insights

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tsaro MosaicONE

ELEVATOR INSIGHTS TO RISE ABOVE ANY PROBLEM

The A17.1 2019 Elevator Code, mandating video in elevator emergency communications, is revolutionizing the elevator industry by necessitating internet connectivity to each elevator. This transformation removes the first barrier to bring IoT products and services to the elevator. But what if we can remove the second barrier on the cost of additional hardware and its installation and maintenance?

The MAD Elevator 2019 Code VMS system uniquely does this. Our standard product connected to both the internet and the elevator controller has access to a wealth of data that is now available without upfront costs.
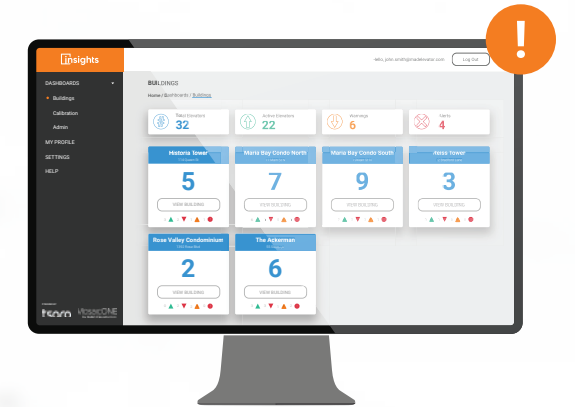
With this data, we are excited to introduce Insights in partnership with Tsaro, an elevator data analytics platform. Insights enables the elevator consultants, contractors, and building managers with the most advanced and scalable connected platform with everything you need for data driven decision making.

Introduction

Insights is an online web platform using the existing MAD VMS communication equipment to provide real-time elevator usage statistics and data analytics powered by Artificial Intelligence (AI) for elevator consultants, contractors, and building managers.

Users can access complete elevator performance, safety, and compliance reports anytime anywhere, enabling data-driven decisions, streamlined maintenance processes, and reduced elevator downtime.

Get a lift with data-driven elevator insights today.

Key Features

⚠️ **Warnings & Alerts:** Receive notifications for elevators that need immediate attention or are nearing maintenance requirements, helping prevent critical failures and costly repairs.

📄 **Automated Reports:** Access full reports at any time without having to wait for someone to manually compile them. This feature streamlines the reporting process and ensures data is always up-to-date.

- Door Cycles
- Ride Quality
- Passenger Traffic

✅ **24/7 Report Monitoring:** View current elevator positions and status (such as active, inactive or service-mode) around the clock
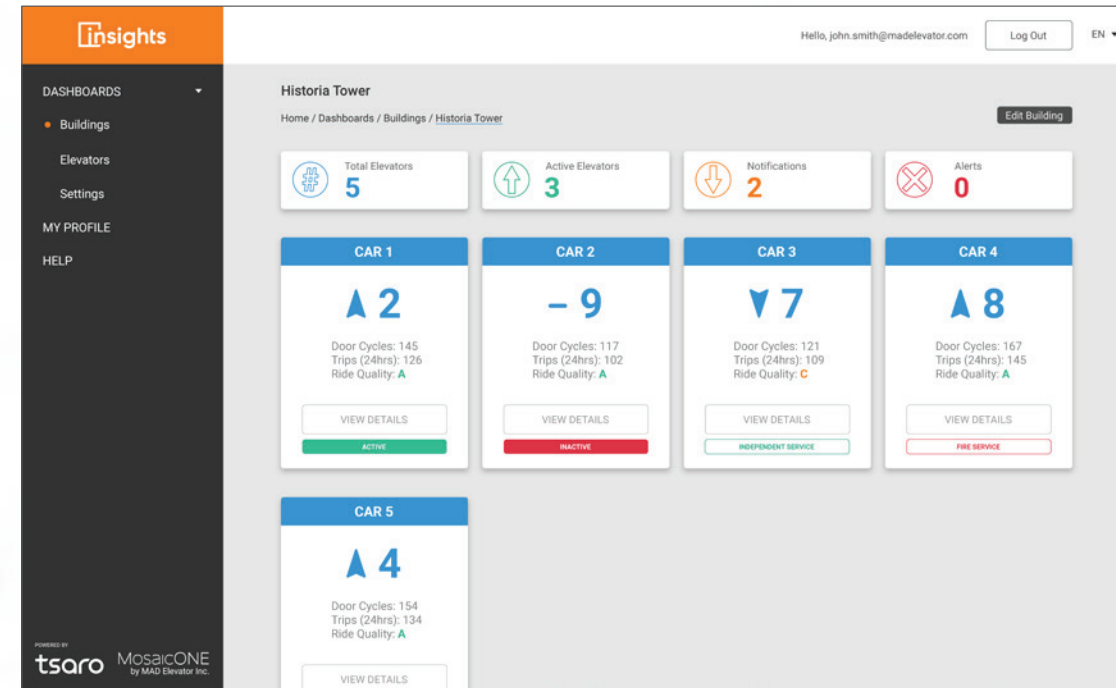
⛔ **Proactive Maintenance & Recommendations:** Reduce downtime by leveraging the platform's insights to create a data-driven maintenance schedule.
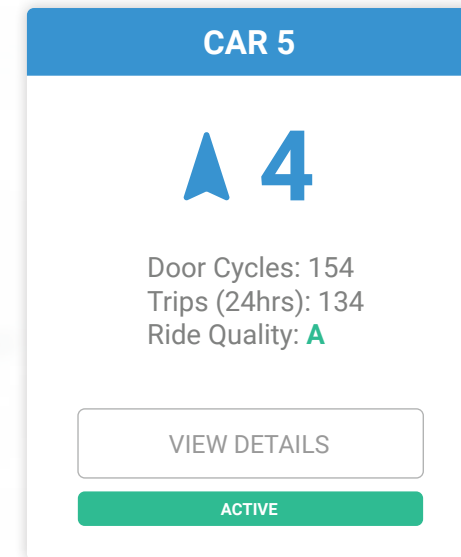
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Building Overview

