

A nighttime cityscape featuring a prominent bridge with a large, illuminated red 'GiGA' sign. The scene is filled with light trails from traffic and city lights, creating a sense of motion and energy. The sky is dark with some stars visible.

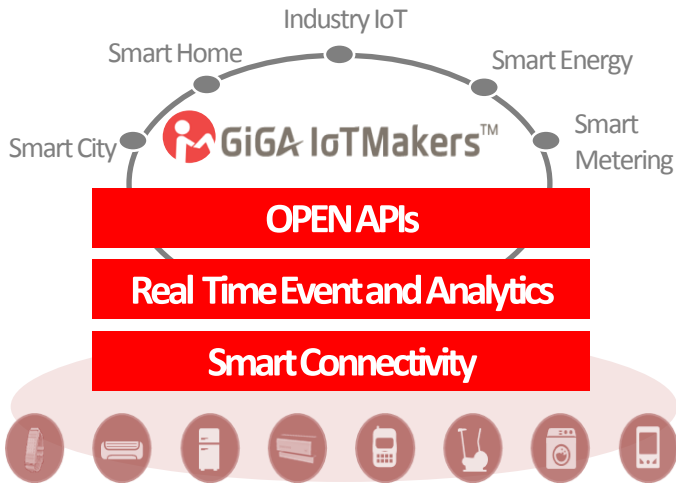
# GiGA IoT Makers

Global Business Group | 2016



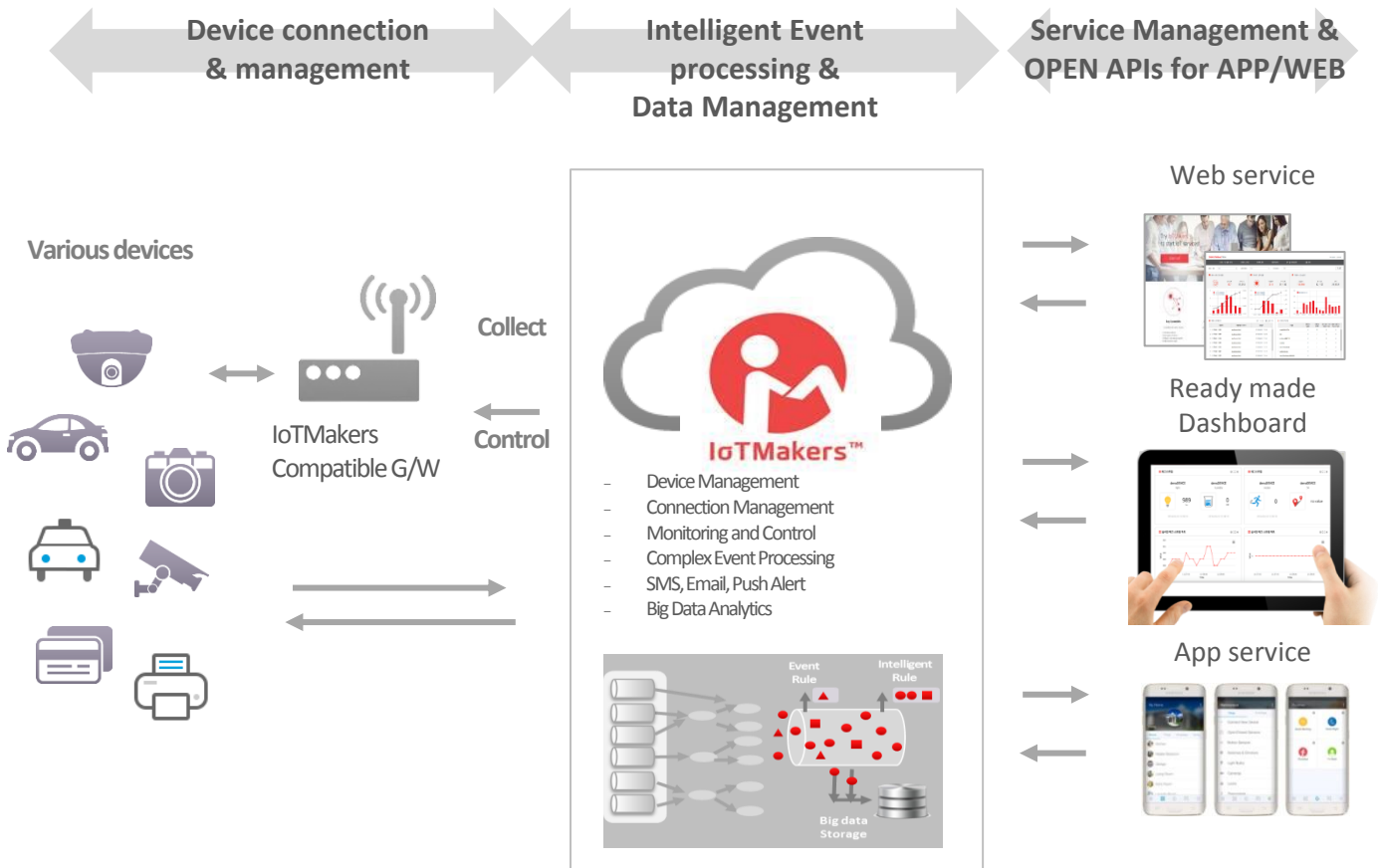
# What is GiGA IoTMakers

IoT service enabler platform providing essential functions to enable IoT services



