## What is SMART HOME?

A smart home, or smart house, is a home that incorporates advanced automation systems to provide the inhabitants with sophisticated monitoring and control over the functions of various devices installed. For example a smart home may allow control of lighting, temperature, multi-media, security, window and door operations. Smart home also provide some energy efficiency savings with advanced security systems with cameras, motion sensors and a link to the local police station or a private security company.The list can go on.

## Why need a SMART HOME?

Today, we are living in a fast-paced and technology-laden world. Our homes are filled will all sort equipment, devices and sensors - some for convenience and entertainment while others for security and safety of the home environment.
For maximum efficiency, these gadgets must be able to work together and the user must have a way to effectively manage all controls and functionality of these devices, from the comfort of a single 'console'. Thanks to rapid advancements in technology, these household gadgets are getting get 'smarter' every day.

On another facet of live, modern-day jobs tend to keep us away from home more and more. Thanks to advancements in technology, home will never be that far away. Today, it is possible to keep in touch with home, even if one is on the other side of the globe.

## How to implement?

My**Smart**Home from Custommedia offers intelligent way of interconnecting various devices (smart and non-smart), sensors and web services. Implementation as a stand-alone platform or over local area network (LAN), the Internet and Cloud.

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**IoT-Middleware**

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## Contact us

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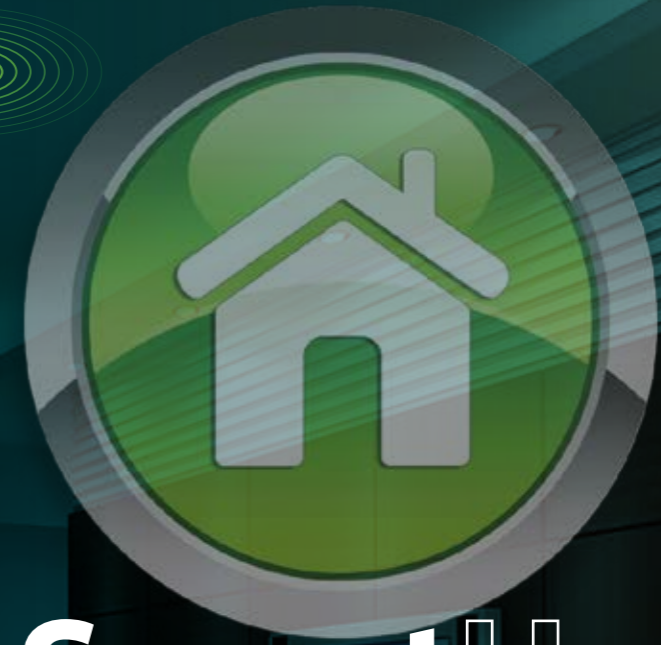Technology Park Malaysia, Bukit Jalil
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**TMMi CERTIFIED LEVEL 5**

**MSC MALAYSIA** Status Company

| QUALITY SYSTEM | STANDARDS QS-5212199 CB 01 | QUALITY SYSTEM | UKAS MANAGEMENT SYSTEMS | QUALITY SYSTEM | IQNet |
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| CERTIFIED TO ISO 9001 : 2015 CERT. NO. : QMS 00735 | | CERTIFIED TO ISO 9001 : 2015 CERT. NO. : QMS 00735 | | CERTIFIED TO ISO 9001 : 2015 CERT. NO. : QMS 00735 | |

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# My**Smart**Home
### Your Personalize-able Smart Home Enabler

## Add Intelligence to your home

✓ Enjoy the convenience of modern living with interconnected smart devices within your home
✓ Have a peace-of-mind on the safety and security inside and outside your home
✓ Be the first to know of any threat and/or potential threat even when you are away from home
✓ Get a real-time view of you home 'dashboard' as and when you wish to, wherever you are



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## Security / Safety

Monitoring Asset Movement

Monitor Intruder or unauthourized movement

Fire alarm and intrude alarm

Security access using Smart Card

Monitor Security Status

Baby Monitoring

## Energy Saver

Real Time Temprature and Humidity monitoring

Control eletricity using Yahoo Messanger

Controlling fan and air conidtioner

Water Leakage Monitoring

Power / Socket point detector

## MySmartHome
Your Personalize-able Smart Home Solution

## Entertainment

Auto MP3 Play List

Display Favorites Television Channel

Cinema Control Lighting

Cinema Mode Pause Button Monitoring

## Maintenance

Maintenance Monitoring

## Scheduler

Sent Groceries Item List

Sent notification using social media or e-mail

Extend Scenario or Device

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## Scenarios and descriptions

| Characteristics | Scenarios | Description |
|---|---|---|
| Security/Safety | Monitor intruder or unauthorized movement | System will monitor the situation using motion sensors. It will send alert or notification via social media or email and trigger intruder alarm if sensor detects a movement. |
| | Monitor security status | Users are able to monitor security status such as open door or window and could send an sintruction to the system to close door or window remotely via Yahoo Messenger (YM). |
| | Monitor asset movement | System will monitor valuable asset from home using RFID technology and send notification to user if asset is carried out without permission. |
| | Fire alarm system | System will monitor any fire or gas leak using sensor and will send notification to nearest fire department as well as the user. |
| | Security access using smart card | Door access control is using smart card. In absence of the card, user has option to open the door using YM. |
| | Children monitoring | System can monitor movements of children via RFID devices attached to the children and notify the parents should a 'trigger' is activated. This notification is useful for parent to monitor their children in or out from home. |
| Energy Saver | Real time temperature and humidity monitoring | User has 2 options to monitor temperature and humidity. First system sends notification to user when temperature or humidity reaches certain level. Second, user can request current temperature and humidity readings via YM. |
| | Controlling fan and air conditioning | User can control fan speed and air conditioning using YM. |
| | Control electrical switches | User can remotely switch on/off electrical appliances using YM. |
| | Water Leakage Monitoring | System will send notification to user if there is any non-stop water flow after certain period of time. |
| | Power/Socket Point detector | System will send notification to user if power trip occur at the main or power point switch. |
| Scheduler | Send daily access report using email. | System will send daily access report to user according to time set by user. |
| | Send Groceries Item List | User can receive groceries item list using 2 methods. First by scheduler that send list at certain period of time and second by request using YM. |
| Entertainment | Auto MP3 Playlist Play | User can set to play their favorites song and the system will play the song according to user setting. |
| | Display Favorite Television Channels | User can select their favorite's television channel and system will change the channel according to user setting. |
| | Cinema control lighting | System will dim the light according to cinema standard when user select movies channel or DVD. |
| | Pause button monitoring | System will increase the illumination of dim light when user push pause button when in cinema mode. |
| Maintenance | Maintenance monitoring | System will send maintenance notification if it detects any faulty condition in part(s) of the house or home appliances. System can also send out reminders for any scheduled maintenance. |

**Scenarios are modifiable and extensible. More devices and sensors can be added.**