

Industrial Internet of Things

LINKSTUFFS PTE LTD
BUSINESS PROFILE

Q2 2020

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ABOUT US

We're Linkstuffs, one of the leading predictive maintenance IoT solution providers in Singapore and Malaysia since 2018. As the name implies, we help to link (connect) your stuffs (machines) and make them intelligent to reduce downtime and prevent costly repair. We also go extra miles to link our minds with yours to overview the problems, and provide creative customized solutions that help you to achieve your lasting business success. We're pleased to be part of your Industry 4.0 Programme. Get in touch with our technical specialists because we do free consultation at your premises that help you to discover your next smart winning transformation ideas. Till far, Linkstuffs has installed and connected more than 1000 machines for condition monitoring and failure prediction.

Where we are
TODAY

MISSION

At Linkstuff, we offer you a cost-effective and comprehensive portfolio of Industrial Internet of Things (IIoT) solutions, including both integrated hardware and software services that are specially customized according to your requirements. We have a myriad of successful cases for various industries in Singapore and Malaysia that allow us to serve you confidently

We aim to provide you the top-notch solutions in our promising IoT-enabled predictive maintenance, smart monitoring and digitalization to reduce your production unexpected downtime and increase your machine reliability

WHY LINKSTUFFS? BECAUSE WE'RE FLEXIBLE WITH YOUR NEEDS & WANTS



OUR SOLUTIONS

1 Predictive maintenance

We evaluate your equipment performance during normal operation to identify and repair possible faults before they cause failure. We promise you won't frown again for unplanned downtime and exorbitant maintenance cost, and longer equipment lifespan is guaranteed.

2 Machine condition monitoring

We integrate software and hardware to monitor the "health condition" of your machinery. We maximize your machinery up-time with the parameters, such as vibration, temperature and etc to identify a significant change that could indicate a developing fault.

3 System Integration

Due to the growing development of Industry 4.0, system integration has slowly become a necessity, together with the need to simplify the management processes. Businesses can struggle especially when it comes to handle the ever-expanding data. But, you can achieve all your objectives efficiently through our effective integration system!

4 Digitalization

When everyone is having a mobile phone on hand now, it also means that our world is moving at speed. Although it has no right or wrong to stay at analog process, but one thing for sure is you're putting your business at risk. We have experienced specialists that can help you to transform, change and move to bigger global reach with the digital technologies.

5 Sensor

IoT sensors play a key role in measuring the physical phenomenon like temperature, pressure and etc and transform it into an electrical signal. For sensors, they're like the heart of our industry and thankfully they're also an expertise. We strive to install the most accurate sensors for your business operation.

