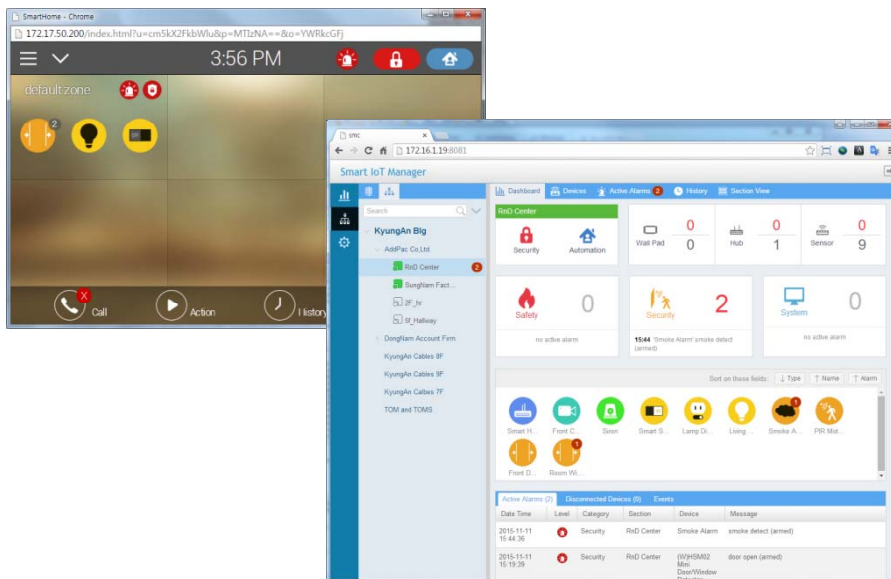


# Smart IoT Web Manager



# AddPac

## AddPac Technology

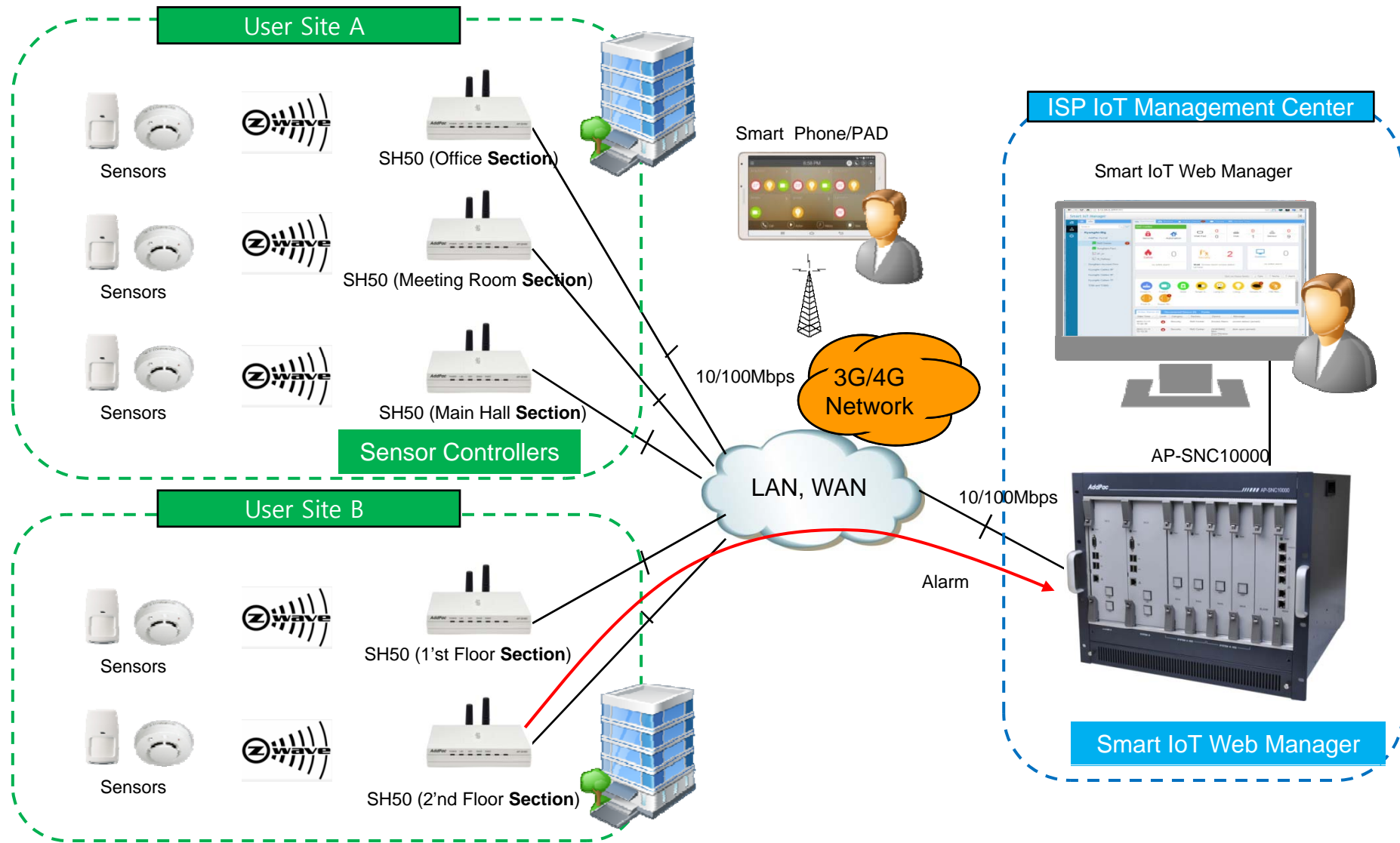
2015, Sales and Marketing

[www.addpac.com](http://www.addpac.com)

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# Smart IoT Web Manager Service Diagram





# Overview

# Key Concepts for Enterprise IoT Solution

- **Enterprise Requirements**

- The things in enterprise are controlled on much more complex environment and configurations than home.
- Network conditions and management requirements are also much more various than home.

- **Our Solution**

- We do support flexible configuration of Sensor Controllers and Managers to meet various enterprise requirements.
- We do support several type of Sensor Controllers and Managers to meet various enterprise environments.
- We do support flexible management authority and access control for center/site operators and users.

# Sensor Controller and Manager Role

- **Smart Sensor Controller**
  - It controls his section composed by several sensors.
  - It provides his own smart phone app interface, PC web interface and Wall Pad interface to show sensor status and to control the sensors.
