

USING AI IN SMART FACILITIES MANAGEMENT



IMDA Digital Tech Sharing (Ent)



About SIMPPLE

Who are we

Founded in 2016, SIMPPLE LTD and its subsidiaries delivers disruptive technology for the facilities management (FM) industry.

Powered by its proprietary SIMPPLE AI technological platform that leverages machine learning, computer visioning, and data science, facilities managers and supervisors are now able to:

- Access humans, robots and IoT assets on a singular autonomous ecosystem
- Manage their sites through data analytics
- <u>Enhance overall productivity through workforce management to drive efficiency in the</u> <u>maintenance, security and hygiene of a building</u>



Introducing SIMPPLE Software & Platform

Our flagship integrated software platform

IFSC presents an award-winning solution that **integrates the technology requirements** within a facility such as **robotics**, **software** and **IoT sensors**. SIMPPLE can help facility managers/supervisors **manage a building and its workforce** in a **single platform** and enable the future of **Smart Building automation** through **IoT Sensors and Vision**.



IoT Sensors

IoT sensors enable "cleaning on demand" to ensure quality standards and productivity

Robotics

Accountability

Productivity

Automation

Multifunctional robotics double the productivity and maximizes the ROI by doing manual jobs that are replaceable

Artificial Intelligence

SIMPPLE takes in the data from IoT Sensors and automates tasks between robotics and human workforce based on rules.



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Detect

Decide

Deploy

THE SIMPPLE FLOW



Attendance

- Attendance checklist
- Auto-assignment of tasks based on attendance
- Personal file of each officer to track performance

Feedback

- Community feedback
- Security Patrol Clocking Points
- Automated Work Order
- Location-based Feedback



Cockpit

- Overview of site in a single page
- Compile Live Reports and generate monthly reports
- Calculation of Bonus/LD (performance of contractor/ staff)

Robotics & IoT Sensors

- Track performance of robotic implementation
- Trends and Analysis from security systems and other IoT Sensors
- Automatic task-sending to Simpple Operation

Operations

- Automatically sends out security tasks based on schedules, audits, feedback from sensors & ad-hoc requirements.
- Workers are alerted through Whatsapp for easy adoption.
- Measures performance of individual officers for response times, and quality of work (integrated with Audit).

Incident Reporting

- Score calculation based on incident report requirements
- Completed SOP Checklist
- Closed-loop system to ensure opened task are logged AND alerted to SS for follow up or reassignment.
- k (integrated with Audit).





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- Performance of every worker

Defining Integrated Facilities Management

Environmental Services (ES) ITM

Core Soft FM (SFM) Services

- Sustainability
- Cleaning
- Housekeeping
- Space Management
- Waste Management
- Pest Control
- Environmental Monitoring
- Health and Safety
- Catering
- Landscaping and Plant
- Mail Management

Security ITM

Security Collaboration Platform (SCP)

- Visitor Management System
- Incident Management
- Security Robot
- Access Control
- Management
- Video Management System
- Risk Threat Detection & Prediction
- Carpark Management Mobile Patrol Management
- Extended Reality (XR)
- Physical Security
- Information
- Management (PSIM)
- Central Command Center



Real Estate (RE) ITM

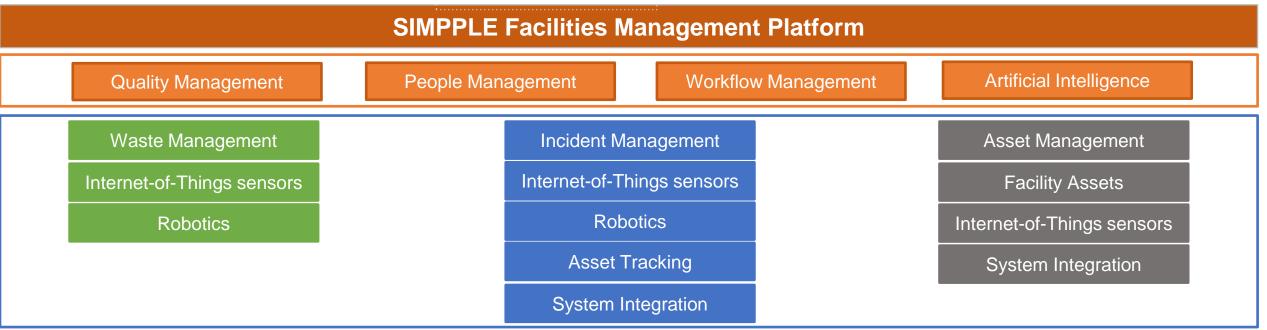
Core Hard FM (HFM) Services

- Power & Electrical
- Mechanical Equipment
- Lift & Escalator
- Smoke & Fire Safetv
- **Building Maintenance**