LINKSTUFFS CORE **FEATURES**

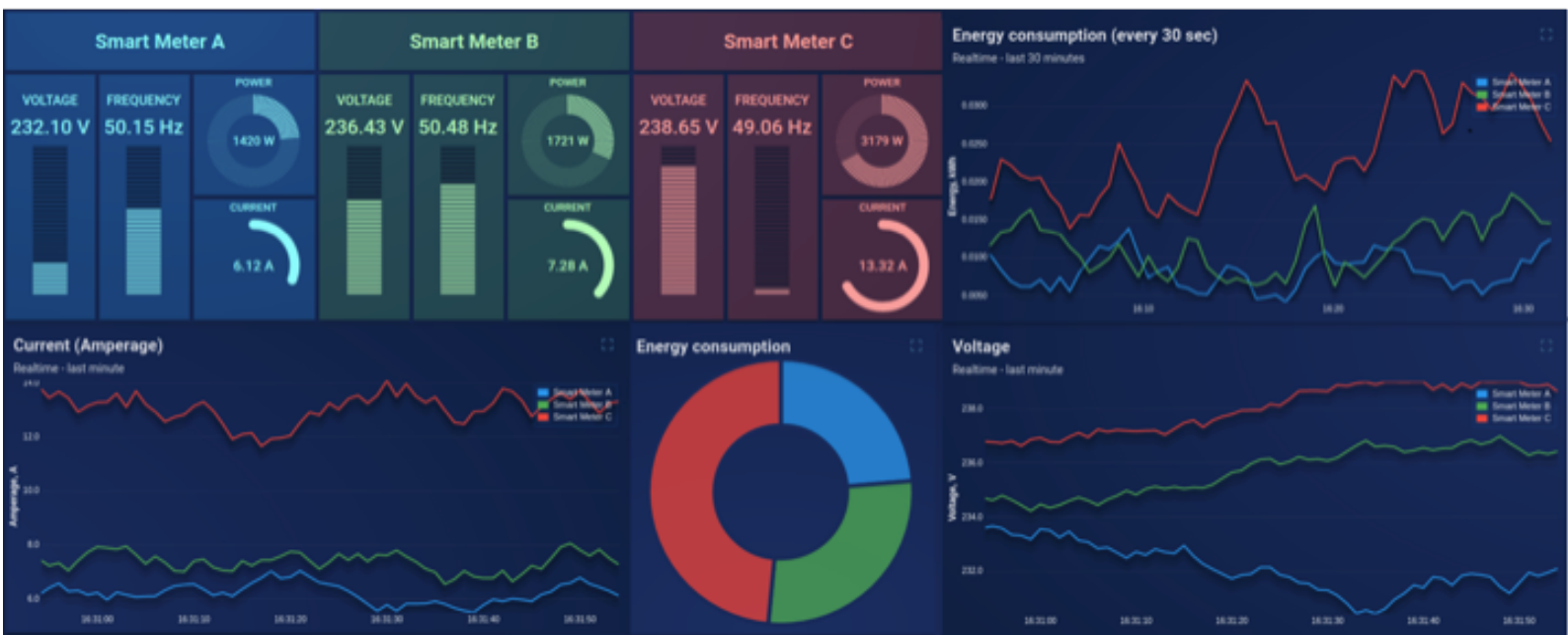


REAL INSIGHT. MACHINE CONDITION MONITORING

Condition monitoring refers to built-in or retrofitted devices which track machine parameters and help detect faults early or even before they occur. The IoT sensors can be used to measure anything from machine such as current usage, temperature, humidity and movement. The readings are sent to the server where the data is processed by the middleware and warnings or visualizes patterns are provided for monitoring purpose.

Monitor the condition of your machines behaviour in real time.

- Can be applied to wide variety of conditions
- Enable to track machines condition simultaneously
- Track and trace your machine health and performance over time



EFFICIENT.

OEE ANALYSIS

Overall Equipment Effectiveness (OEE) is at the core of all optimisation paths in the production line. Linkstuffs, monitor module comes with real time data of your production performance and assets that enable you to analysis and improving OEE in your factory.

