BLD323807: Autodesk Facilities and BIM 360 Ops How we Integrated Our Systems and Why

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Global BIM 360 Ops Coordinator



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- Enter your email address and join the portfolio AU2019.
- Confirm your email address and enter a phone #
- You are now an occupant of this portfolio
- Add tickets with questions, comments, feedback etc.!
- Create your own portfolio and start managing your own building.





Autodesk Facilities and BIM 360 Ops How We Integrated Our Systems and Why

This class will provide insight into how and why we took our everyday systems and made them talk to BIM 360 Ops software. Building owners will gain an understanding of what systems worked well, what didn't, and what we hear from our users that drives our decisions.





About Me!

I'm Jess

And I'm the Global BIM 360 Ops Coordinator for Autodesk based out of Boston, MA. While my role is multifaceted, my primary responsibility is providing technical support to Autodeskers using BIM 360 Ops and maintaining the Autodesk BIM 360 Ops portfolio.

What is Autodesk BIM 360 Ops?

- Easy to use, mobile-first maintenance management solution with web and mobile clients
- For maintenance managers, technicians, and building occupants
- Connects **BIM** asset data to the people who need it most, when they need it, where they need it
- Creates actionable tickets from building sensors
- Provides indoor maps to locate tickets and assets, do wayfinding for technicians, and enable more effective ticket triaging and analysis



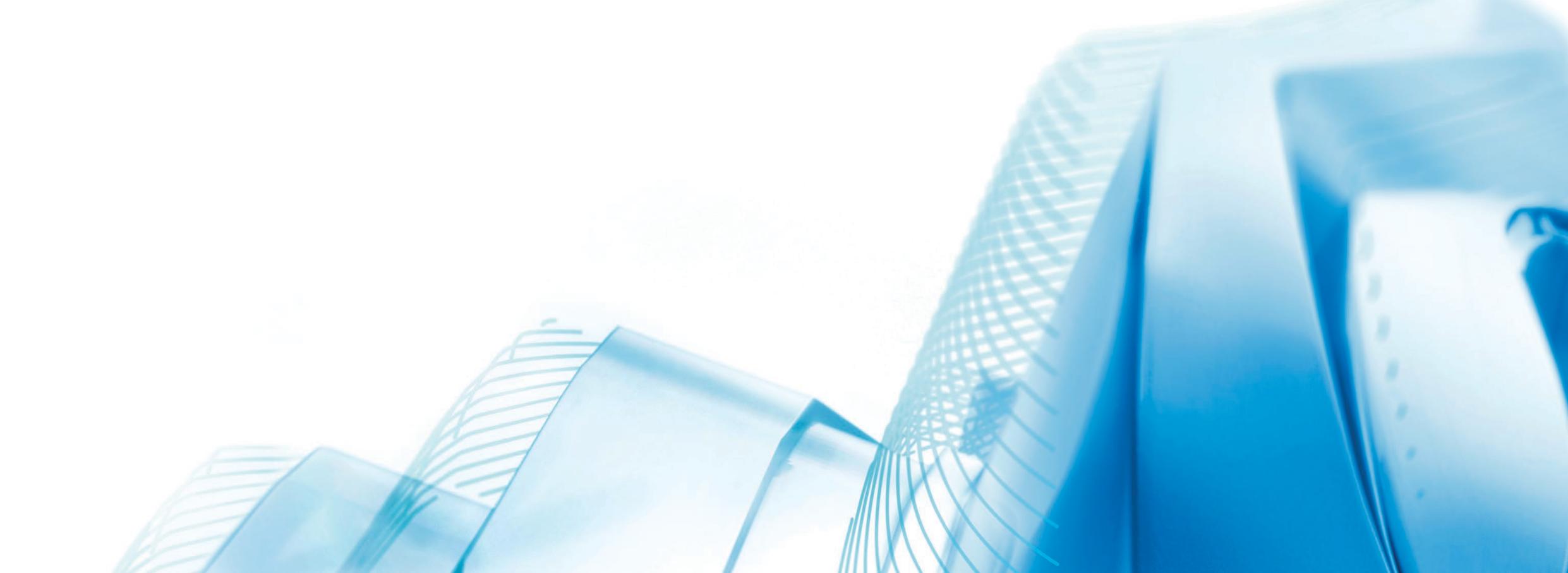
What Are the Benefits of BIM 360 Ops?

- Enables owners to begin operations on day one with a turnkey maintenance and asset management solution
- Helps owners realize the operating potential of their buildings and reduce expenses from unmaintained equipment
- Offers a simple and elegant mobile and responsive web interface that meets the needs of the mobile maintenance workforce
- Improves the facility team efficiency by delivering indoor maps that make ticket and asset data immediately actionable and contextually relevant

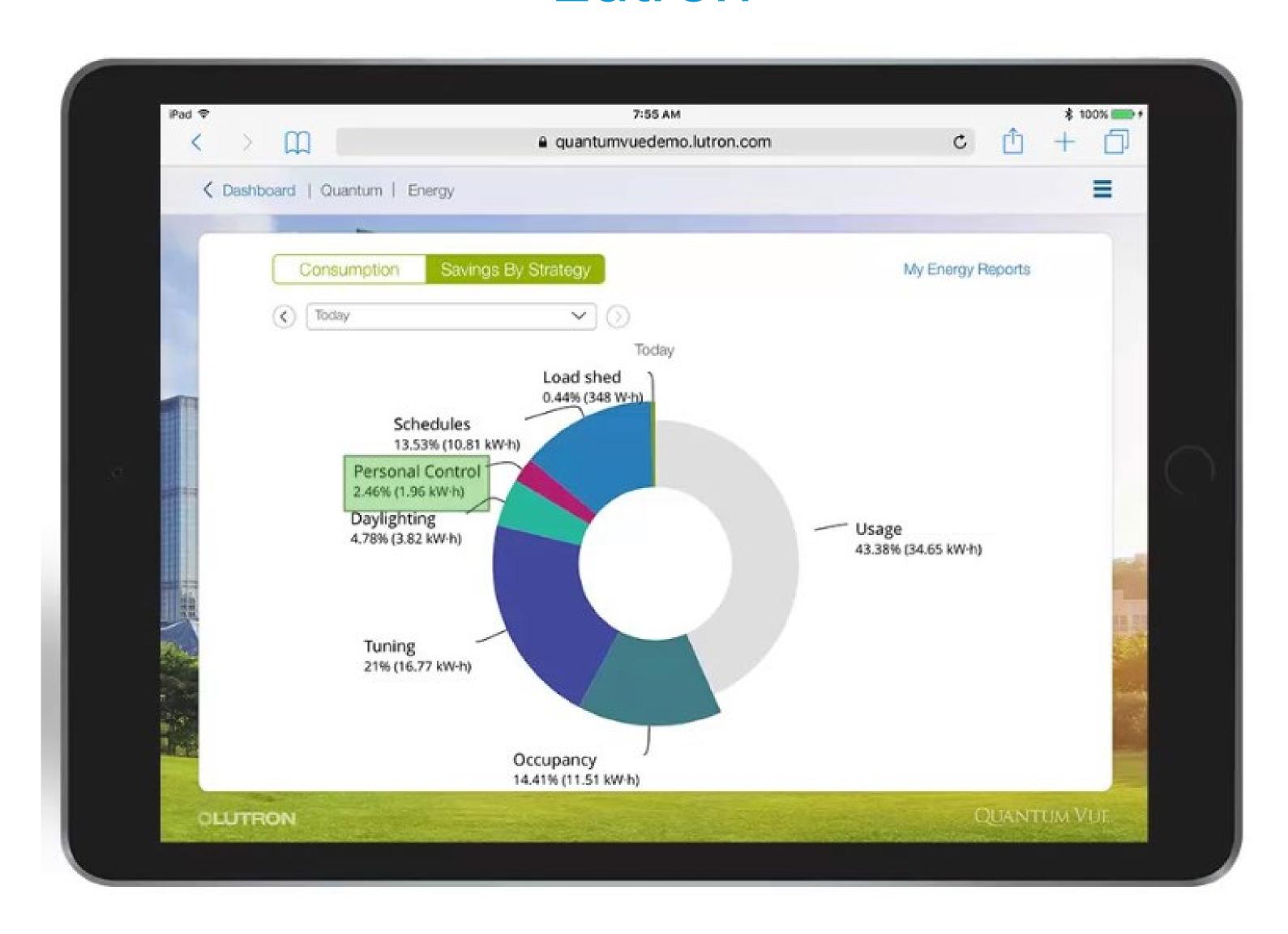
BIM 360 Ops Classes at AU 2019

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BLD322234	Getting Started with BIM 360 Ops	Tuesday 1:30
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BLD322830	How to Write an Awesome Facilities Management Data Specification	Thursday 2:45

