

FORGING VISIONARY LEADERSHIP

IoT and Your Elevator





Presenter Introduction

Mike Schiappa, Associate Director

- Education: Electrical Engineer and MBA degree
- Elevator industry professional since 1994
- Designing & deploying connected products since 1999
- Support field operations within Americas
- Manage Remote Elevator Monitoring, Otis Elite Service and Otis ROLE (mechanic help desk)
- IoT development since 2016





CEUs & CFM[®] Maintenance Activities

You are eligible to receive Continuing Education Units and Certified Facility Manager® maintenance activity credit for attending sessions at IFMA's Facility Fusion.

To receive CEU points, you must add the US\$20 processing fee to your registration. (Full Event PLUS! registration includes the CEU processing fee.)

To Receive 1 CFM Maintenance Activity (6 required for recertification)

- Record your attendance for the three-day conference on your CFM Recertification Form in CAMP. Documentation is not required for credit since Credentials Staff can verify your attendance.
- At re-certification time, submit your completed CFM Recertification Form.

Managing CEUs:

- Log into the Attendee Service Center: https://events.ifma.org/facilityfusion/2019/registration_update.cfm Your log-in information was sent to you when you registered for the conference.
- Click "Start CEU Process" on the left-hand side.
- Click "Start" next to the session you attended.
- Complete the session evaluation.
- Click "Start Test" next to the session. After passing the test, your certificate will be available for download.

**If you wish to receive CEUs or LUs for other organizations, you must contact those organizations for instructions on reporting credit hours.





Review Session Learning Objectives

- IoT and your elevators: turning data into outcomes
- Predictive maintenance: reducing downtime
- Health monitoring & machine learning
- How elevator data can help facility managers





Your Feedback is Valued!

Please take the time to **Evaluate Sessions**

Log into the Attendee Service Center

https://events.ifma.org/facilityfusion/2019/registration_update.cfm





OTIS SIGNATURE SERVICE IOT, and Your Elevator

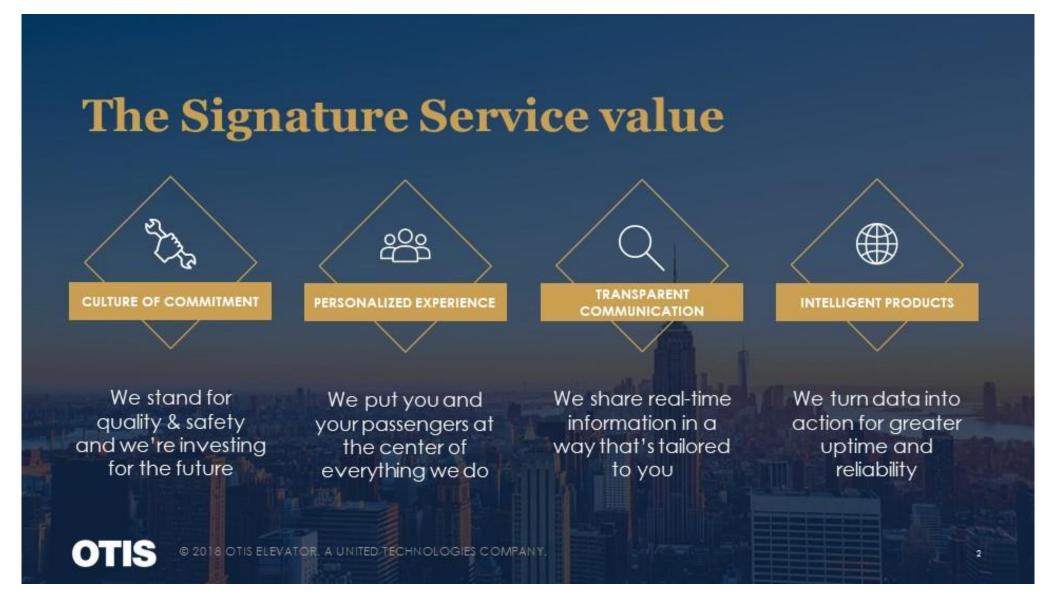
April 2019

OTIS



IFMA Rics









Serving a world in motion

In 1861, Charles Otis handwrote his first elevator service contract and signed his name to it.