  - It provides discovering sensor for inclusion and configure it.
  - This Sensor Hub integrated with Controller provides robust on network and server fault.
- **Smart IoT Manager**
  - It monitors controller and sensor status for continuous service.
  - It monitors alarm status of section and device by categorizing to safety alarm, security alarm, and system alarm.
  - It controls multiple sections by task with immediately or schedule downloaded to controllers. (TBD.)

# Hierarchical Administrative Domains

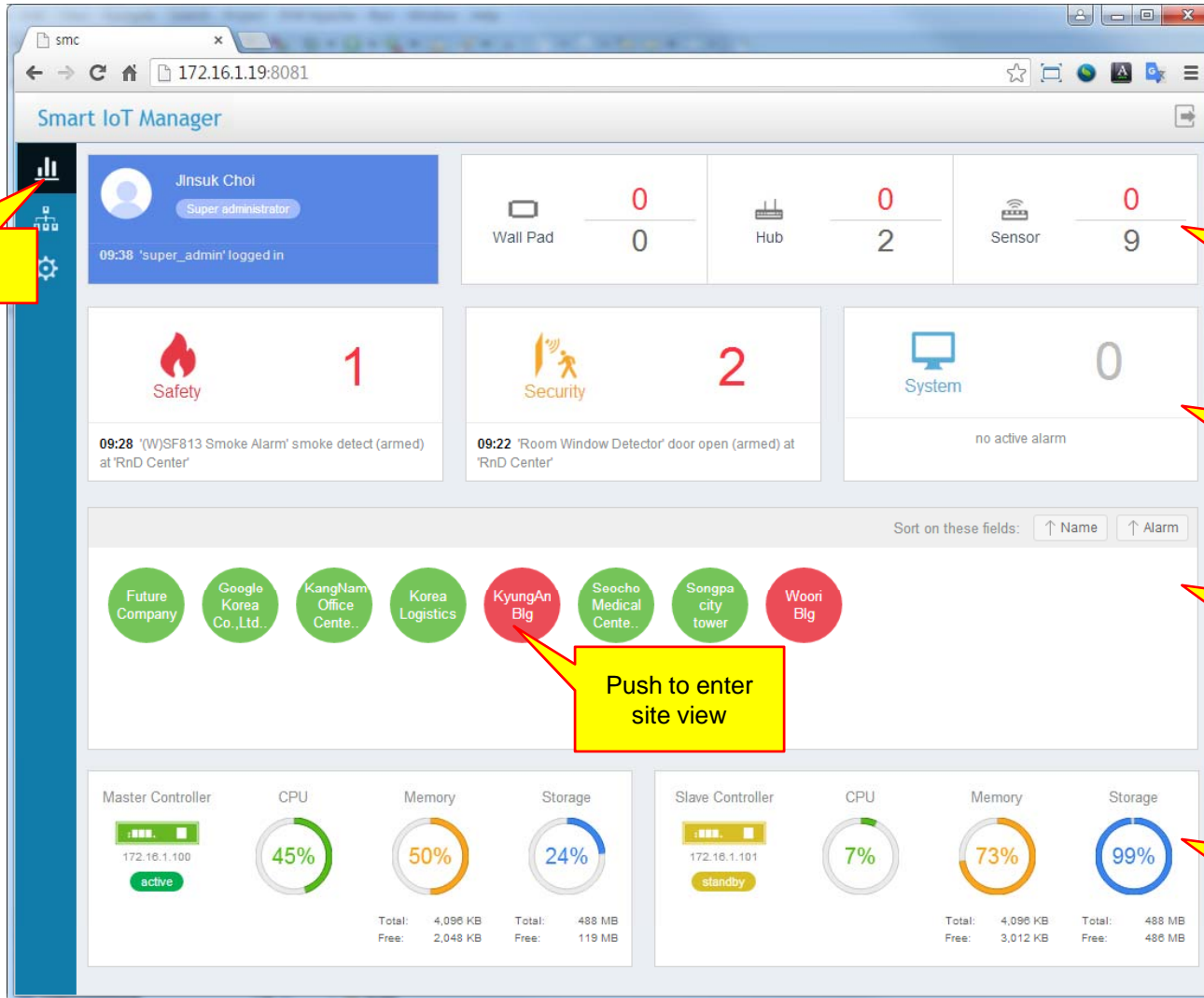
- **Super Administrator**
  - He can manage multiple sites and site operators.
- **Site Operator**
  - A site is logically independent administrative domain which can be a building or a set of offices and buildings.
  - A site is composed by multiple sections build up hierarchically.
  - A site operator can manage all sections in his site.
- **Group Operator**
  - A group operator can view and control his sections in a group.
- **User**
  - An user can view and control his section by Wall Pad, PC web and smart phone app.