HVAC

- Chiller & Sprinkler
- Liahtina
- Plumbing



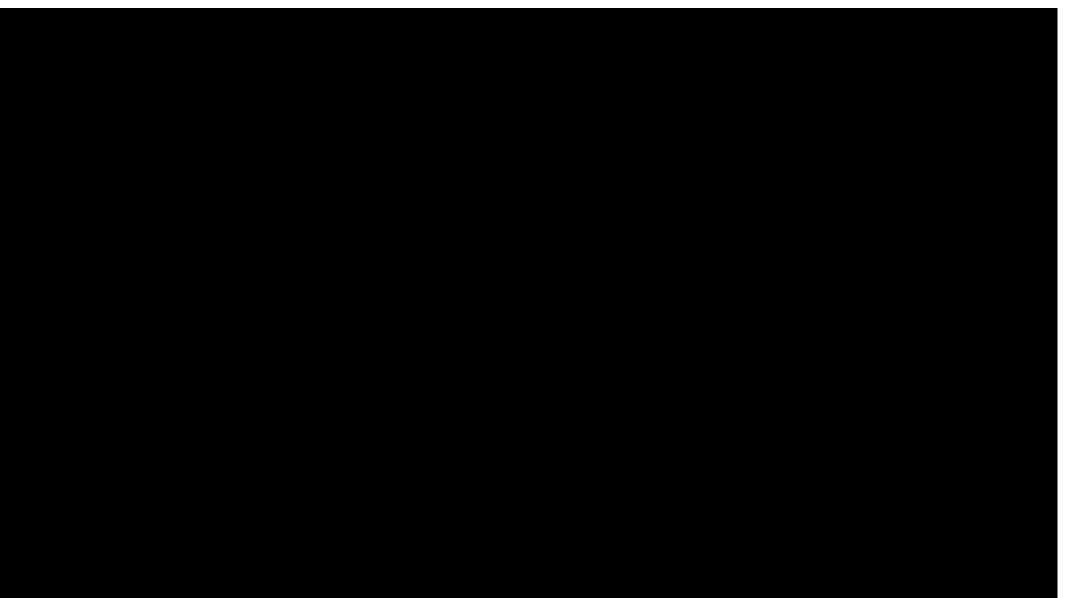
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SIMPPLE AI 2022 Launch

Featured by ChannelNewsAsia (CNA) at the 2022 CleanEnviro Summit Singapore (CESG2022)



SIMPPLE AI 2023





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The Future of FM is here

SIMPPLE is enabling change in the FM industry

Evolution of Technology

The Future of Facilities Management

🐨 🖷 Dastdoord i Admin Dashboard [English 🗸		Picture in picture	Aloy 🥌	
Workforce Management		Audit	Smart Toilet	
Today's Supervisor Headcount	Teday's Cleaner Headcount	Total Audits Done Number of audits submitted this reactin has fallen by BAE25. 23	Total Feedback Raceived	Total Completed Sensor Work Order Intal completed sensor work ander for this month has taken by 00%.
•		Top Retouch Up Element Description of the main transmission of the same support more support of the same support of the same support Description of the same support of the same support of the same support Description of the same support of the same supect supect support of the same su		2
Tank Total completed particle; tank for this inserts has falses by 90.955 <u>1</u> 15	Tetal Completed Adhoc Teak Totel completent eithoc task for this month has fallen by IE 24%.		Avg QR Scan per Day	Completed Sensor Work Order 3/4
Periodic Task Completion		Average Inspection Score		Sensor Work Order
The average completion access has deposed by \$30,05% Please thrack the periodic task logs and clear any cuttanding periodic tasks.	The everage comparison across here increased by 33.33%. Keep II Upt	92.46%	Total QR Scans 6	Completion The service corrupteton leave that increased by 20.01%, Seep it upt





Beyond 2022 – SIMPPLE AI

SMART Building Management System that automates technology tools to drive autonomous operations

2021 – SIMPPLE Ecosystem

Data across all technology tools work together to give information and insights for better decision making and accountability

2017 – Robotics, Sensors & Software

Introduction of technology tools such as robotics, IoT Sensors and Software management to aid productivity and quality

Traditional Operations

Manpower intensive, Reliant on conventional equipment



Automating SIMPPLE platform with A.I.

Workforce Management

Today's Cleaner

Headcount

0

Total Completed Adhoc

Task

Total completed adhoc task

for this month has fallen by

88.24%.

11

Adhoc Task Completion

The average completion

score has increased by

33.33% Keep it up!

73.08%

Today's Supervisor

Headcount

O

Task

Total completed periodic

task for this month has faller

by 90.91%. Y

15

Periodic Task Completion

The average completion

score has dropped by

83.92%. Please check the

periodic task logs and clear

any outstanding periodic

3.399

Now reimagine a self-operating building with SIMPPLE.AI



SIMPPLE

Audit

Total Audits Done

Number of audits submitted this month has fallen by 84.62%.

23

Top Retouch Up Element

Door / Frame require the most retouch-up. Please deploy more thorough cleaning for this element

Average Inspection Score

92.46%

Door / Frame 42.1%

Smart Toilet

Total Feedback Received

8

Avg QR Scan per Day

6

Total QR Scans

6

Total Completed Sensor

Work Order

Total completed sensor work

order for this month has

fallen by 50%.

2

Completed Sensor Work

Orde

3/4

Sensor Work Order

Completion

The average completion

score has increased by

49.99% Keen it un

75%

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SIMPPLE Platform: Holistic Management Overview



Dynamic Monitoring

Optimal Asset/Resource Allocation through Automation



Integration with other soft/hard

FM providers **Buildings of the Future** SIMPPLE

Autonomic

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Sample

Dashboard

- All-in-one integrated workforce management/workflow automation SaaS to assist in facility services while supporting the digitalisation journey of **Built** Environment and Environmental Services companies
- **Position buildings to be future-ready** with SIMPPLE. Al upgrade
- Projects typically achieve an average of >70% productivity combined
- Proper use of technology can incentivize performance and behavior
- Reduced system bias as there is minimal human intervention; truthful data

Trusted by Clients

Clientele ranges from Property Owners, Facilities Management Companies and Contractors T

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CROWNE

PLAZA

HOTELS & RESORTS

THE FULLERTON HOTEL

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PAN PACIFIC

HOTELS GROUP

Airgiont singapore









Parkway Hospitals

SINCAPOLE

NTOR

SIDENCE







Ministry of Education SINGAPORE







MOUNT

HOSPITAL

ALVERNIA





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Freedort

orchardgateway





ACTION

DOWNTOWN

TOMPINESMOLL

LUCKY PLAZA

CLEMENT

















GTM Strategies and Partnerships

11

IFM Technology is a growing space that clients from overseas countries are demanding for



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Any Questions?