Today, we are expanding his commitment with investments in our employee, customer and passenger experience.

We're combining our deep expertise with new digital solutions to deliver personalized service every step of the way.

Our name is Otis — and service is our signature.

2 2 UNITS UNDER CONTRACT

200 COUNTRIES AND TERRITORIES

IFMA"

RICS



© 2018 OTIS ELEVATOR. A UNITED TECHNOLOGIES COMPANY



Our digital service ecosystem

INVESTING IN A PERSONALIZED CUSTOMER EXPERIENCE



PERSONAL COMMITMENT

to personalized service that makes the most of our innovation and delivers uptime for you



MOBILE TOOLS

put information in our hands and yours to deliver more efficient, informed and real-time service



GLOBAL SERVICE SYSTEM

connects our teams to 360° account information for a personalized and informed experience



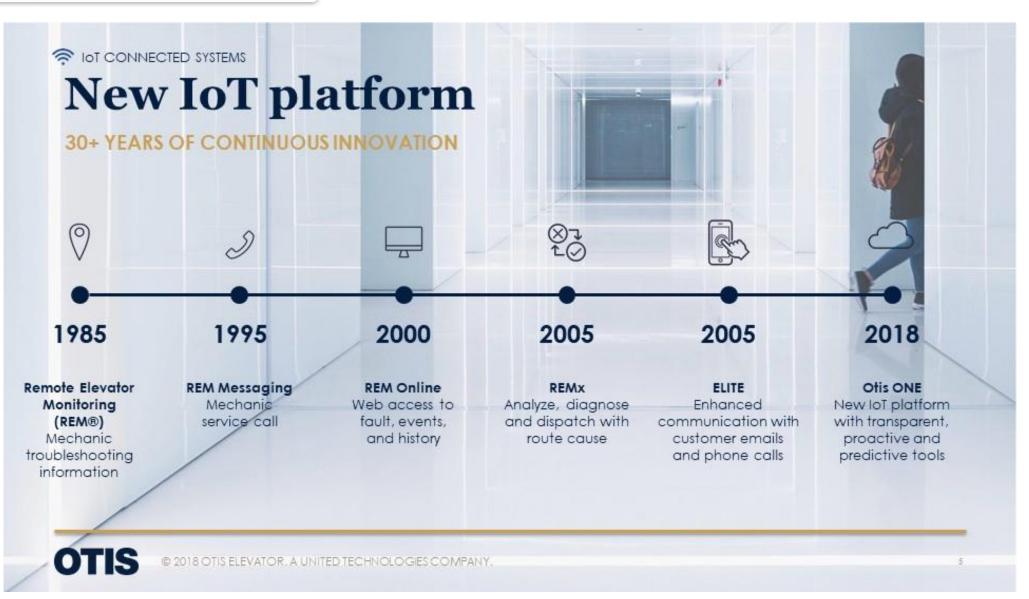
CONNECTED IoT SYSTEMS

enable intelligent and proactive service to address maintenance before you see an issue