# Manager Web UI



# Global Dashboard



Select Global Dashboard

Shows number of abnormal categorized devices

Shows number of active categorized alarms

Shows alarm status of managed sites

Push to enter site view

Shows manager system status

# Site Dashboard

The screenshot shows the Smart IoT Manager interface. On the left, a sidebar lists sections under 'KyungAn Blg', including 'RnD Center' (with a red notification badge), 'SungNam Fact...', '2F\_hr', and '5f\_Hallway'. The main dashboard area displays a user profile for 'Jinsuk Choi', a summary of abnormal categorized devices (Wall Pad: 0, Hub: 2, Sensor: 9), and active categorized alarms (Safety: 1, Security: 1, System: 0). A table at the bottom shows active alarms with columns for Date Time, Level, Category, Section, Device, and Message.

**Select Site View**

**Section Group**

**Section**

**Shows number of abnormal categorized devices in this site**

**Shows number of active categorized alarms in this site**

**Shows alarm status of sections in this site**

**Shows active alarm list**

Date Time	Level	Category	Section	Device	Message
2015-11-12 09:28:33	High	Safety	RnD Center	(W)SF813 Smoke Alarm	smoke detect (armed)
2015-11-12 09:22:16	High	Security	RnD Center	Room Window Detector	door open (armed)

# Section List

Select sections tab

Shows sections in this site and its device, alarm and mode summary

Name	Group	Device			Alarm			Mode	
		Wall Pad	Hub	Sensor	Safety	Security	System	Security	Automation
1 2F_hr	AddPac Co.,Ltd.	-	-	-	-	-	-	🔒	🏠
2 5f_Hallway	AddPac Co.,Ltd.	-	-	-	-	-	-	🔒	✈️
3 RnD Center	AddPac Co.,Ltd.	-	0/1	0/9	-	2	-	🔒	🏠
4 SungNam Factory	AddPac Co.,Ltd.	-	0/1	-	-	-	-	🔒	🌙

Page 1 of 1 Total: 4

# Operator List

Smart IoT Manager

172.16.1.19:8081/index.html

Select operator tab

	Name	ID	Level	Access Group	Email
1	jhkwon	jhkwon	Site operator		
2	kyung an administrator	ka_admin	Site operator		ka@company.com
3	woori bld admin	woori_admin	Site operator		admin@woori.com
4	AddPac Admin.	addpac	Group operator	AddPac Co.,Ltd.	addpac@addpac.com

Shows site operators and group operators

# Section Dashboard

The screenshot displays the Smart IoT Manager interface. The left sidebar shows a tree view of sections under 'KyungAn Bldg', with 'RnD Center' selected. The main dashboard area features several summary cards for categorized devices and active alarms. A table at the bottom lists active alarms with columns for Date Time, Level, Category, Section, Device, and Message.