Systems Talking to BIM 360 Ops



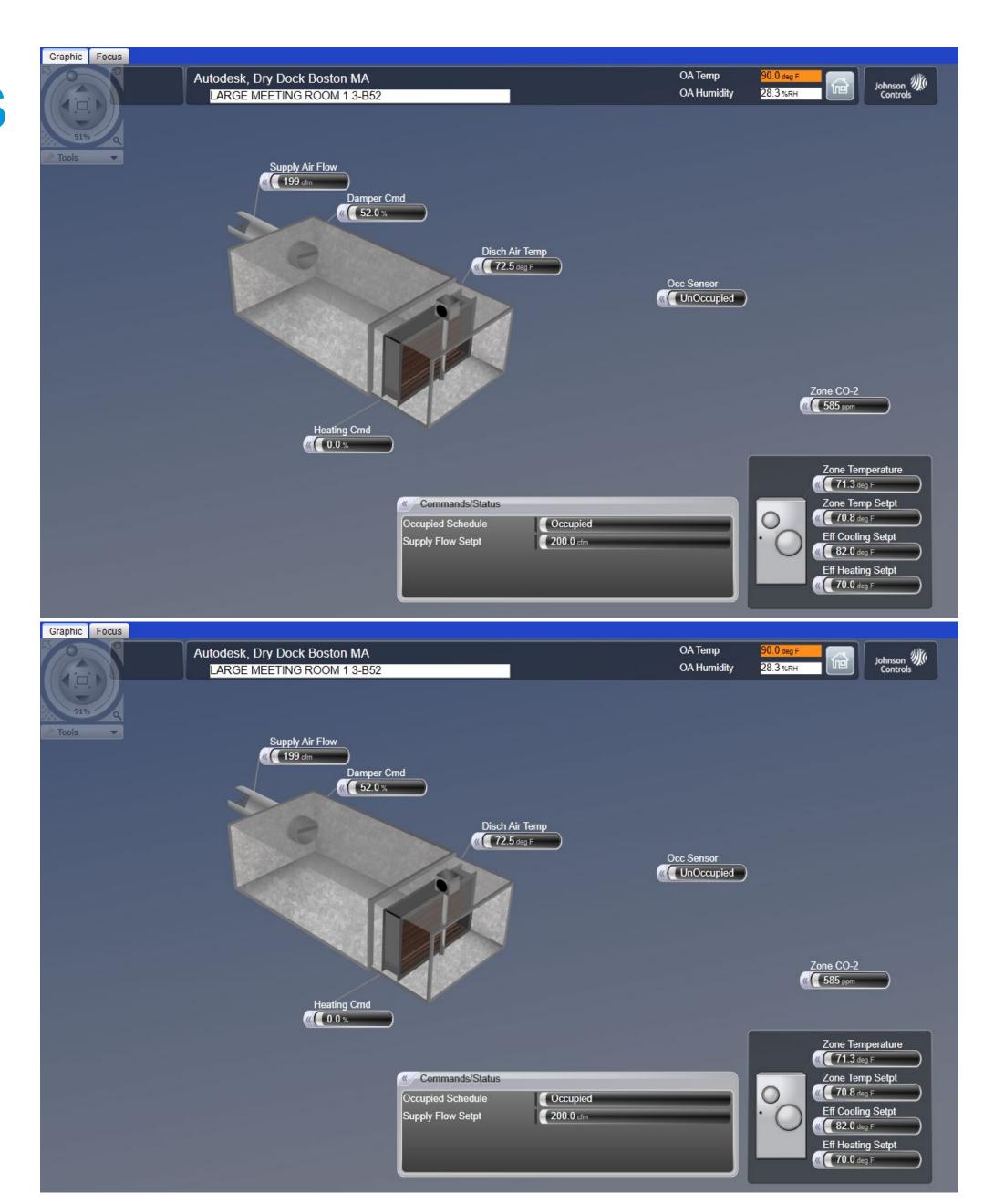
Lutron



Metasys

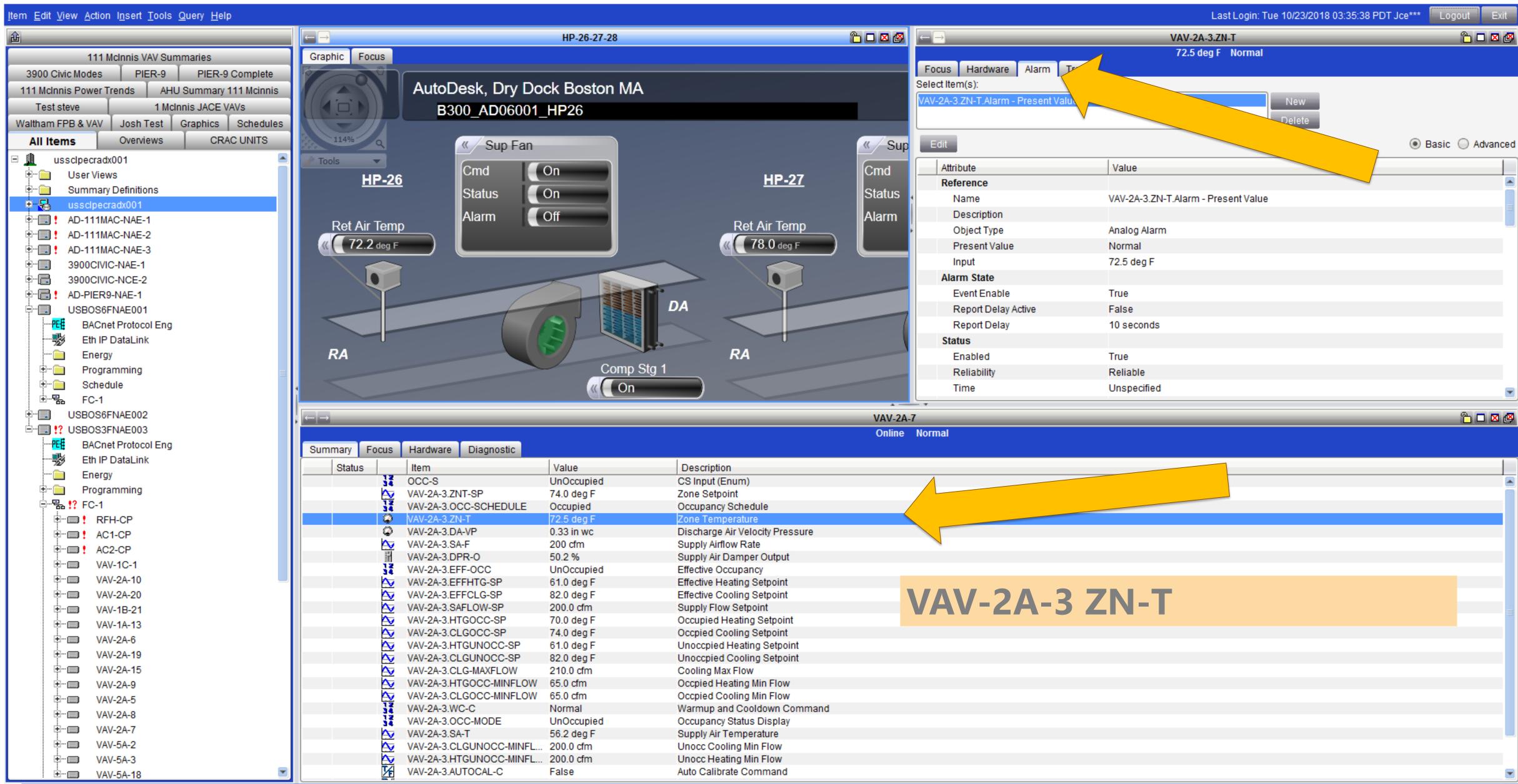
- Chose only critical heat pumps and alarms
 - Pumps that serve critical rooms
- Alerts the whole team of the issue → faster response time

Blog post
 https://bim360ops.autodesk.com/blog/how-to-send-metasys-email-alarms-to-bim-360-ops