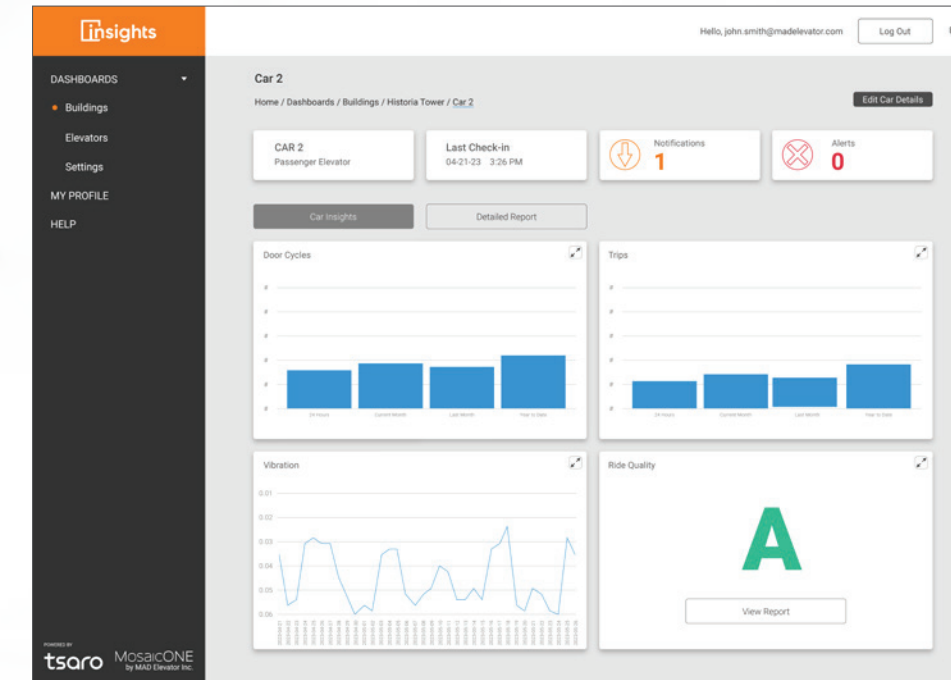The dashboard gives a high level of available information to the assigned buildings

CAR 5

▲ 4

Door Cycles: 154
Trips (24hrs): 134
Ride Quality: A

VIEW DETAILS

ACTIVE

Notifications
2

Marked **orange**, Notifications show the user actions that are recommended to resolve potential elevator issues in the building.

Alerts
0

Marked **red**, Alerts show the user actions to resolve urgent elevator issues in the building.

Elevator Detail

The Elevator Detail page contains all the data you need to make informed decisions.