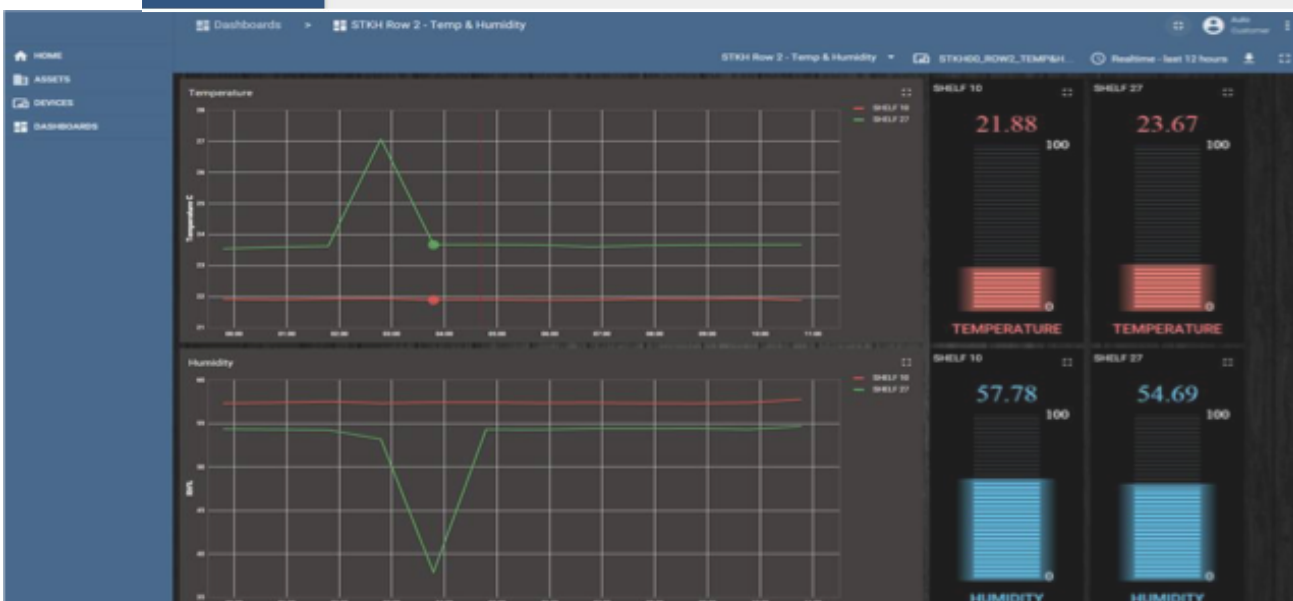
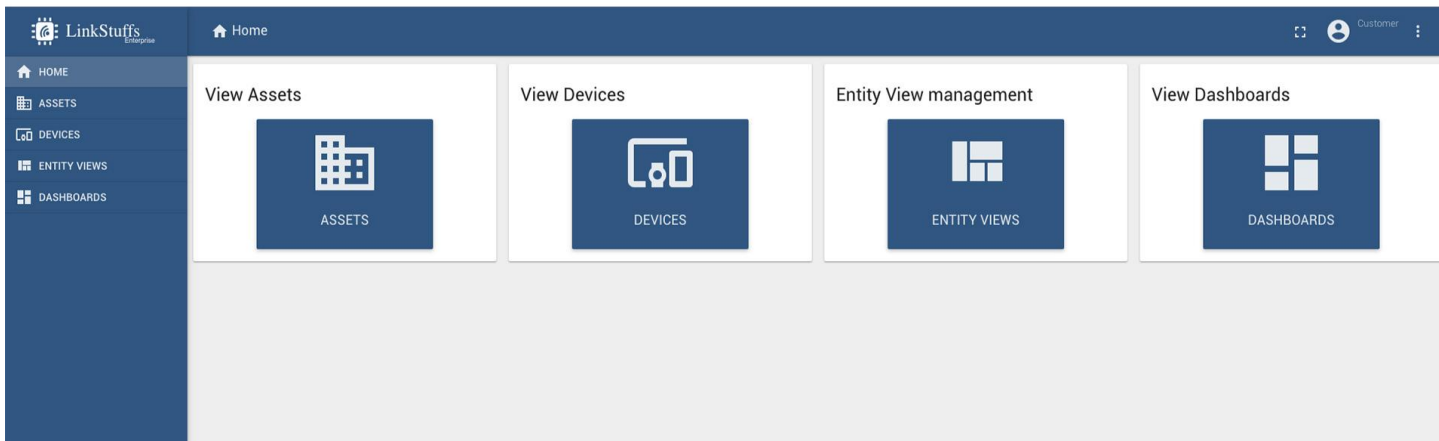
- Can track many conditions simultaneously
- Overview of your OEE performance
- ▶ Performance
- ▶ Availability
- ▶ Yield