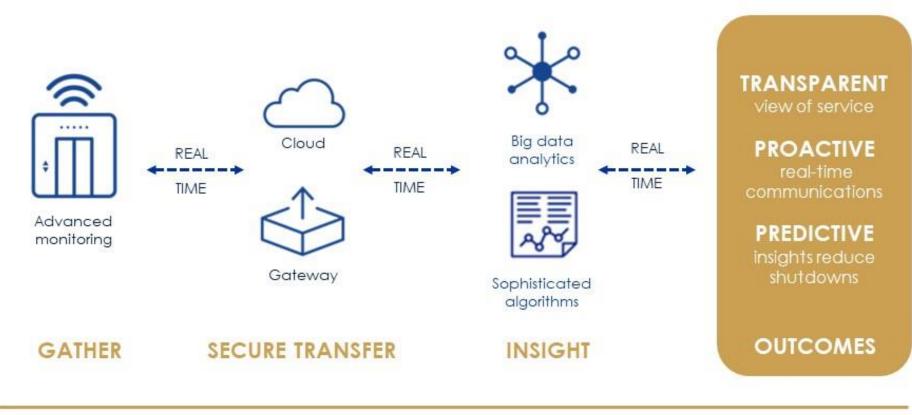








Turning data into outcomes



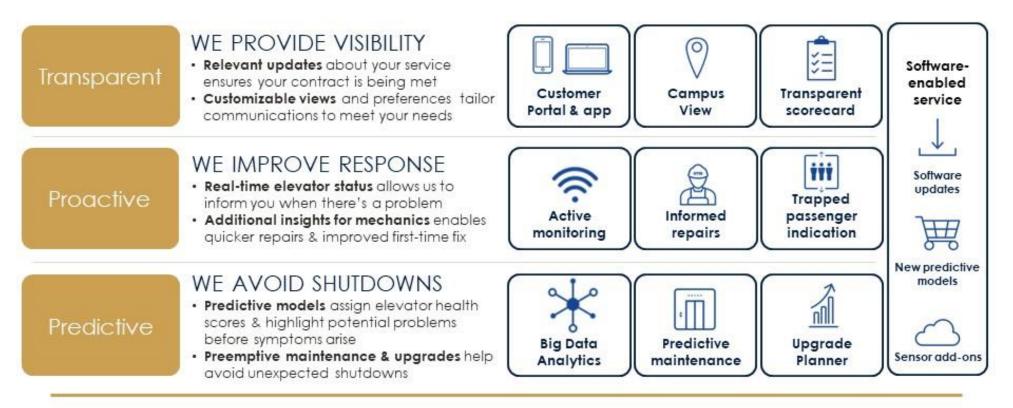






PIOT CONNECTED SYSTEMS

Personalizing your service experience









API developer portal capabilities



Real-time use cases

- Share work orders between back-end systems
- Create purchase orders and pay invoices
- Share maintenance information
- Elevator status and event monitoring







OTIS

☆ IOT CONNECTED SYSTEMS

Revolutionizing connectivity

POWERING PROACTIVE & PREDICTIVE MAINTENANCE

Leading innovator of Remote Elevator Monitoring (REM)