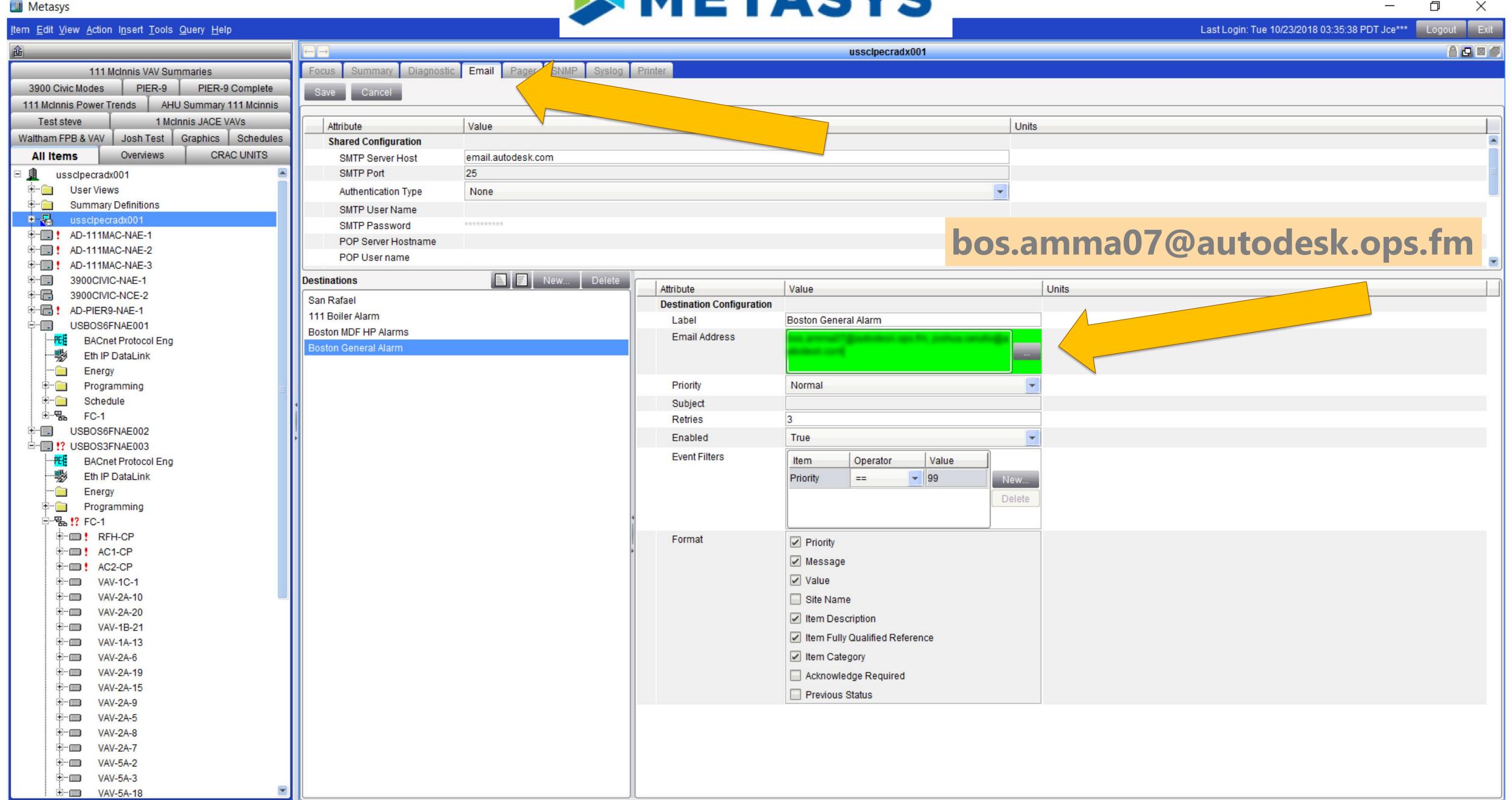




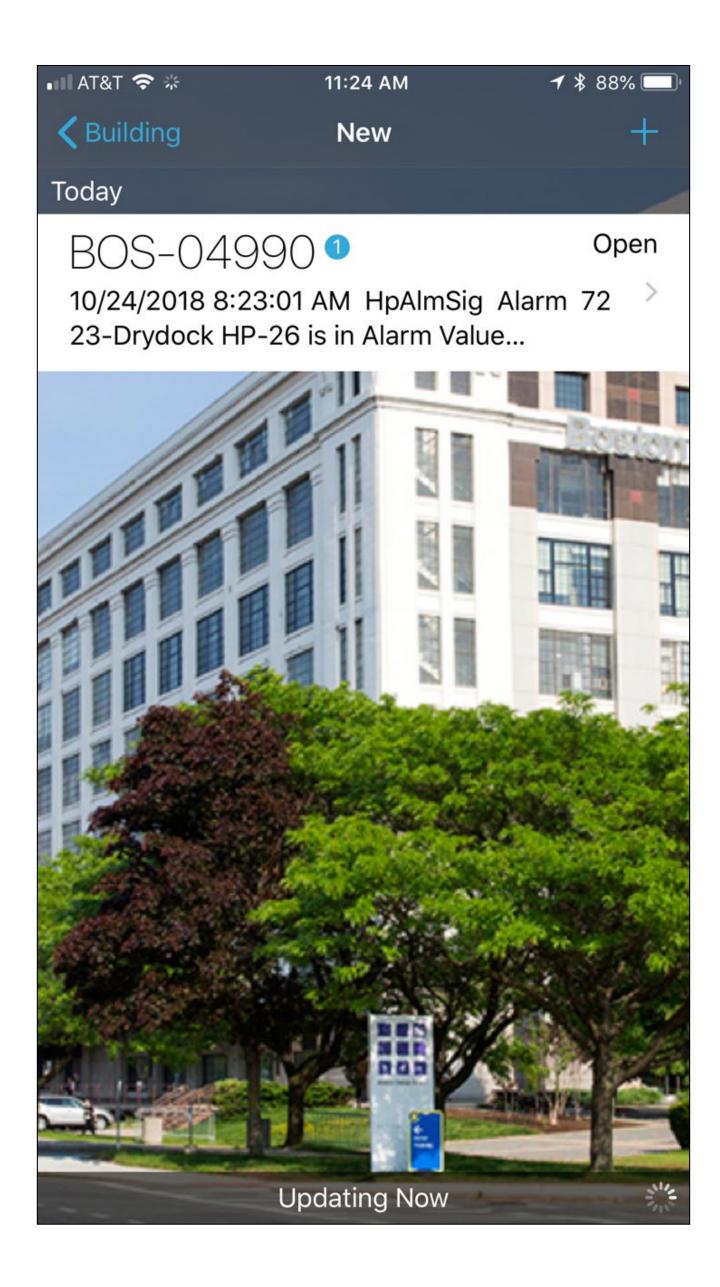


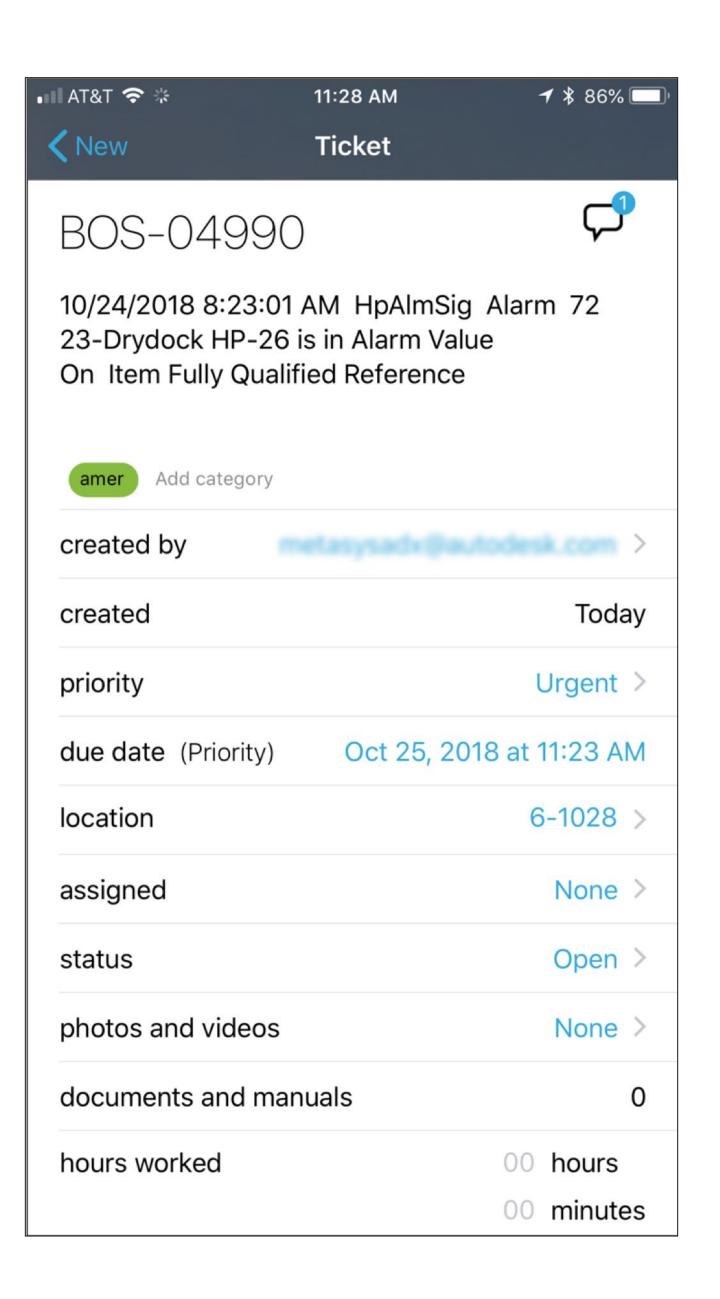




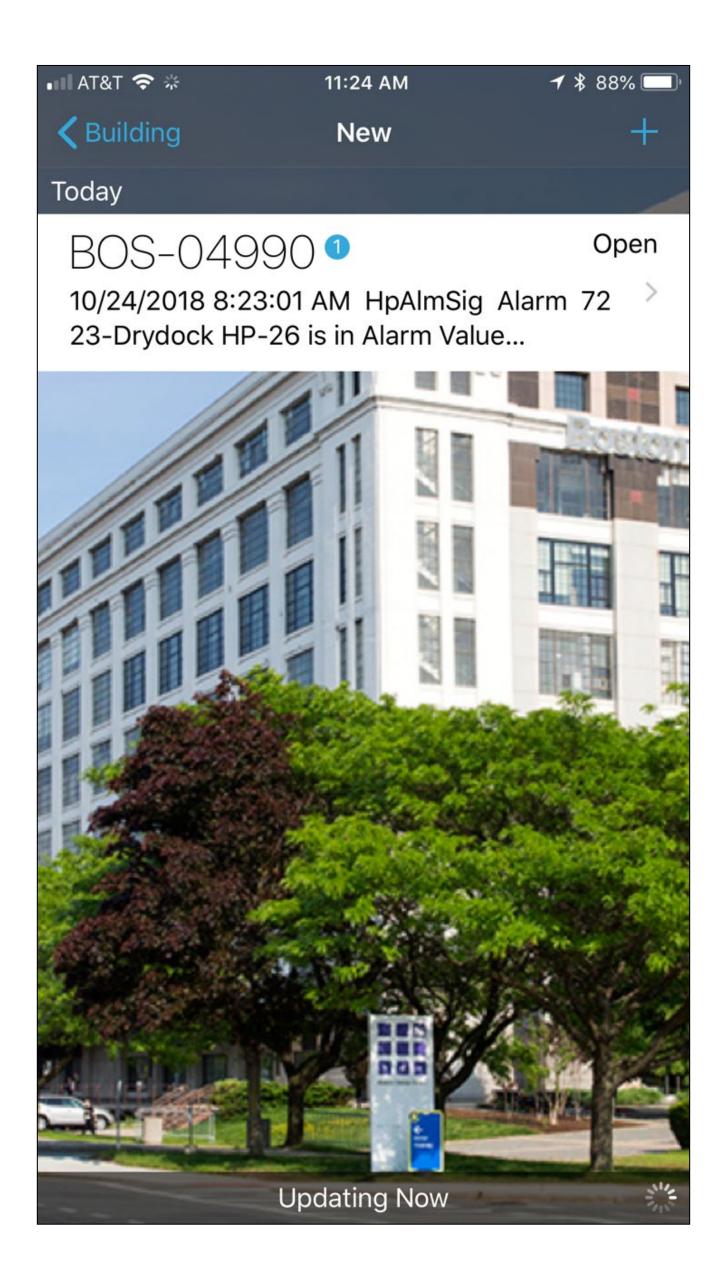


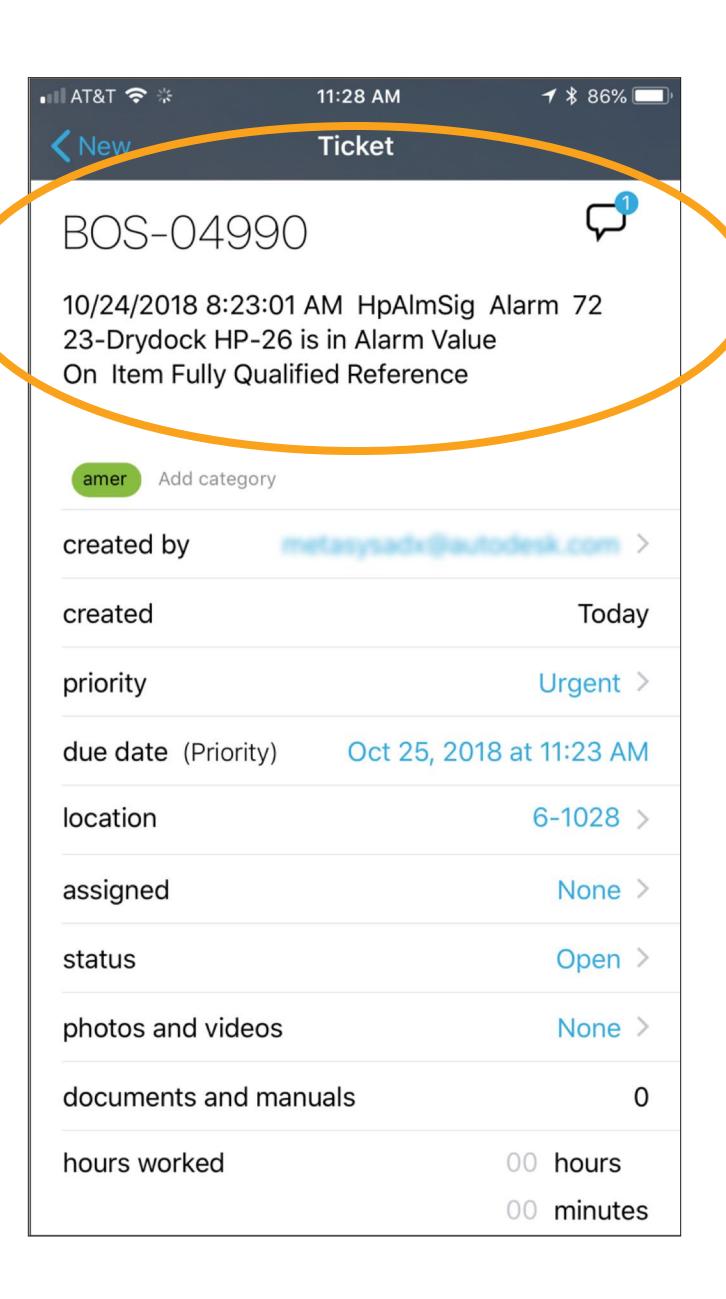






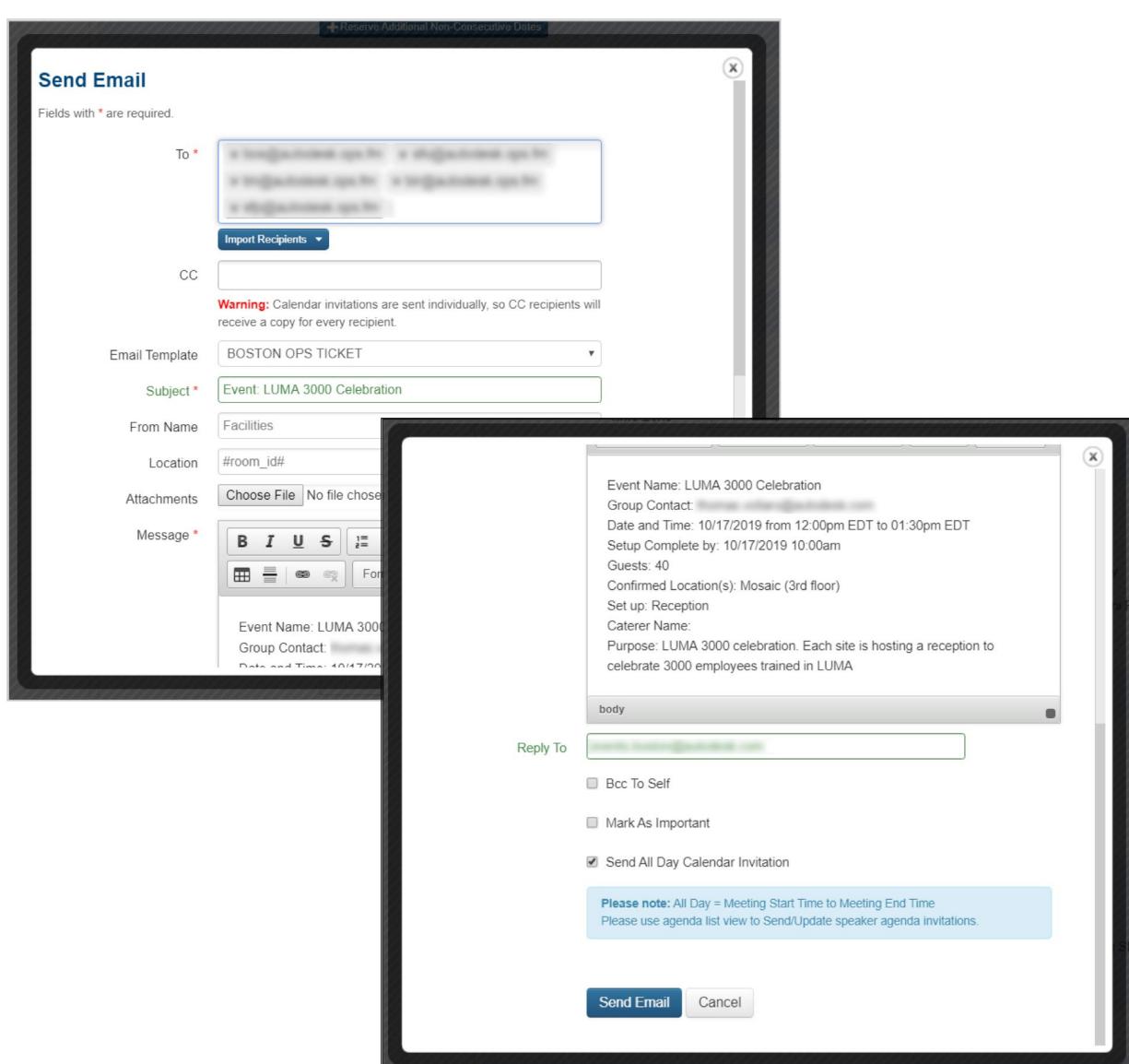






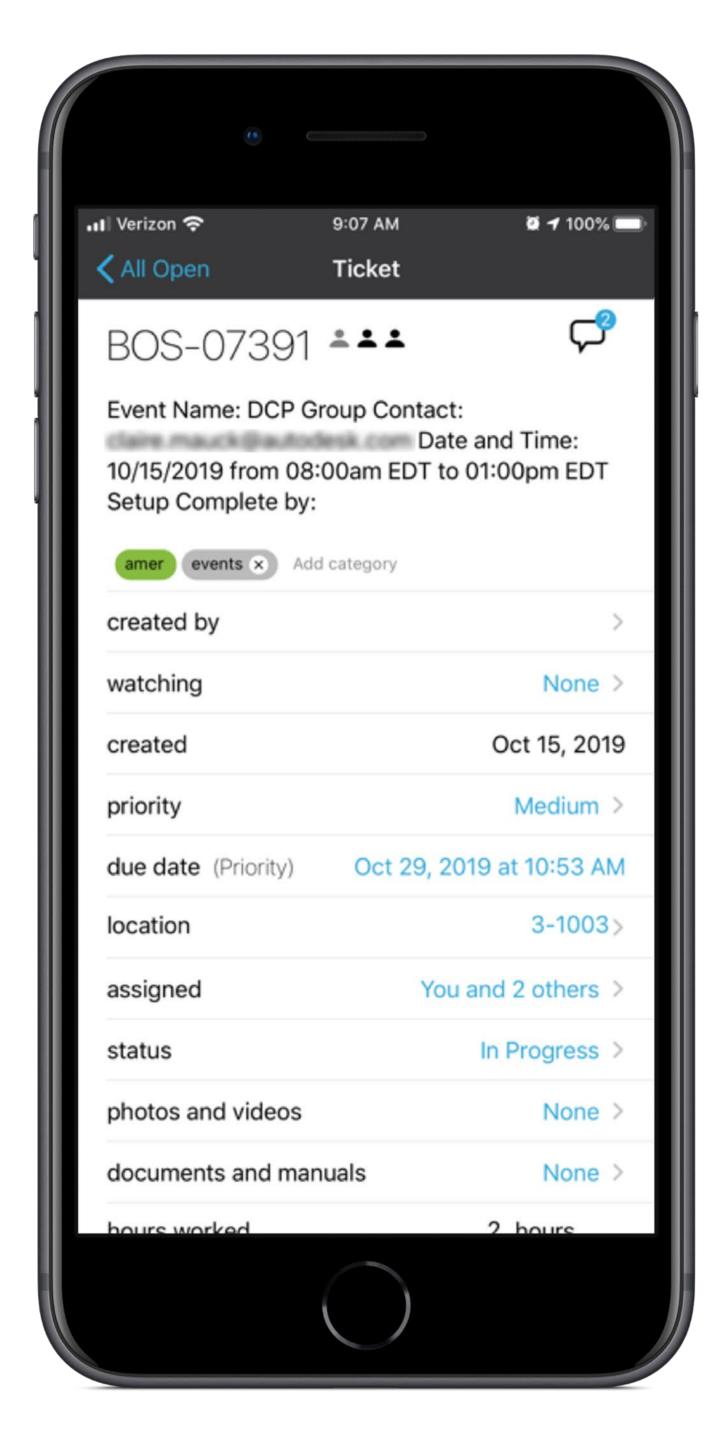
Briefing Source

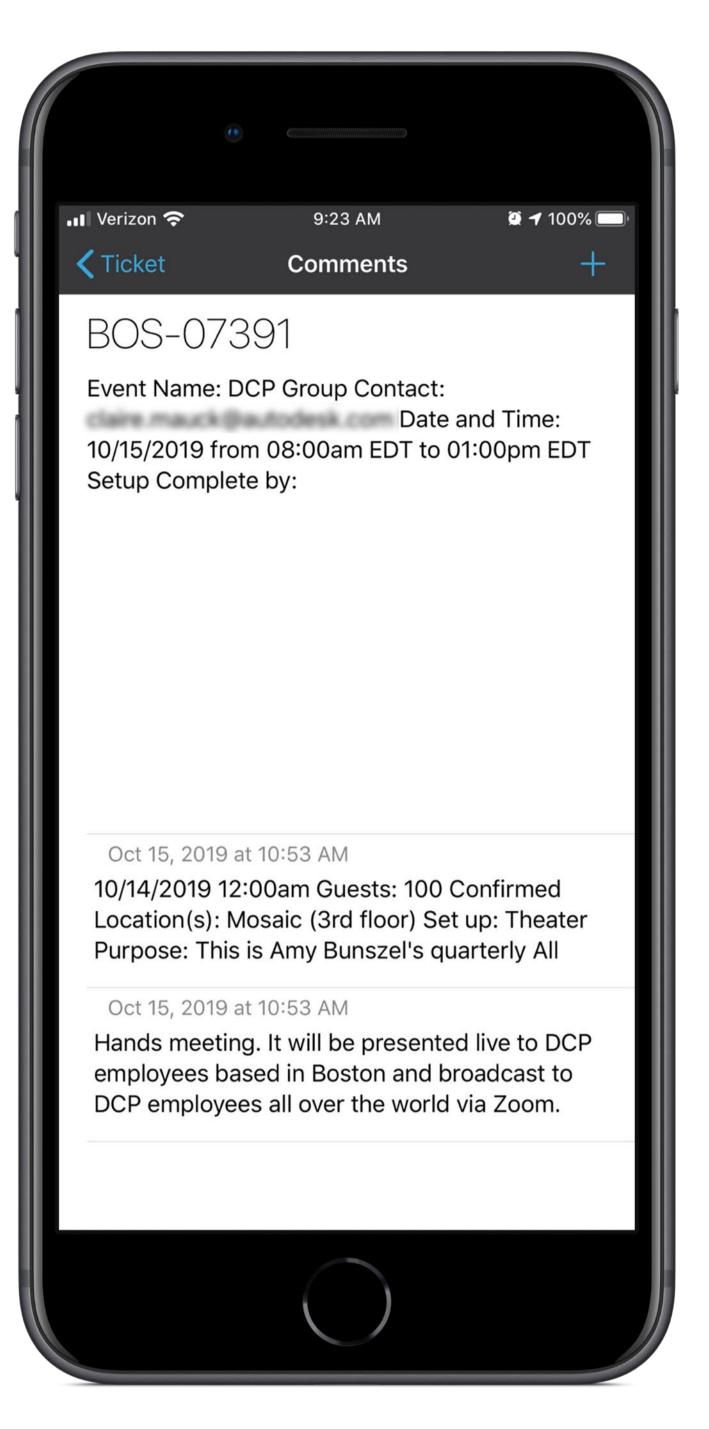
- Briefing Source is used for managing meetings, events, and customer briefings
- Provides custom forms that populate a calendar view
- Used daily by Events and Customer Briefings support staff
- When an event is submitted
 - A confirmation emails is sent to the requester