The screenshot displays the LinkStuffs Enterprise user interface. On the left is a navigation sidebar with options: HOME, ASSETS, DEVICES, ENTITY VIEWS, and DASHBOARDS. The main content area is titled 'Devices' and lists four items: 'DI Water MOTOR', 'Heat Exchanger 3 MOTOR', 'Scrubber Fan MOTOR', and 'Current Meter 1 DEMO'. The 'SCRUBBER PUMP' device details are expanded, showing tabs for DETAILS, ATTRIBUTES, LATEST TELEMETRY, ALARMS, EVENTS, and RELATIONS. The 'EVENTS' tab is active, displaying a 'Statistics' event type and a 'LAST DAY' time filter. A modal dialog is open over the event list, allowing selection between 'Last 7 days' (selected) and 'Time period', with an 'Advanced' toggle and 'UPDATE'/'CANCEL' buttons.

REAL VISION. FLEXIBLE DASHBOARD

IoT data may be of the greatest importance by visualizing the data captured from IoT sensors. Linkstuffs configurable dashboard enable to monitor in real-time your assets behaviour and assets status.

- Display data in real time
- User-friendly interface
- Historic data
- Reporting system



REAL PREVENT. ALARM NOTIFICATIONS

Alarm warnings indicates faulty parts or sends alerts to signal current or future malfunctions. As a results, it helps manufacturers to completely avoid unplanned downtime.

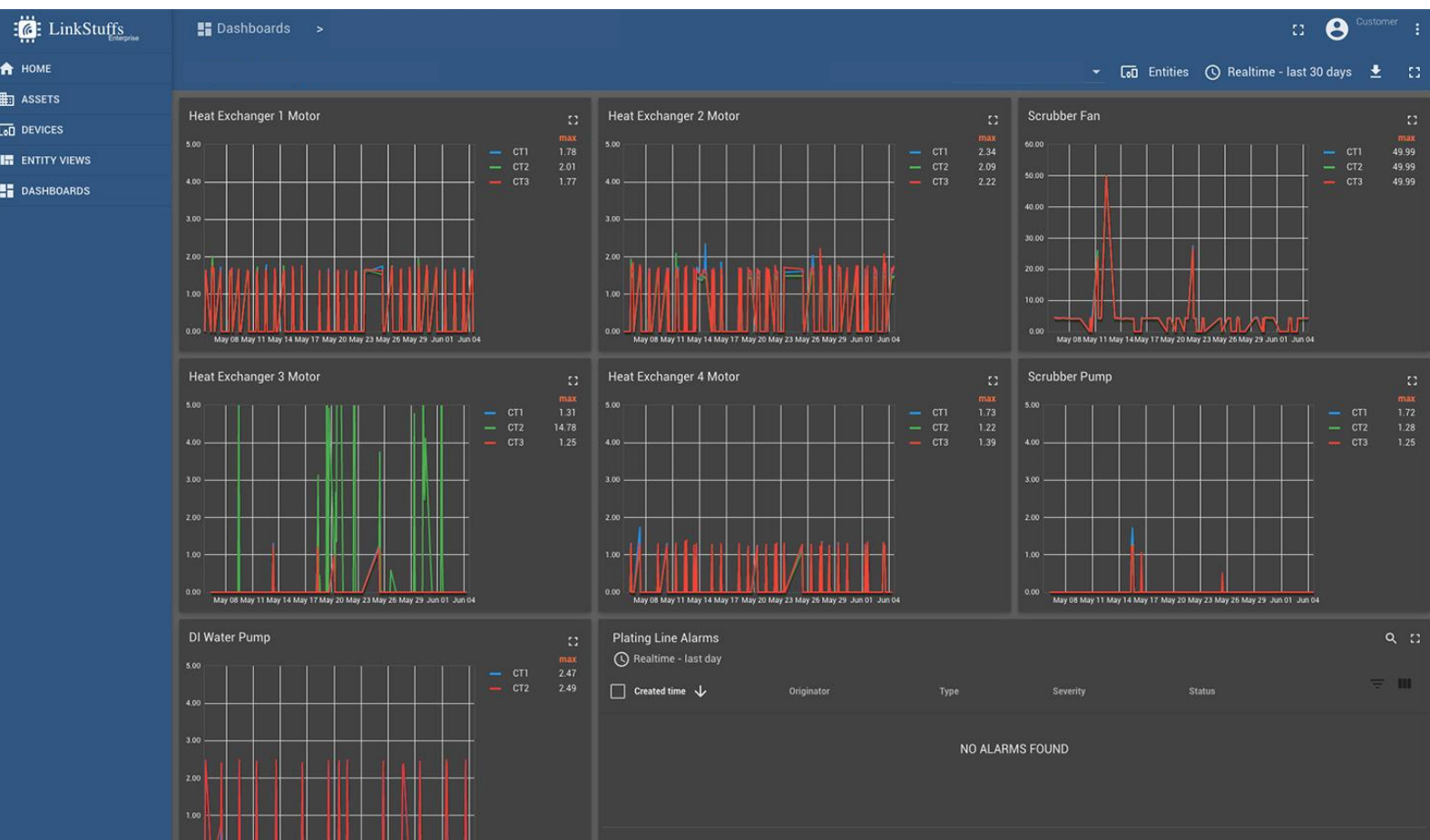
- Create triggers status based on real-time data generated by device
- Send alerts notifications through sms or email
- Immediate actions to prevent downtime

