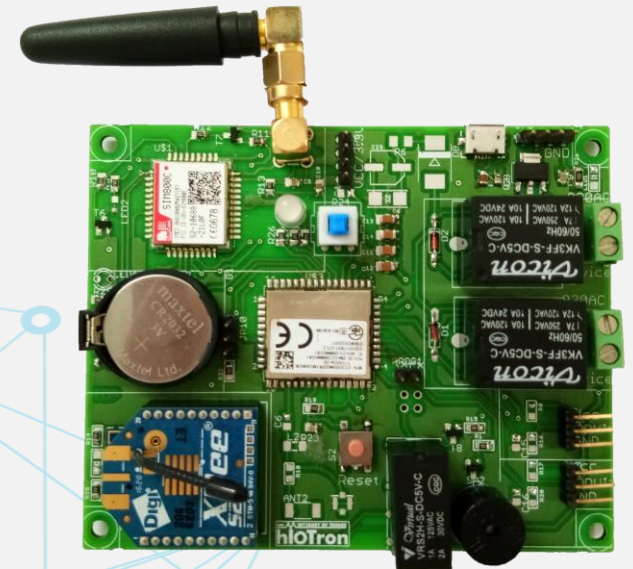
1. Custom End Node Modules Development



2. Customization of Hi-Gate [An Enterprise & Modular IOT Gateway]

What is Hi-Gate?

Hi-Gate is an Enterprise & Modular IOT gateway which translates any RF Protocol to MQTT/REST Protocol having more than 5 RF communication protocols on-board with other peripherals to leverage full stack IOT solution with the help of hiOTron IOT device management platform [HIDMP].



Zig-Bee & BLE 4.0 Communication
Protocols



EEPROM,RTC & Relay On-Board
Peripherals



Wi-Fi & GSM/GPRS Mode of
Internet connectivity



Easy configuration with any wireless
sensor node through platform



Easy to customize sensor &
actuator based IOT application



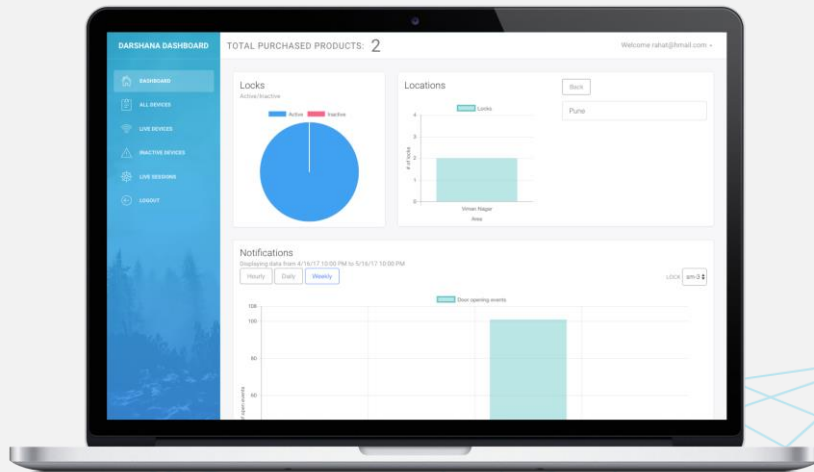
Supports SSL/TLS to connect to
server as a secure device client