 - The same confirmation email is sent to BIM
 360 Ops and creates an event ticket for the setup team



Briefing Source

- Instead of filling in the ticket with all the information we only need to fill in:
 - Category
 - Location
 - Assigned
 - Hours Worked
- Check the comments to see a full description of the event



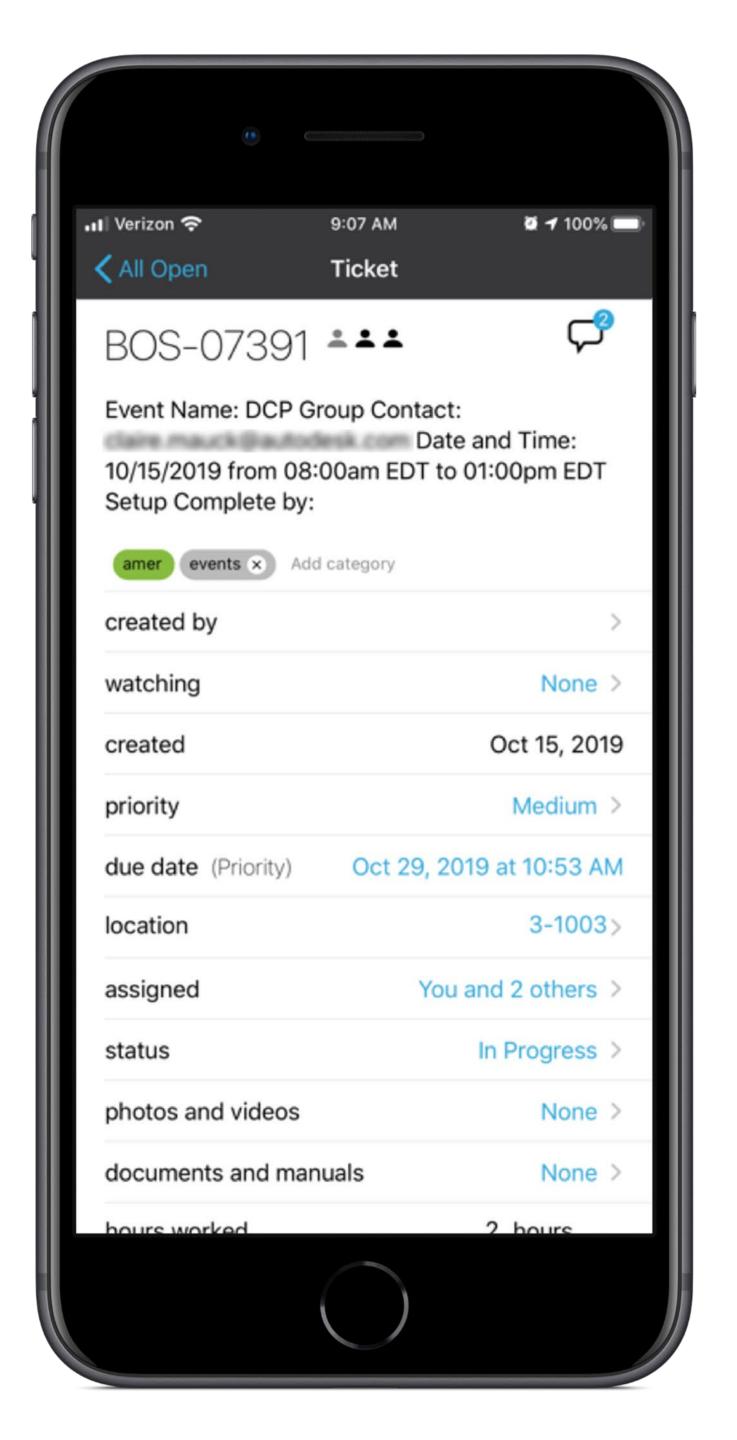


Briefing Source - Time Saved

- As of last week Autodesk had 4380 events tickets YTD
 - Boston alone has 386 Events Tickets
 - Originally: at minimum 5 mins to enter a ticket
 Now: at most 1 min from the time the email is triggered to triaging in Ops

 $4 \times 386 = 1,544$ mins or 25.74 Hours for one location

- Likely hood of miss spelling or miss entering of information goes down → more accurate information for Technician working on the ticket
- Guaranteed that all the necessary information about the event/meeting is in the ticket
- Reduces process delay in getting the information to facilities



Eversys Machine

- Provides the fuel that keeps Autodesk employees running (they would highly recommend it)
- Boston:
 - Has 3 machines, 1 services Customer
 Briefings
 - Average ~100 lbs. coffee/month, 40 gal cold
 brew
- Eversys has an API, but email was easier and cheaper to implement