The screenshot displays the LinkStuffs Enterprise user interface. On the left is a navigation sidebar with options: HOME, ASSETS, DEVICES, ENTITY VIEWS, and DASHBOARDS. The main content area is titled 'Devices' and lists three items: 'DI Water MOTOR', 'Heat Exchanger 3 MOTOR', and 'Scrubber Fan MOTOR'. The 'Scrubber Pump' device is selected, showing its details in a tabbed view with 'ALARMS' active. The 'Alarm status' is set to 'Any'. A modal window is open for configuring the alarm, showing options for 'Last' (selected) and 'Time period' (set to '1 day'). There are 'UPDATE' and 'CANCEL' buttons at the bottom of the modal. The top right of the interface shows a search icon, a refresh icon, and a user profile labeled 'Customer'.

PREDICT. PREDICTIVE MAINTENANCE

With the advent of technology, new and predefined ways of maintenance are emerging. One such method is Predictive maintenance that helps reclaim time lost during maintenance, avoid unanticipated breakdown, evade unnecessary service costs and excel the performance of the machine.

- Collecting data using IoT sensors
- IoT sensors integrate with shop floor equipments to generate data
- Predict machine breakdown before failure



NOTABLE **PROJECTS**



PROJECTS

- 1.VSD Pump Drivers of Chiller Tower/Air Monitoring
- 2.Chiller Tower/PCW Motor Health Monitoring
- 3.Chamber Pressure Different in Cleanroom
- 4.UPW/DI Water Resistivity Level Monitoring
- 5.VN2 & CDA Gas Pressure Supply Level Monitoring
- 6.Temperature and Humidity Monitoring
- 7.Cleanroom Air Quality Monitoring
- 8.Air pressure sensor project – Dry Etch
- 9.Temperature & Humidity Monitoring in Stocker
- 10.Yaskawa Robot Motor Prediction
- 11.Fan Filter Unit Monitoring

Visit our website for case study at <https://linkstuffs.com/use-cases-1>

ACHIEVEMENT





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Congratulates

LINKSTUFFS PTE LTD

based on nominations and assessments, allowing you to achieve the
prestige commercial status as a

SME 500 SINGAPORE COMPANY for the year of 2020



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Singapore SME 500 Award Committee

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Date of Issue: 30 JUNE 2020 Certificate Number: 20-41992

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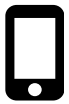


OUR **CLIENTS**





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