Four Components of Temperature Monitoring

Data collection
- Sensors monitor temperature, humidity etc.
- Built-in communication device
- Easy-to-install and self-powered

Communications
- Sigfox connection (LPWA)
- Secure transmission of periodic data and alerts
- Geolocation of the device

Results & visualisation
- Data analyses
- Web reports
- Smartphone or tablet access

Data administration
- Connected device and data storage management
- Generation of alarms based on defined rule sets

Value Proposition

Based on an Employee wage of **RM 13.00/hr,** spends 1 hour a day on monitoring and recording data in a workplace.

Cost Savings per Year
RM 13.00 x 25(days) x 12(months)
= RM3,900.00

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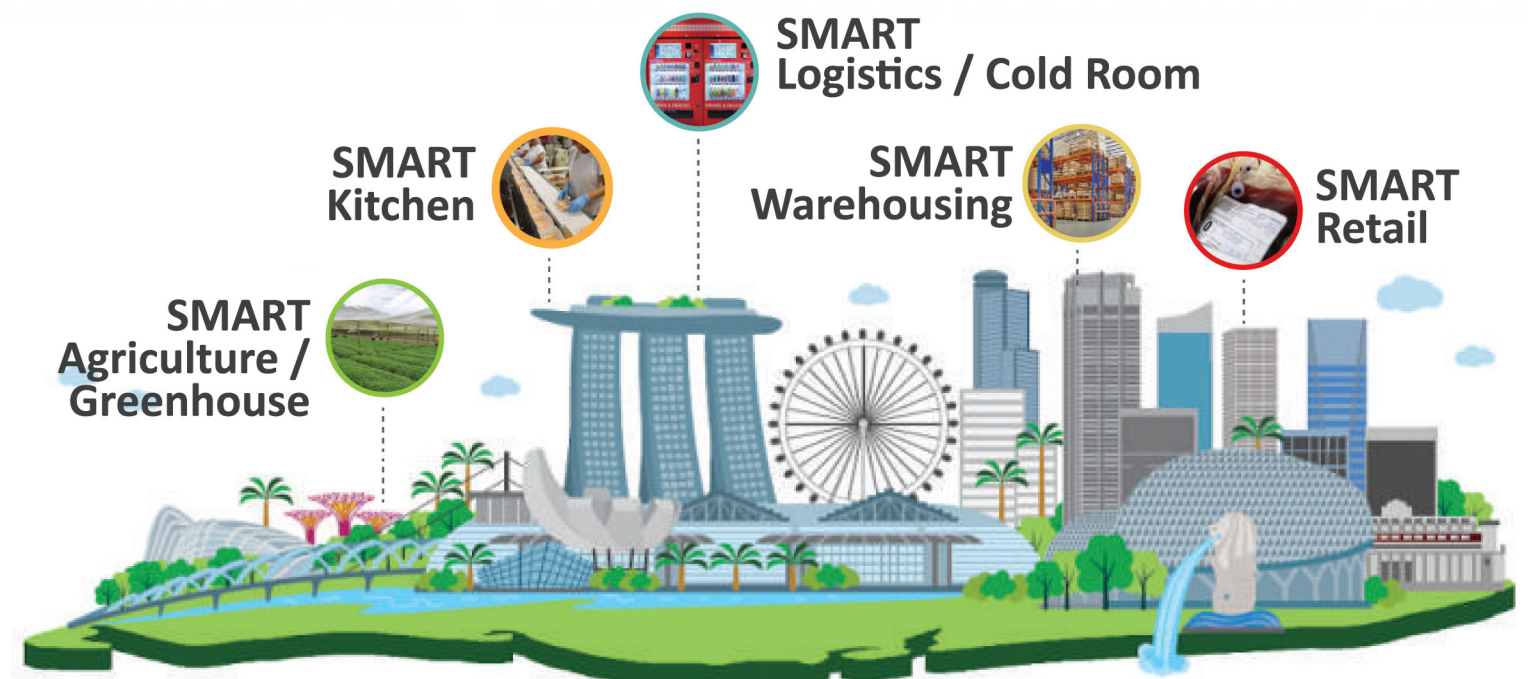
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dpstar Group

Building a
SMART NATION

sigfox

using Sigfox network coverage

SMART MONITORING SOLUTIONS (SMS)

- **Affordable Solutions**
- **Easy to set-up**
- **24/7 monitoring and notification**
- **Accurate Paperless Recording with no errors**
- **Improve productivity and efficiency**
- **Seamless Data extraction from server**
- **Low power consumption and rechargeable**
- **Data can be used in the cases of litigation**

SMART Logistics / Cold Room

SMART Kitchen

SMART Warehousing

SMART Retail

SMART Agriculture / Greenhouse

Internet of Things (IoT) Solutions

Sigfox is the world's leading provider of connectivity for the Internet of Things (IoT). Sigfox's unique approach to device-to-cloud communications addresses the three greatest barriers to global IoT adoption: cost, energy consumption, and global scalability. Our Smart Monitoring Solution combines a great sensor system with Sigfox network coverage. It allows its users to conduct environmental monitoring from the comfort of an office to the convenience of a smartphone. We believe that we can provide **IoT solutions of low cost, easy to use and adaptability to any business sizes**.

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TEMPHAWK
Utilize temperature to change the way we live

Model: SITH-01

Housing

Overall dimensions (L x W x H)	68 x 86 x 36 mm
Enclosure and IP rating	IP 67
Mounting	Wall
Working Range	- 20°C to 60°C

Power Supply

Capacity	Lithium Battery 3.7V, 2200mAh
DC Source	Input DC +5V

Temperature Sensor

Measuring Range	- 40°C to 125°C
Resolution	0.01°C
Accuracy	+/- 0.3°C

Humidity Sensor

Range (% RH)	0 to 100% RH
Resolution	1% RH
Accuracy	+/- 3% RH

Radio Antenna

Fixed Antenna	0 dBi Dipole Antenna with SMA connector
Extendable Antenna	2 dBi Dipole Antenna with 1.5 M cable
Size	58.0 x 12.5 mm (Fixed) | 197.0 x 13.0 mm (Extendable)

Radio Frequency

Radio Protocol	Sigfox

RCZ	Radio Frequency	Output Power
Sigfox RCZ 4	920 MHz	22 dBm
Sensitivity	-126 dBm (Max)	

I/O Interface

LED	2 - RED
Power Port	Micro USB (waterproof)
Data Port	Micro USB (waterproof)

Certifications

sigfox ready

RoHS COMPLIANT

Pb lead-free

CE

FC

Complies with IMDA Standards DA 108175

Device

IP 67
Protected against dust and low pressure water.

Plug and Play
Only requires plugging in sensor to start using.

Temperature & Humidity Monitoring
Monitor your environment with data samples every 10 minutes.

Runs on Sigfox Protocol

App

Push notifications
Get notified when a device requires attention.

Device groups
Easier device management.

Device data
See your devices' data on the go.

Portal

Alarm Settings
Allow users to set up alarm for device.

Reports
Get online reports of device groups and obtain device's data in csv format.

Historical Records
Get device historical data for maintenance and record tracking.

Multiple languages support
English, Spanish, French, and Mandarin Chinese