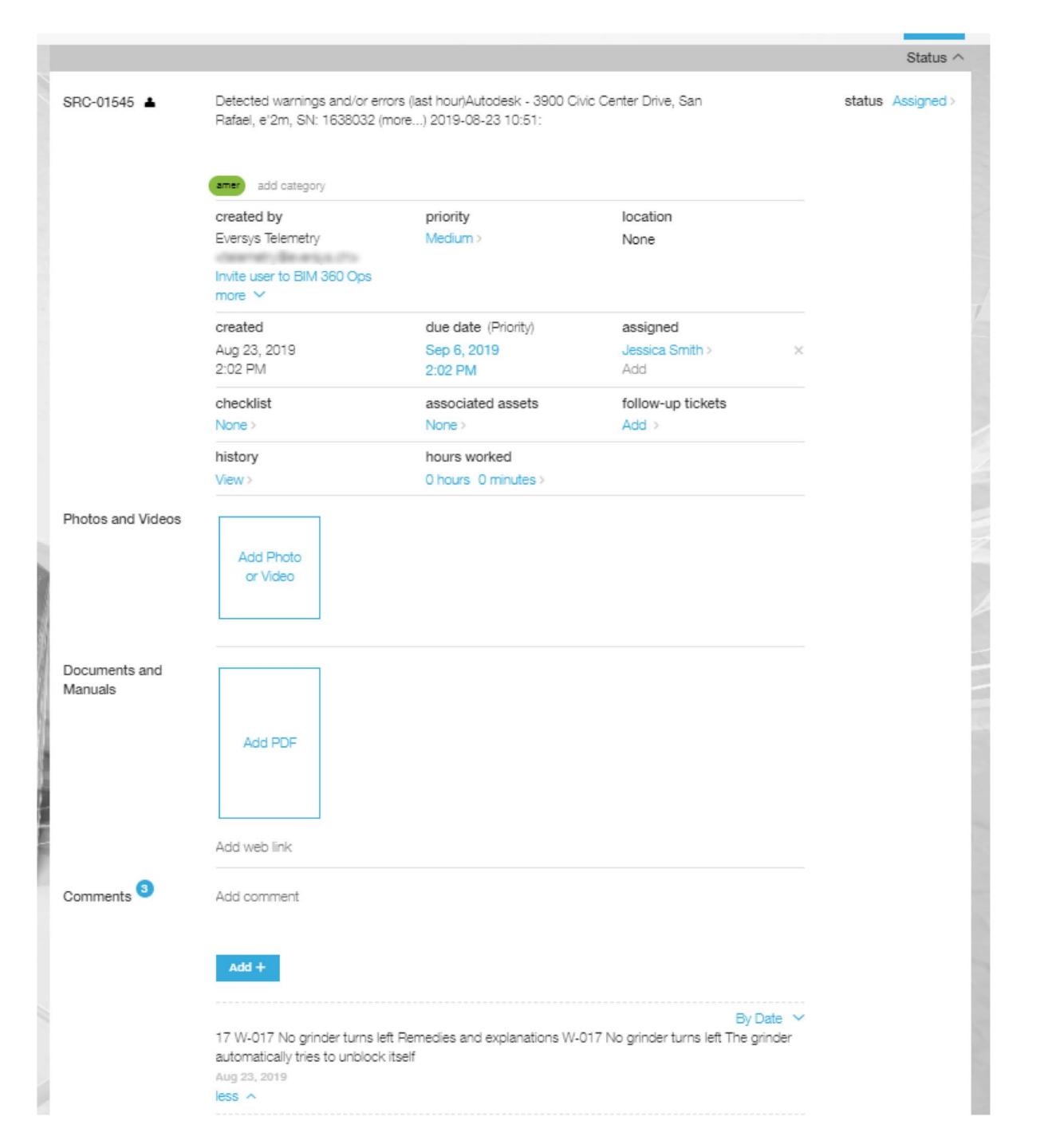




Eversys Machine

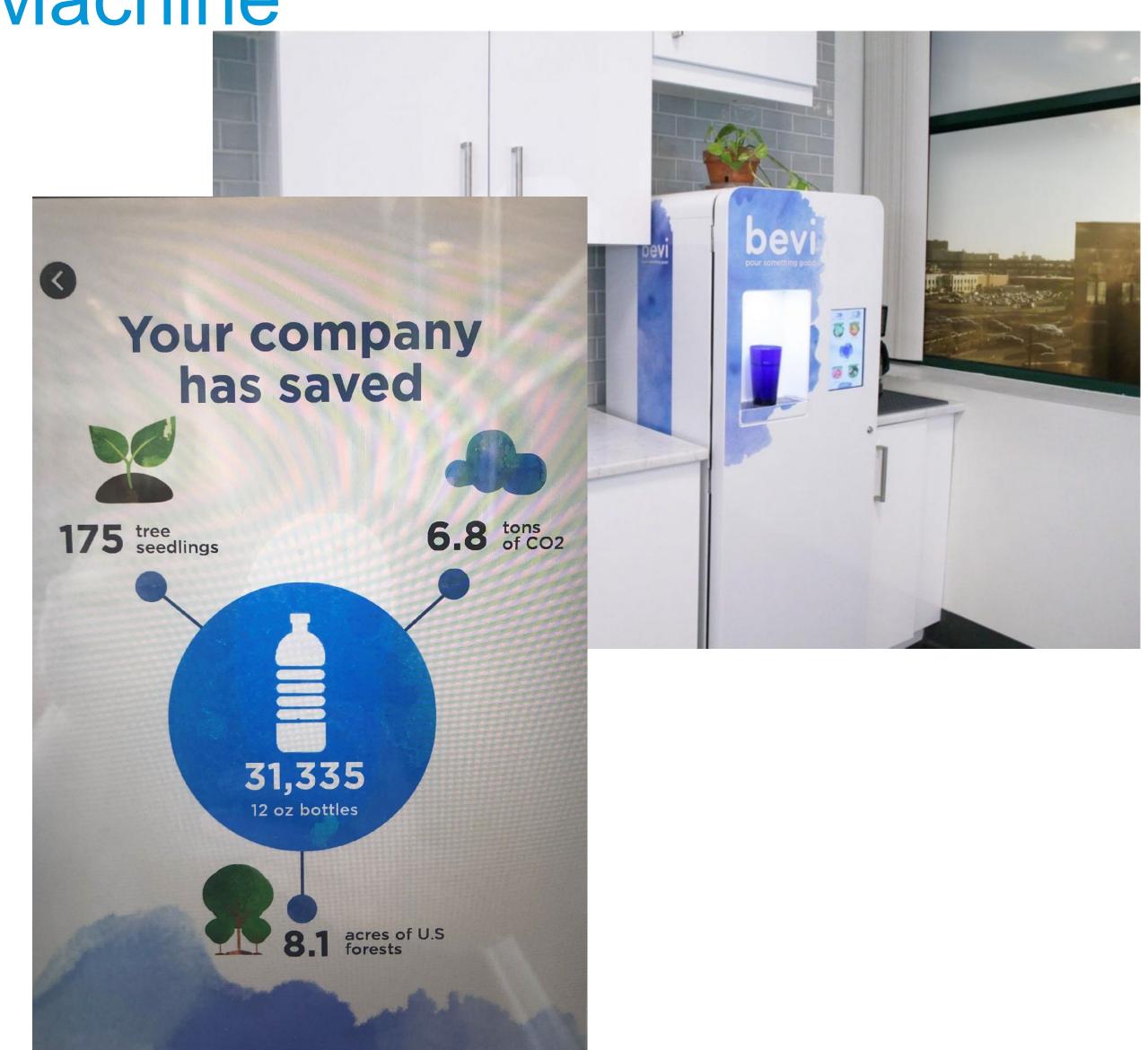
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Eversys Machine



Bevi Machine

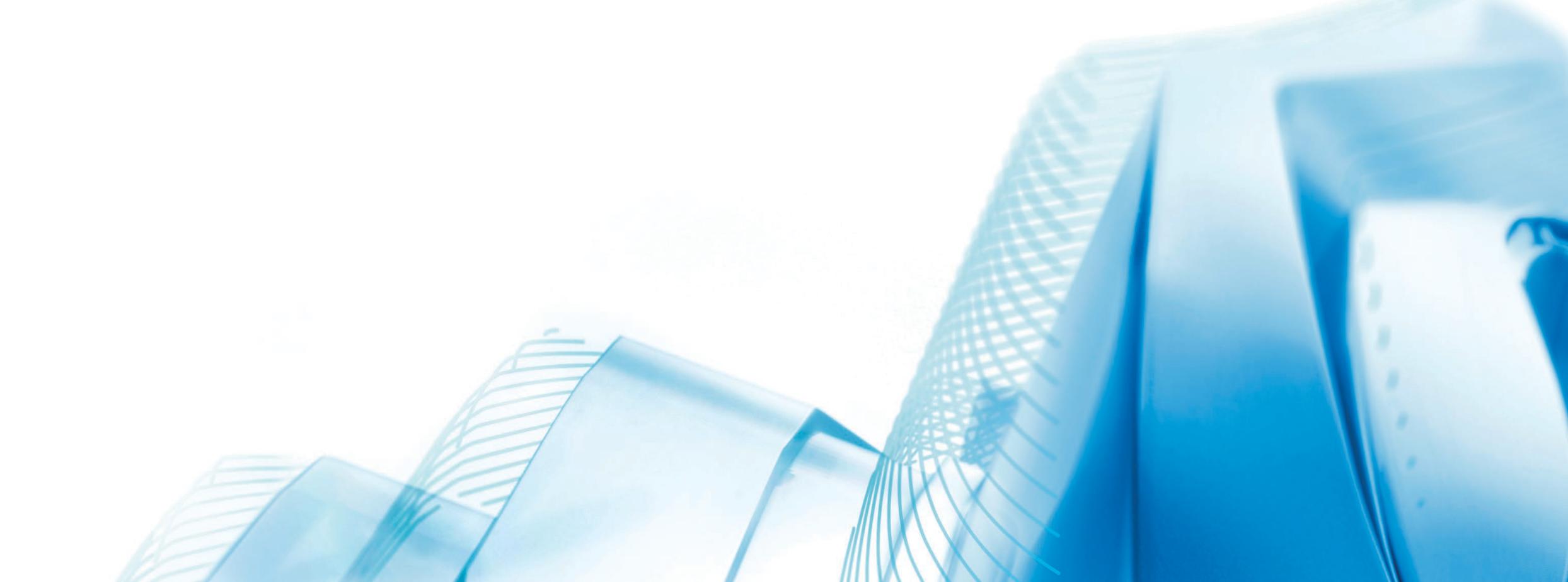
- Bevi Machine is used for
- Notifies us when something is broken or supplies are low
- Assign tickets to the vendor, they are notified via email and/or text messaged
- Why Bevi?
 - We were going through 10 gal CO2 tanks in less than 4 days
 - Went through cases of flavors in just a matter of days
 - Only just installed in September



FM:Systems

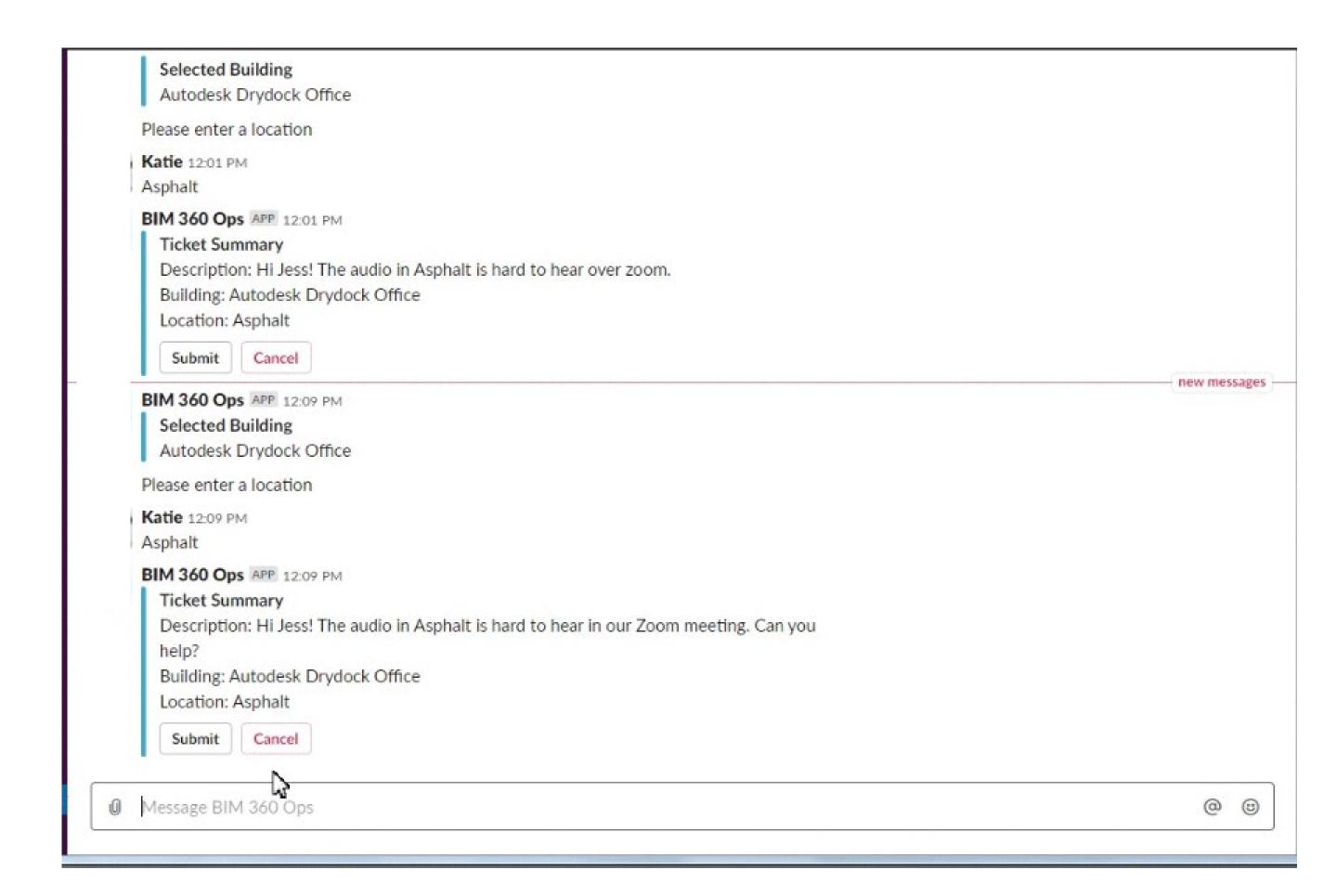
- FM:Systems is used for space management
- Just kicked off a project to replicate the rooms from FM:Systems to BIM 360 Ops every night
- Using the BIM 360 Ops Rooms API
- One-directional sync