Over 300,000 connected elevators worldwide

Driving the future of connectivity through predictive maintenance

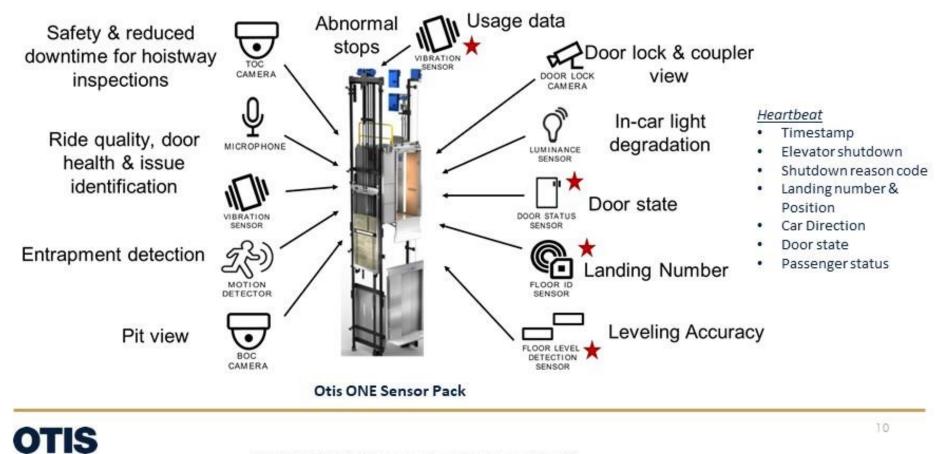




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Sensors for elevators







COMPREHENSIVE HEALTH MONITORING

Collecting data from 330,000 connected units

Machine learning to predict and identify which parts may need servicing and when

All results in more proactive service and increased uptime for you



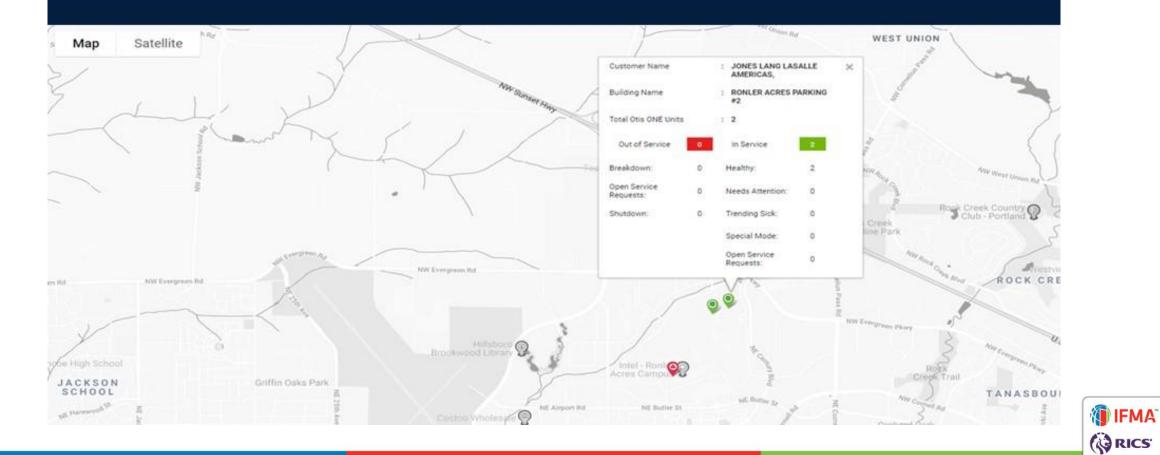
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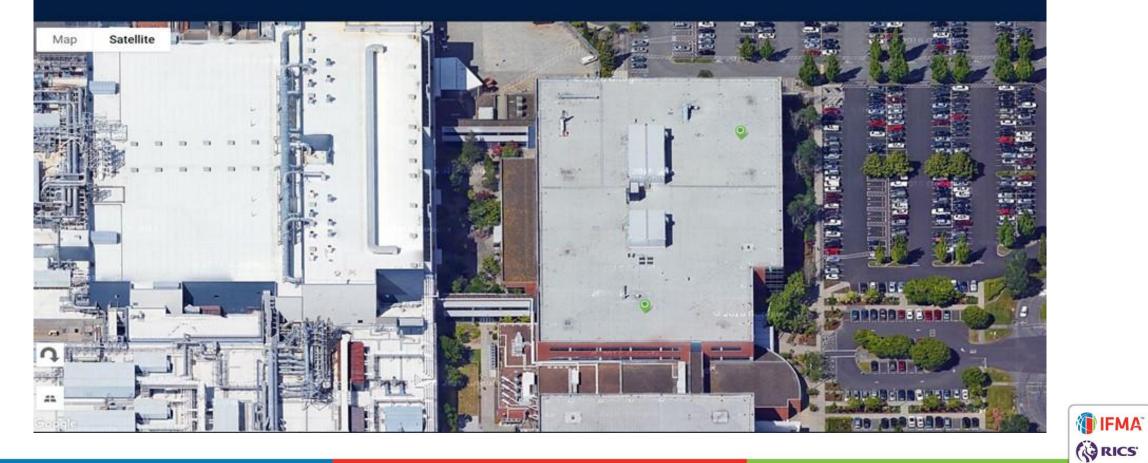


