

Dashboard Monitoring

An end-to-end IoT solution for centralized remote monitoring and predictive maintenance of lifts. It can pull data from any lifts – regardless of brand or location – onto a single dashboard that tracks physical condition, utilization, and ride comfort and sends alerts if anomalies are detected.

Technology Used:

Frontend:

- Angular 9+
- HTML/CSS3
- Angular Material
- HighCharts
- Bootstrap

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Last Update: 3/9/21 22:37 Legend

Status	Name	Building	Direction	Door Status	OEM	Floor Starts	Ends	Last Active	Alarm Status	RTD
	SL3	Fusionopolis 2	⇩	close	OTIS	L5	L1	3 hours ago	0 0 0	✓
	SL2	Fusionopolis 2	⇩	close	OTIS	L9	B1	44 minutes ago	0 0 0	✓
	SL1	Fusionopolis 2	⇧	close	OTIS	B1	L3	30 minutes ago	0 0 1	✓
	PL9	Fusionopolis 1	⇩	close	Schindler	L13	L1	3 hours ago	0 0 0	⚠
	PL9	Fusionopolis 2	⇩	close	OTIS	L6	L1	3 hours ago	0 0 0	✓
	PL8	Fusionopolis 1	⇩	close	Schindler	L13	L1	2 hours ago	0 1 0	✓
	PL8	Fusionopolis 2	⇩	close	OTIS	L11	L7	5 days ago	0 0 1	!
	PL7	Fusionopolis 1	⇧	close	Schindler	L12	L13	11 minutes ago	1 2 0	⚠
	PL7	Fusionopolis 2	⇩	close	OTIS	L7	L4	6 days ago	0 0 0	✓
	PL6	Fusionopolis 1	⇩	close	Schindler	L15	L1	3 hours ago	0 1 0	✓

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Main Campus



Building 1



PL1

Overview

Details

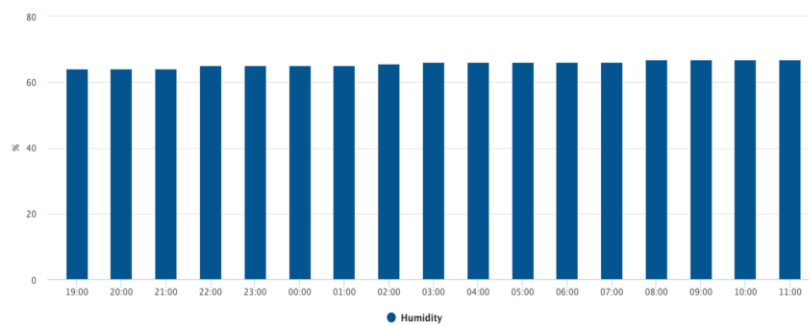
OEM	Type	Capacity	Passenger Capacity	Rate Speed	Type of Doors
KONE	Passenger	1150 kg	15 pax	1.75 m/s	Center Opening

Dec 25 Jan 25 Feb 25 Mar 25 Apr 25 May 25 Jun 25

Humidity & Temperature

Travelled Distance

Past 24 Hours



Trip Duration 10 seconds

Last Maintenance 25 May 2020
26 min duration

Last Levelling 1mm
Floor 4

Top Levelling Offset

Past 30 Days Average

Floor 2 1 mm Floor 0 -1 mm Floor 3 -1 mm

Last Lift Travel

From Floor 1 To Floor 4

Alarms

Very Critical 0 Critical 2 Warning 1

Status	Date & Time	Description
Critical	June 25, 2020 10:00 AM	Hourly Movement Levelling 100% exceeds 7mm on total trips
Critical	June 25, 2020 8:06 PM	Anomaly Detection Abnormal jerkiness when the lift...
Warning	June 22, 2020 11:06 AM	Anomaly Detection Abnormal jerkiness when the lift...

Total: 3

Predictive Maintenance

June 25, 2020 12:09 AM	Car Door Contact	✓
June 25, 2020 12:09 AM	Extended Door Operation	✓

Number of Door Movements



Today
1,038

1,048 Past 24h
1,084.6 Past 30 Day's Average
3% lower than last week

Door Opening Time



Today
3.45s

3.43 s Past 24h
3.44 s Past 30 Day's Average
1% lower than last week

Door Closing Time



Today
3.27s

3.25 s Past 24h
3.24 s Past 30 Day's Average
1% lower than last week

Door Serving Time



Today
40.2min

40.6 min Past 24h
43.3 min Past 30 Day's Average
4% lower than last week

Total Operating Hours



Today
3.6h

3.7 h Past 24h
52.2 min Past 30 Day's Average
6% lower than last week

Journey Counter



Today
569

578 Past 24h
139.5 Past 30 Day's Average
5% lower than last week