Systems Are We Considering



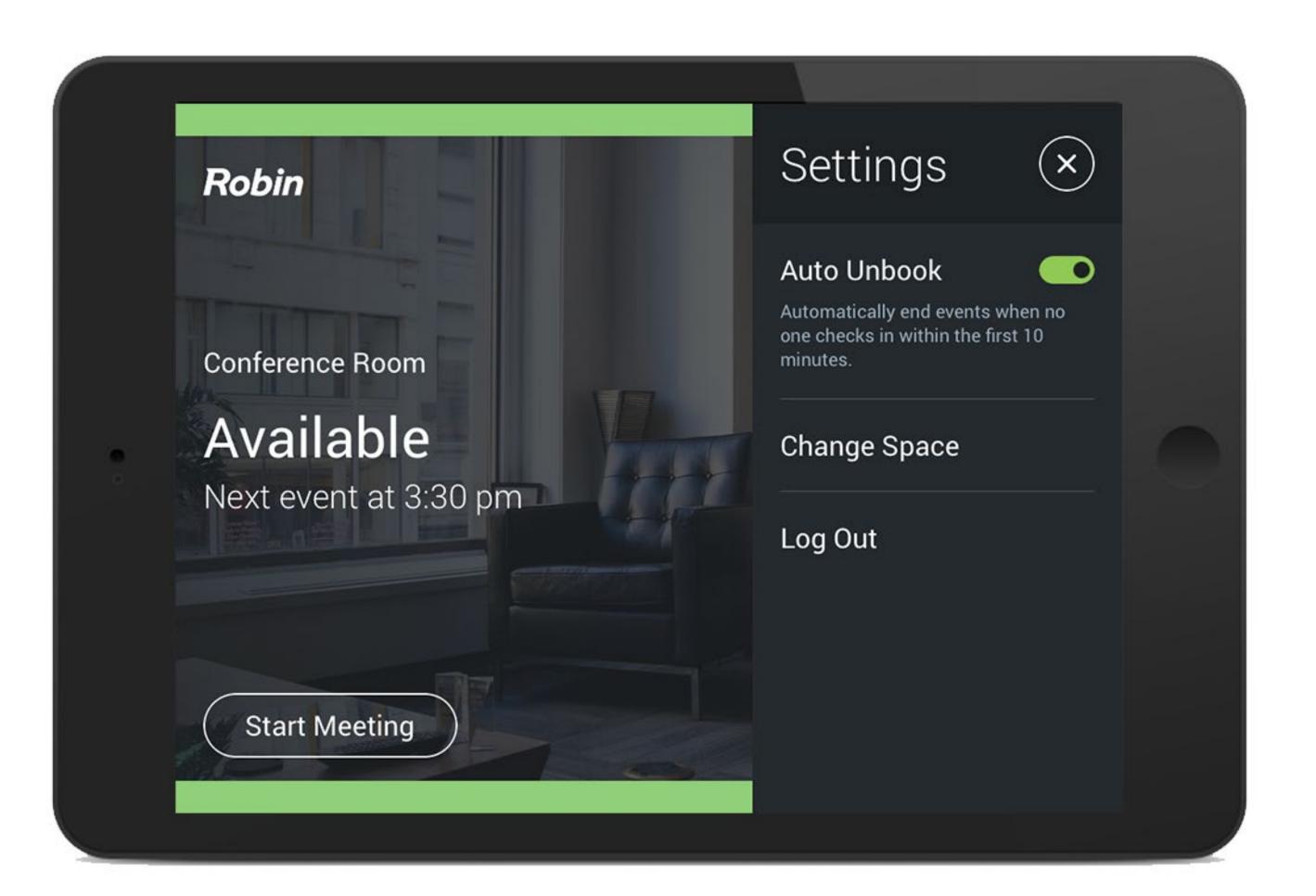


- Bunch-of-Slackers: most of the company is on Slack
- Another avenue to submit tickets
- Prompts Location entry → Saves
 technician time on having to track down
 the issue
- Hoping to increase user adoption so facilities doesn't have to submit ticket on behalf of employees



Robin

- Conference room booking system
- UI is easy and intuitive
- Does connect with Outlook
- This is being considered because it can be integrated with our systems (Ops & Service Now)