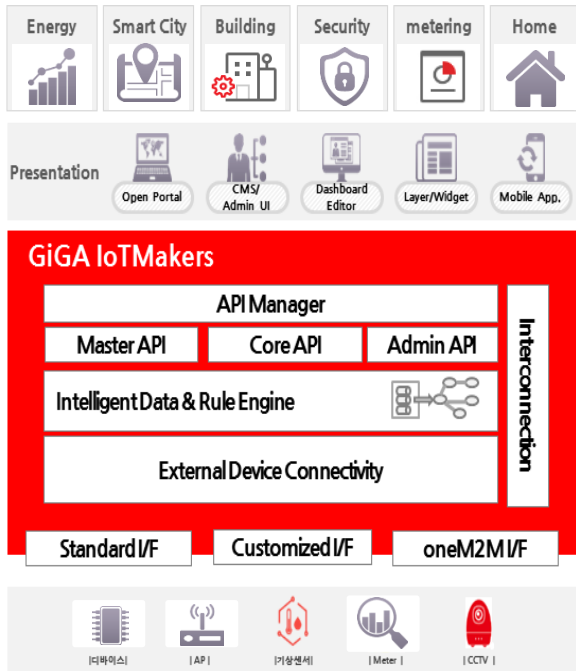
- Help service operators to focus on business itself than technical considerations for IoT service
- Delivers reliable and stable IoT service based on KT's ICT capabilities: wireless/wired, M2M, cloud, and Big data

## Enabling the Internet of Things



# Main Features

Consists of three layers: open API layer, core layer, and external connection layer



## Service implementation

- Web Application based on customers' requirement
- Customization for each industry and customers
- Basic monitoring and service widget/dashboard(open)

## Open API Layer

- Restful OPEN APIs for Service Web/App development
- Interface to collect & control of device data
- Interface to use core platform resources

## Core Layer

- Real-time event analysis and processing
- Save & Monitor the collected data
- Stable distributed processing for bulk data

## External Connection Layer

- Standard Interface for diverse device connection
- Customized non-standard adapter for customers' device
- C, Java, Arduino SDK(SW Development Kit) (Open)

➔ Functions can be selectively implemented

# IoT Makers Manager (Service Management sys.)

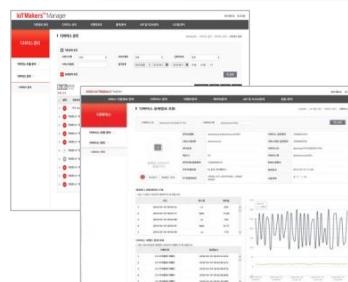
## Main Dashboard



### Total Service Monitoring

- Status of subscribed users
- Device registration and connection status
- Event status
- Location info. of device/event

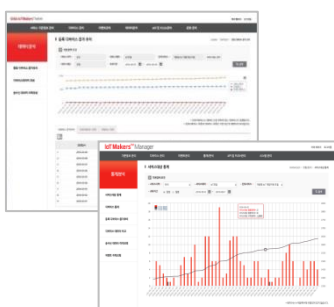
## Device Mgmt. & Status Monitoring



### Total Device Monitoring

- Monitoring of connection status
- Record mgmt. . for received data and event by device
- Device FOTA mgmt.
- Mgmt. of availability of device

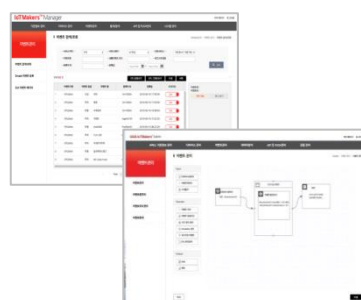
## Statistics/Analytics of Service and Device



### Reporting of Service User and Device

- User subscription trend by service
- Registered device trend
- Analysis/comparison of device data
- Retrieve of record for data transmitted/received by device

## Intelligent Event Management



### Setting & Monitoring of Intelligent Event

- Provides an engine for intelligent and convergent events
- Easy event generation through Drag & Drop or web forms
- Retrieve events by service and device

# What We Offer

## On-Premise Model

- Designated platform for customer (customer side or IDC)



## Cloud Model

- Utilize KT Cloud Infra.
- Monthly payment



## Partnership Model

- Interworking with KT Home IoT
- Convergence service with KT devices



# References



# IoT Makers benefits

**Flexible Architecture**

- Prompt extension of new service and device
- Integration capability with the existing legacy system

**Operation Stability**

- Guaranteed platform performance & reliability proven by references
- Stable service operation and management efficiency

**New technology & Big data analysis**

- Scalable platform architecture by integrating latest open source
- Massive data analysis and usage with Big Data solution

**Network Connectivity & Cloud**

- Supports devices on both fixed, mobile network (3G, LTE, LTE-M) and plan to support NB-IoT and 5G in the near future
- Provides scalable and cost-effective architecture via cloud infra

Thank you



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