Date Time	Level	Category	Section	Device	Message
2015-11-12 09:28:33	High	Safety	RnD Center	(W)SF813 Smoke Alarm	smoke detect (armed)
2015-11-12 09:22:16	High	Security	RnD Center	Room Window Detector	door open (armed)

Select a section

Shows number of abnormal categorized devices in this section

Shows number of active categorized alarms in this section

Shows alarm status of devices in this site

Shows active alarm list

# Device List

The screenshot displays the Smart IoT Manager web interface. The browser address bar shows the URL `172.16.1.19:8081`. The main navigation bar includes 'Dashboard', 'Devices', 'Active Alarms' (with a red notification badge '2'), 'History', and 'Section View'. The 'Devices' tab is selected, and the 'Sensor' sub-tab is active. A search bar is located above the device list. The left sidebar shows a tree view of the organization structure, including 'KyungAn Blg' and 'RnD Center' (with a red notification badge '2').

The main content area displays a table of devices. The table has columns for Name, Model, IP address, Version, Sensor, Alarm, and Disconnecter. The data is organized under a 'RnD Center' folder, which contains a 'Smart Hub' and several sensors. The 'Smart Hub' is identified as 'SHD50\_G2' with IP '172.16.50.89:60225' and version '8.50.00T'. The sensors listed include 'Front Door Detector', 'Lamp Dimmer Module', 'Living Room Light', 'PIR Motion Sensor', 'Room Window Detector', 'Siren', 'Smart Switch', and 'Smoke Alarm'. The 'Room Window Detector' and 'Smoke Alarm' rows have a red notification badge '1' in the Alarm column.

Name	Model	IP address	Version	Sensor	Alarm	Disconnecter
RnD Center						
Smart Hub						
SHD50_G2		172.16.50.89:60225	8.50.00T	-	-	-
Front Door Detector	HSM02 Mini Do...			-	-	
Lamp Dimmer Module	45602 Lamp Di...			-	-	
Living Room Light	RGBW LED Bulb			-	-	
PIR Motion Sensor	Ecolink Z-Wave ...			-	-	
Room Window Detector	HSM02 Mini Do...			-	1	
Siren	SE812 Siren			-	-	
Smart Switch	12/22 Smart S...			-	-	
Smoke Alarm	SF813 Smoke ...			-	1	

At the bottom of the page, there is a pagination control showing 'Page 1 of 1' and a 'Total: 10' indicator.

# Active Alarms

Select active alarm tab

	Date Time	Level	Category	Section	Device	Message
1	2015-11-11 15:44:36	High	Security	RnD Center	Smoke Alarm	smoke detect (armed)
2	2015-11-11 15:19:39	High	Security	RnD Center	(W)HSM02 Mini Door/Window Detector	door open (armed)

Shows active alarms in this section.

This active alarm can be cleared by acknowledge it.

Page 1 of 1 | Total: 2

# Event History

Select history tab

	Date Time	Level	Category	Section	Device	Message	Cleared
1	2015-11-11 15:31:32	Security	RnD Center	Smoke Alarm	Smoke Alarm	alarm (smoke detect (armed)) occurred, id=29	-
2	2015-11-11 15:13:08	Security	RnD Center	(W)HSM02 Mini Door/Window Detector	(W)HSM02 Mini Door/Window Detector	alarm (door open (armed)) occurred, id=28	-
3	2015-11-11 15:08:03	Management	RnD Center			controller registration success, user_id=rnd_admin,ip=172.17.50.200,...	-
4	2015-11-11 14:56:52	Security	RnD Center	(W)HSM02 Mini Door/Window Detector	(W)HSM02 Mini Door/Window Detector	alarm (1699) cleared	system (2015-11-11 14:56:52)
5	2015-11-11 14:56:52	Security	RnD Center	(W)HSM02 Mini Door/Window Detector	(W)HSM02 Mini Door/Window Detector	alarm (1698) cleared	system (2015-11-11 14:56:52)
6	2015-11-11 14:53:20	Management	RnD Center			controller registration success, user_id=rnd_admin,ip=172.17.50.200,...	-
7	2015-11-11 14:27:38	Security	RnD Center	(W)HSM02 Mini Door/Window Detector	(W)HSM02 Mini Door/Window Detector	alarm (door open (armed)) occurred, id=27	-
8	2015-11-11 13:52:17	Management	RnD Center			controller registration success, user_id=rnd_admin,ip=172.17.50.200,...	-

Shows alarm history .



# Section View

Select section view

Shows sensor controller web page of this section

Date Time	Level	Category	Section	Device	Message
2015-11-11 15:44:36		Security	RnD Center	Smoke Alarm	smoke detect (armed)
2015-11-11 15:19:39		Security	RnD Center	(W)HSM02 Mini Door/Window Detector	door open (armed)



# Thank you!

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