

# lift monitoring system



## what is lift monitoring system (LMS)?



LMS provides a platform for the remote monitoring of lifts / elevators. **LMS monitors** and **tracks** the performance of these assets

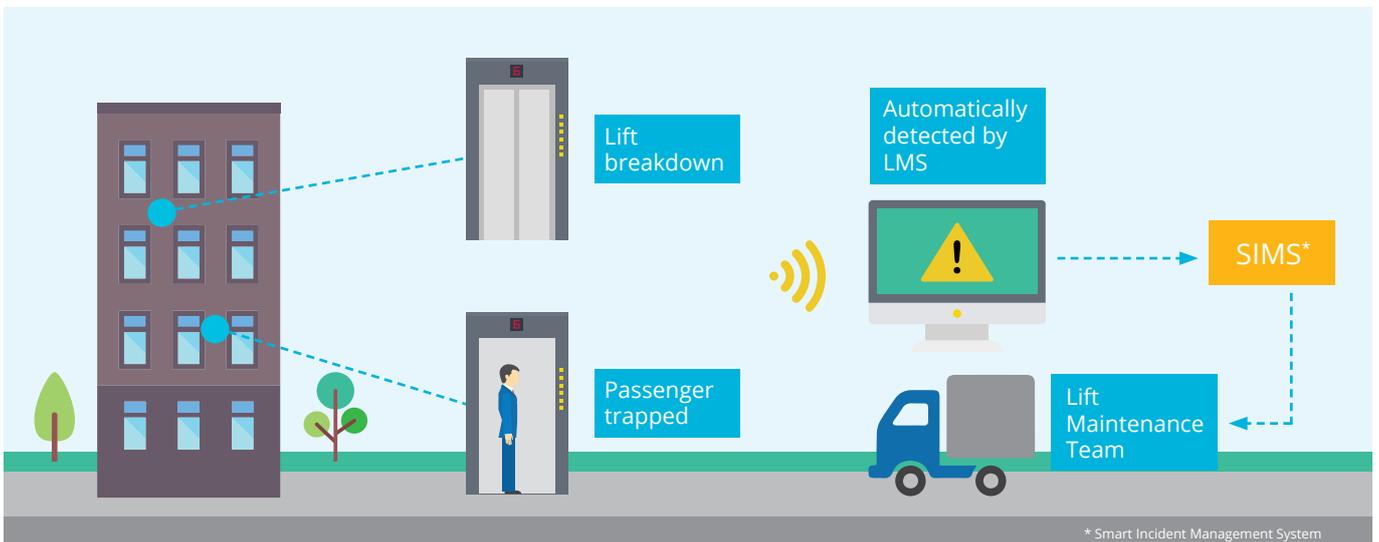


LMS was developed based on Surbana Jurong's expertise in **estate management**. With experience in **lift management solutions** since 1984, LMS offers:

- Experience in 24/7 monitoring of over **26,000** lifts in Singapore and China, which are used on a **high-frequency** and daily basis
- Predictive and preventative maintenance solution based on over **30 years of data insights**



Enables pre-emptive maintenance of lifts before breakdown, enhancing **safety and reliability**



\* Smart Incident Management System



## features



### Real-time monitoring of lift operations

Allows overview of assets' operational state and captures data for predictive analysis



### Cloud-based

Resides in the cloud and functions with the Microsoft Azure suite of services, providing secure data storage and machine learning functionality



### Multi brand and model compatibility

Able to support asset monitoring and performance tracking across different lift generations, models and brands



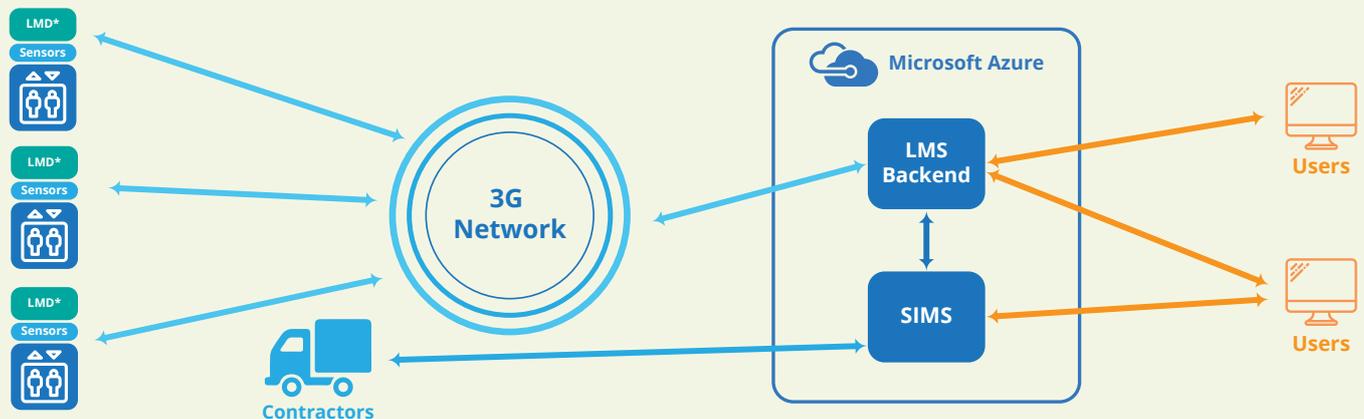
### Workflow capabilities

The LMS can interface with Surbana Jurong's Smart Incident Management System (SIMS) to provide a comprehensive end-to-end solution



### Predictive analytics

Non-intrusive sensor devices installed in lifts capture data, which facilitates analysis of lift telemetry and predicts future failure, allowing for optimised maintenance and reduced downtime



\* Lift Monitoring Device

System outline of the LMS and SIMS



## benefits



Real-time monitoring and predictive capabilities result in **productivity and cost savings**



**Secure communications protocol** with active network monitoring and management



**Addresses the risk of breakdown incidences** causing business interruptions as well as health and safety related incidents



Usable data points that can **drive actionable insights** such as preventative maintenance and recovery cost decisions



Mobile app allows **quick and easy system commissioning** during the deployment stage

A Smart City in a Box Solution by Surbana Jurong

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