From this view, you have access to:

• 1yr, 30 day and 24hr snap shot averages for Trip and Door Cycles.
• Ride Quality Rating and downloadable report from our continuous monitoring
• Top traveled floor based on Trip and People traffic flow
• Jerk Start/Stop statistics
• Vibration graphs up to 1 year history

Notification and Alerts Pop-ups

Accessible either from the buildings or elevator detail page, these popups bring attention to the items that matter most.
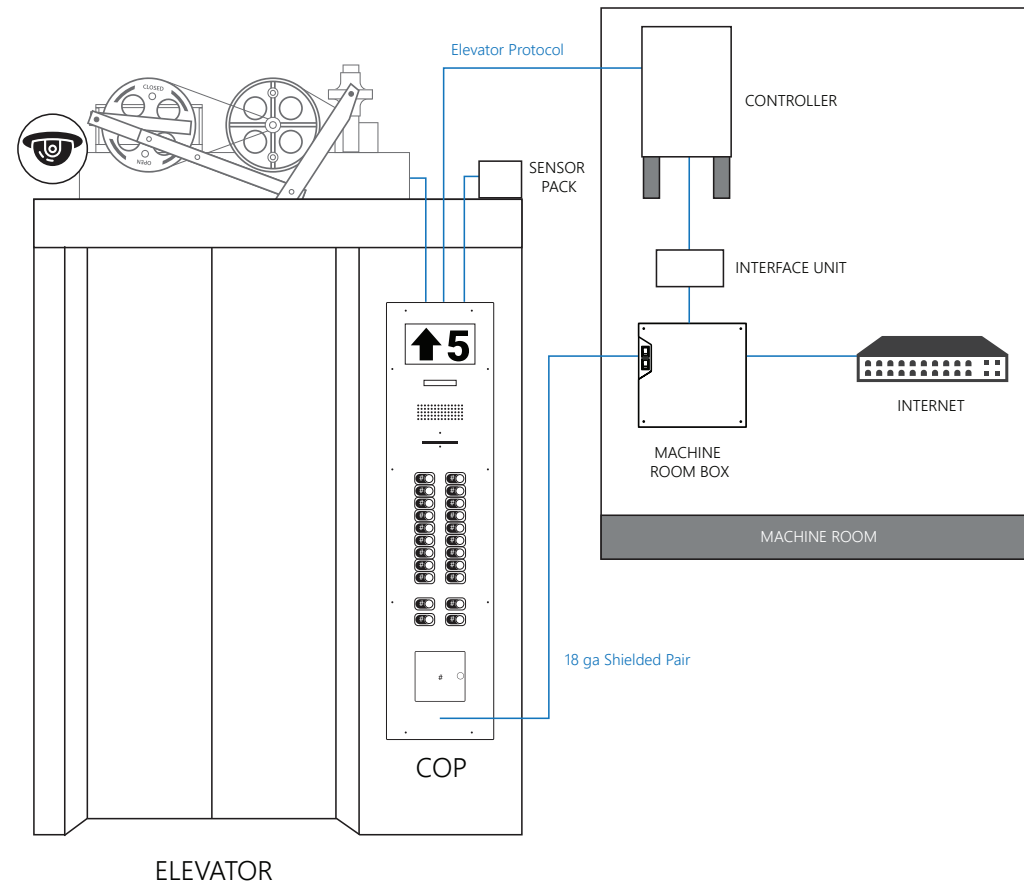
Notifications:

• Abnormalities in detected in the data analytics in respect to the operation and data compared to both the unit's history as well general elevator population
• Known correlations between data and pending failures
• Maintenance recommendations based on usage

Alerts:

• Indication of failure from data or direct communication with controller
• Indication of passed thresholds on performance or operation

How It Works

Elevator Protocol

CONTROLLER

SENSOR PACK

INTERFACE UNIT

INTERNET

MACHINE ROOM BOX

MACHINE ROOM

18 ga Shielded Pair

COP

ELEVATOR

Hardware:

Leveraging the existing MosaicONE Video & Messaging System (*VMS*) by MAD Elevator, with onboard accelerometer and already communicating with majority of elevator controllers, a wealth of information and analytics is possible with no additional equipment or installation is required.

Optional Equipment:

For elevators not installed with MosaicONE VMS systems, or where enhanced data is desired:

Optional Controller Interface Unit:
Connecting direct to select controllers, full data sets available for in-depth Insights and statistics

Optional Sensor:
Ideal for non-VMS elevators, to capture door and ride quality information.

**Signing up Beta customers now.
Join us and help shape the future of Insights.**

Contact an expert to learn more.

insights@madelevator.com

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MAD

Ver. Beta