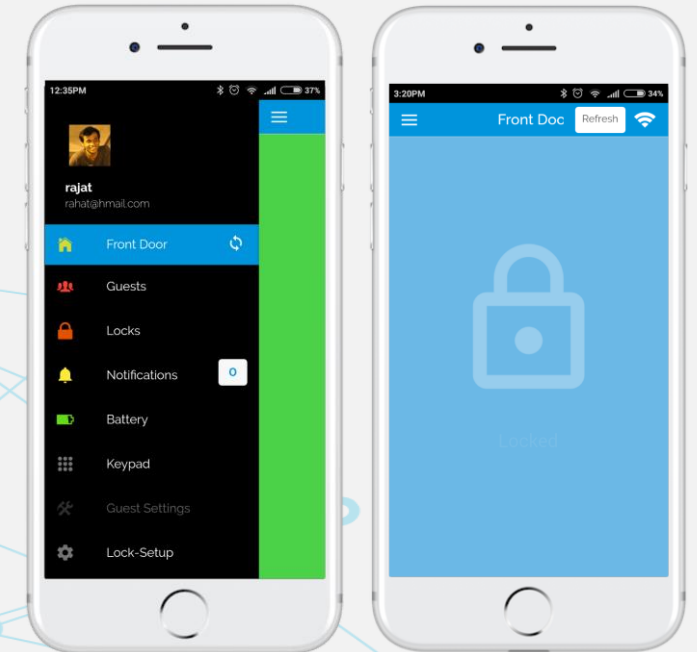
Hi-Gate [IOT Features]



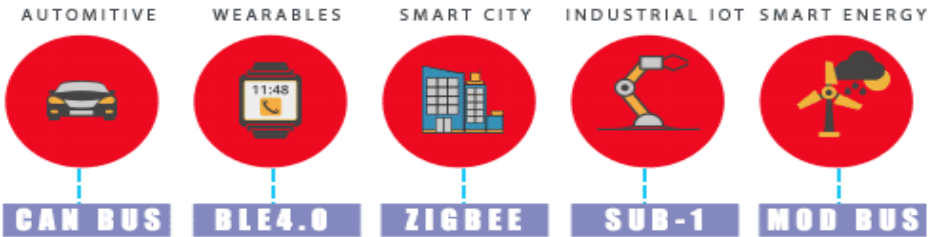
3. Mobile App/Dashboard



1. Android/iOS/Windows Native & Hybrid App Development
2. BLE/Wi-Fi native plugin development [Mobile-Device Local communication]
3. Angular/Node CMS Web-APP/Dashboard development



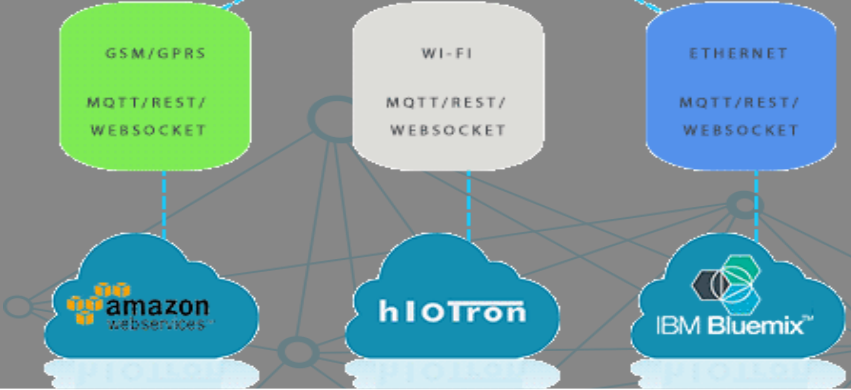
Internet of Things



1

2

3



hIOTron End-To-End IOT platform provides you an easy way of Integration between Any End node modules & mobile App/Dashboard through Hi-Gate [IOT Gateway]





Why hIOTron

1. Customized IOT solution Development
2. Handled thousands of devices and scales elastically
3. Straightforward hardware & Software integration procedure
4. Reduces time to market from months to weeks
5. 100% support from solution conceptualization to final product launch
6. Minimizes the cost and risk of Application
7. Dedicated Team of Core Hardware, Network and Software developers
8. Both community and commercial support
9. Easily tailored for any business applications

How to Start ?

Are you looking for this solution or have any IOT project/Idea or want us to lay out your existing IOT project into 3 simple steps solution ?

[Click here to talk our IOT expert if you have any doubt or concern regarding anything.](#)