The connected systems Otis ONE CAMPUS VIEW

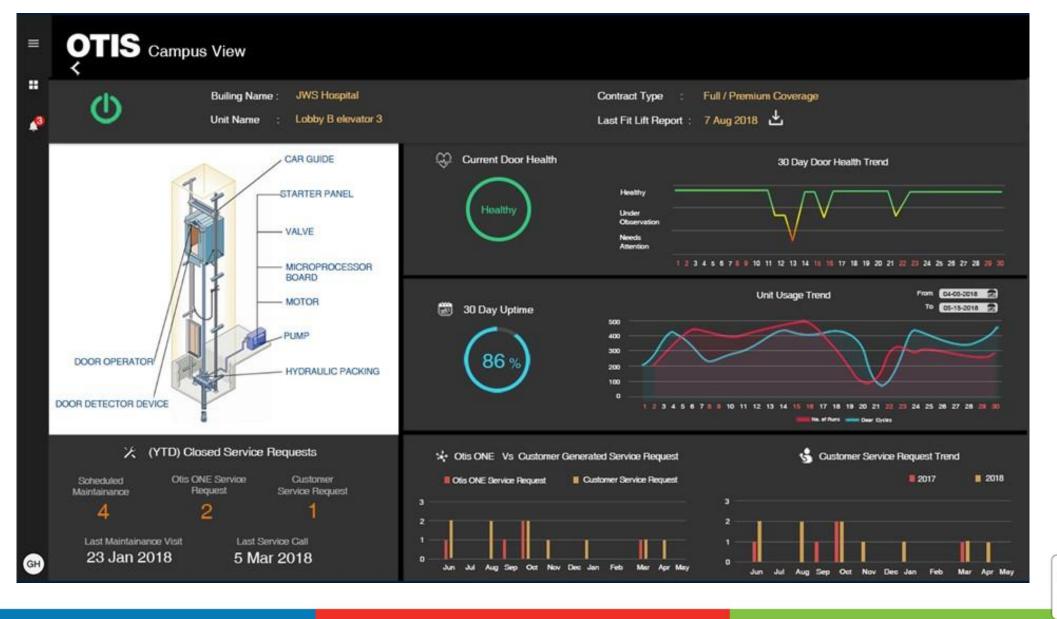




To the connected systems Otis ONE LOCATION IN BUILDING

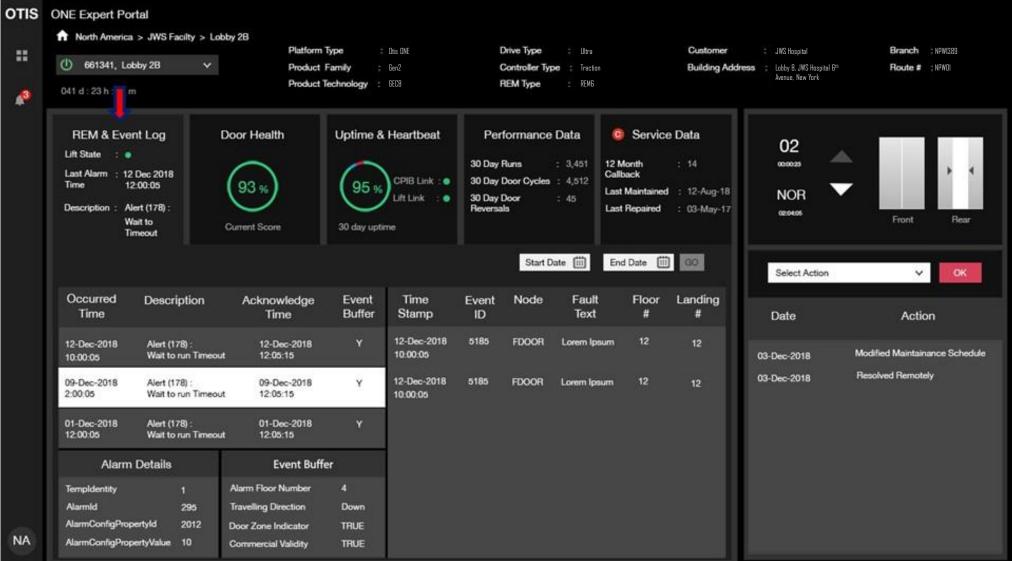






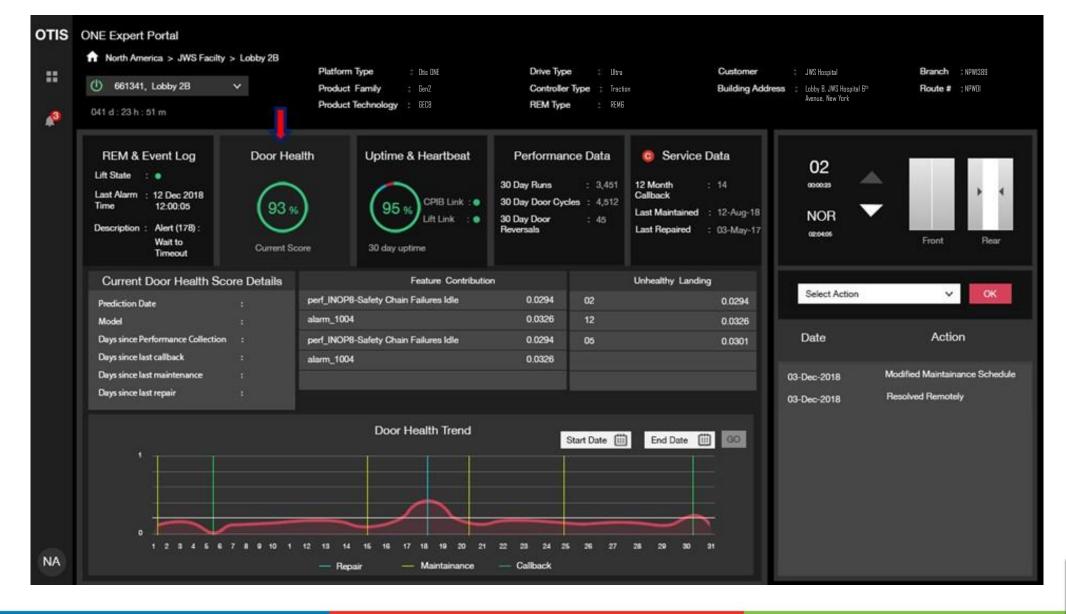






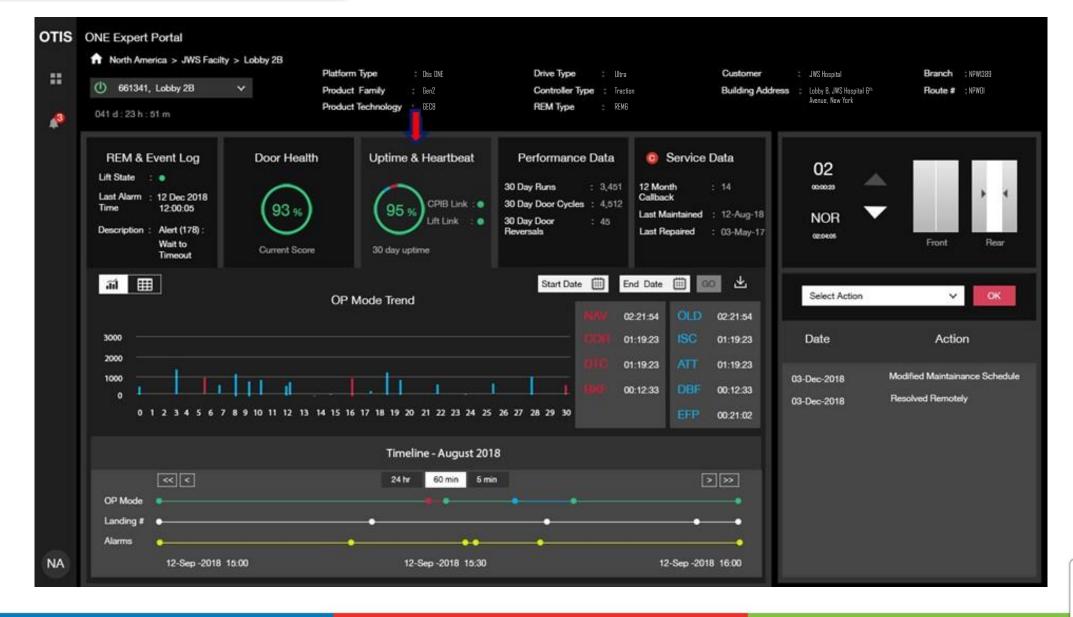
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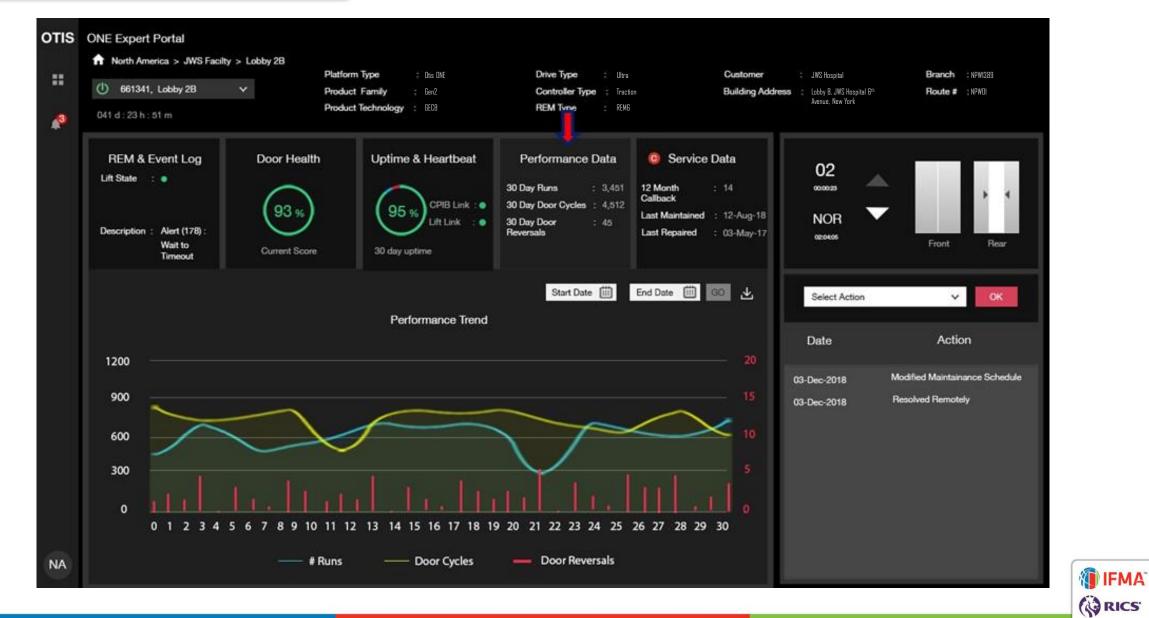






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What if you could unlock more value?



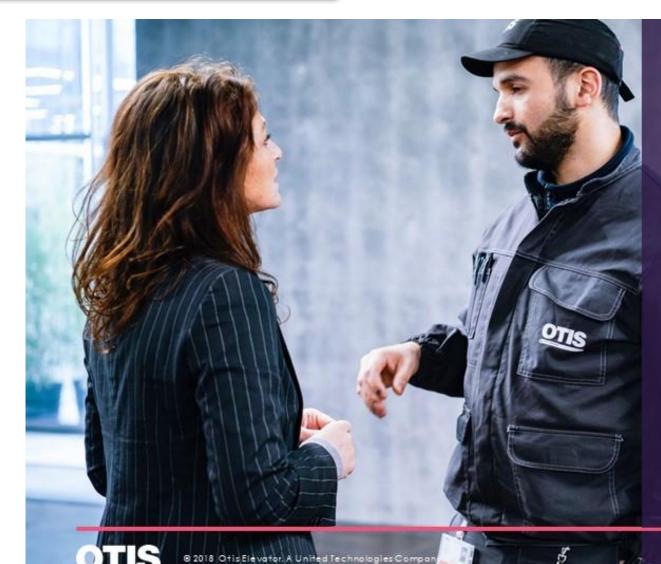
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Unlock value for the facility manager

PRIORITIES:

- ACTIVE MONITORING
- MAXIMIZING UPTIME
- MINIMIZING DISRUPTION
- REDUCING WAIT TIMES







Empower your facility manager

- SCHEDULE DELIVERIES AND MOVES
- ANTICIPATE HVAC NEEDS
- STAFF SECURITY