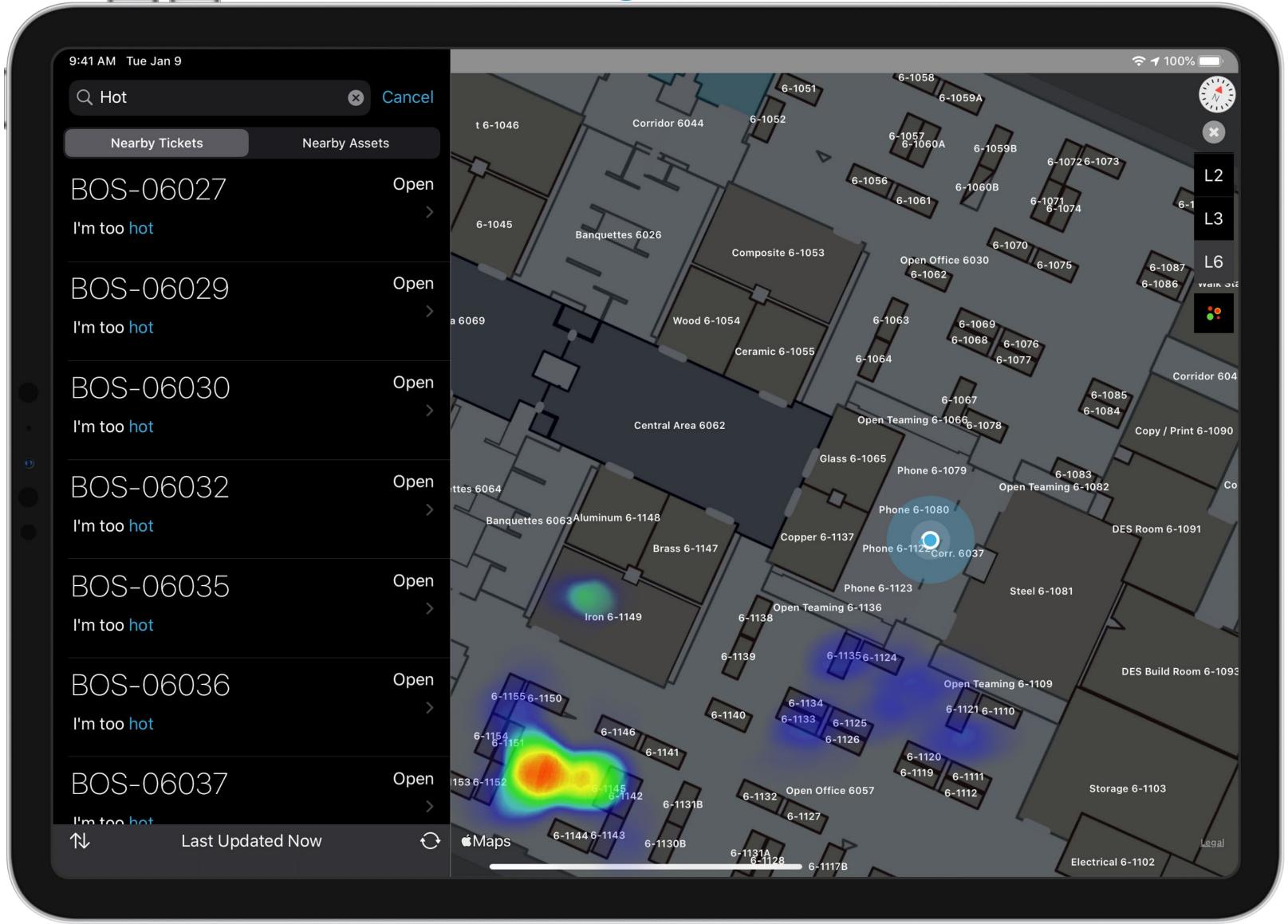


Indoor Maps

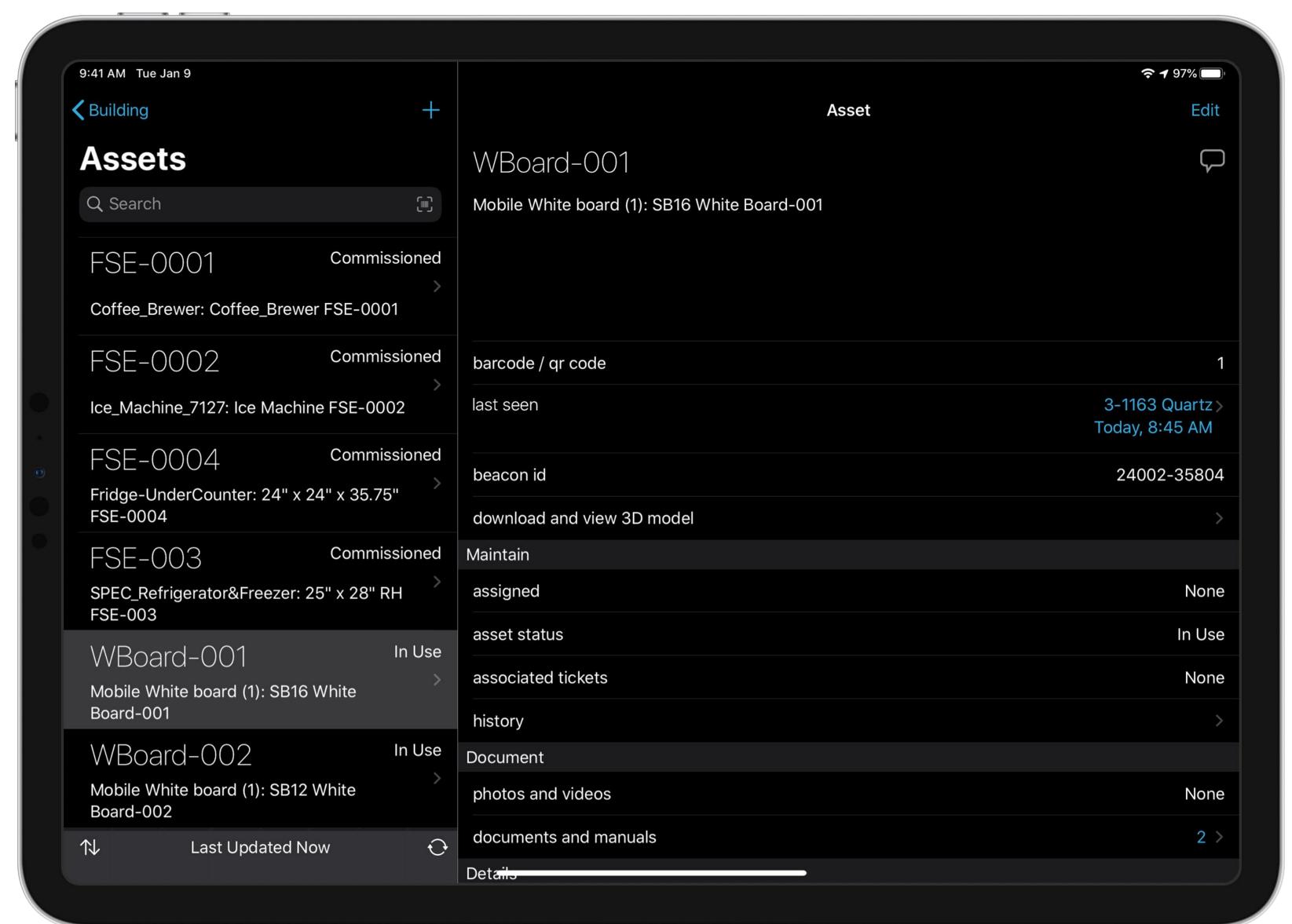
Viewing Tickets



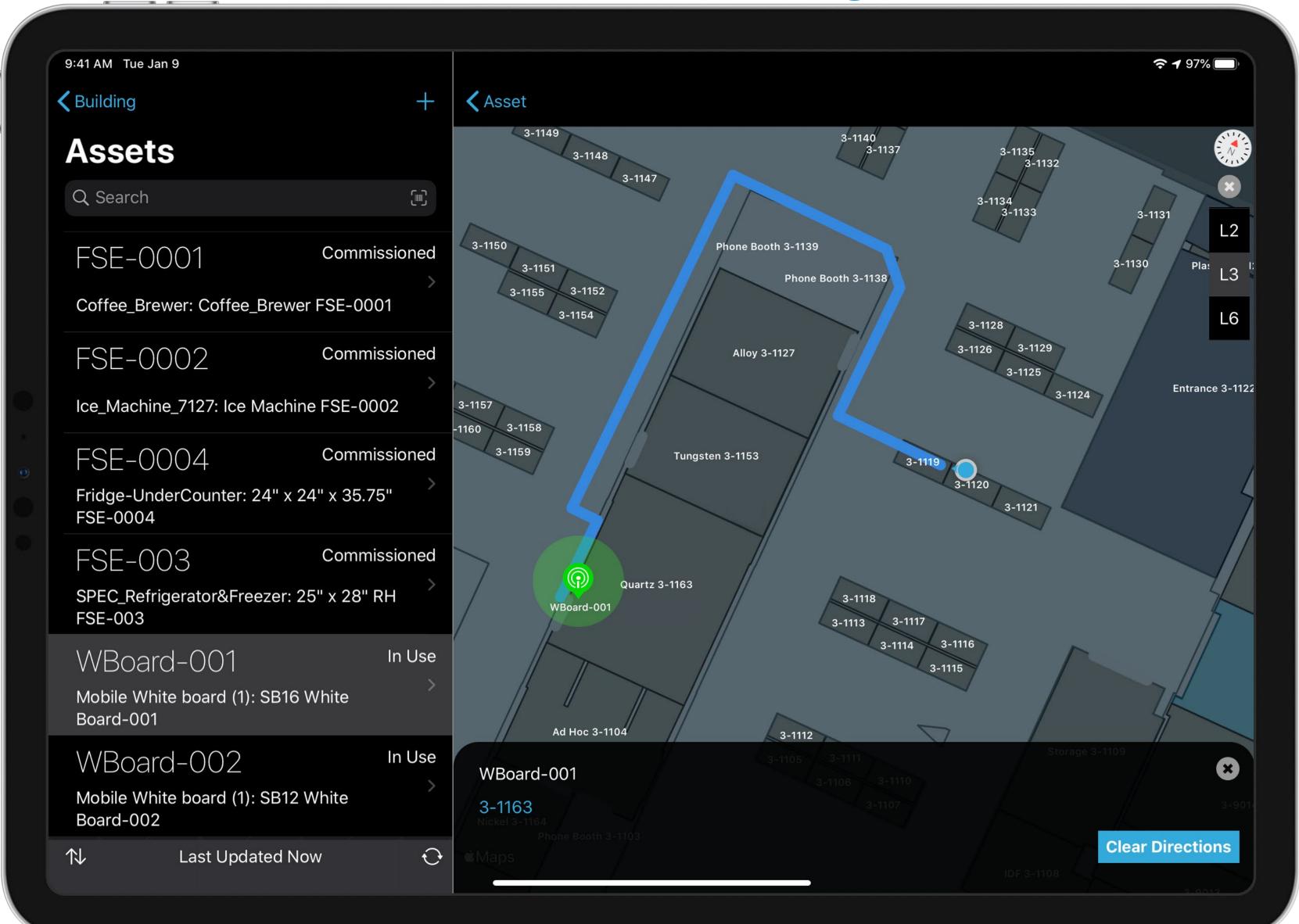
Viewing Tickets



Asset Tracking



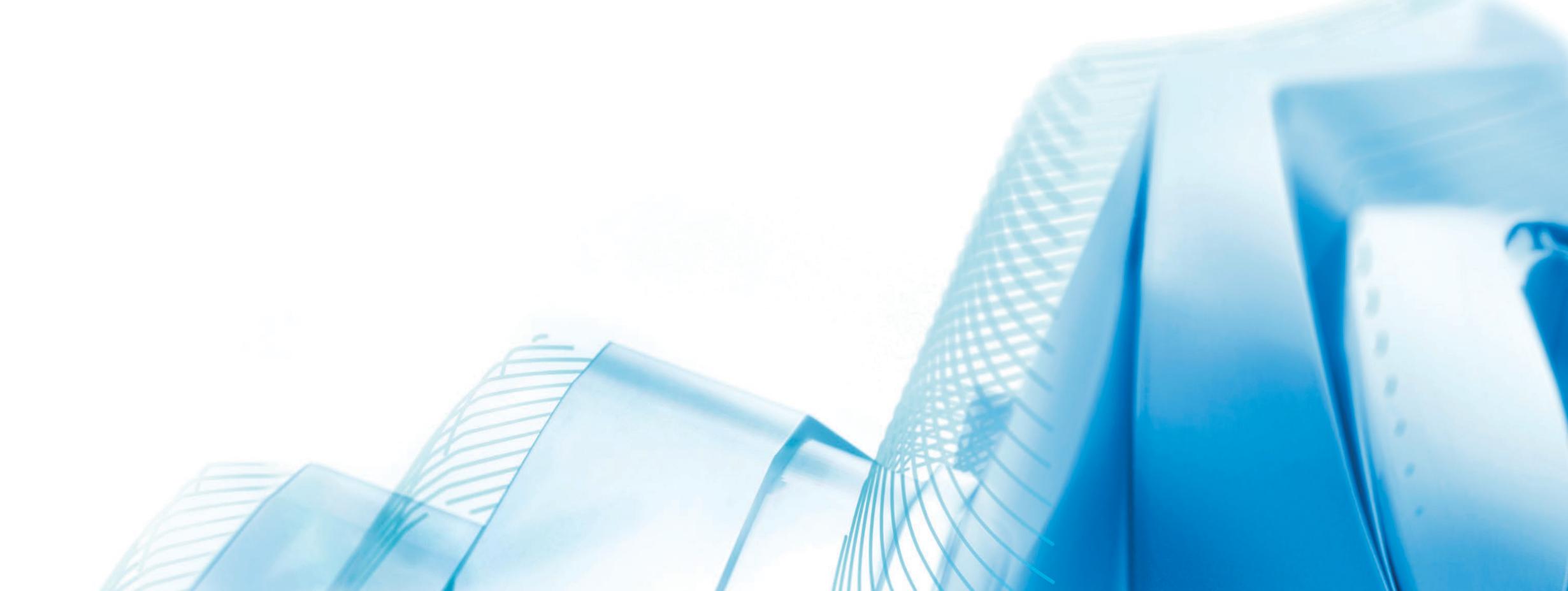
Asset Tracking



iOS Devices & Day Porters

- Beacons use Bluetooth to determine asset's location
- Who walks around the most in Boston? Our Day Porters!
 - Individuals in these roles are often forgotten about but can (and do in Boston) contribute to the locations for mobile assets
 - They have a constant view of the space
- How are they able to help?
 - Provided them with iPods
 - They can submit tickets to Ops
- Ops does translate to Spanish and Portuguese

PMs For Automated Reminders



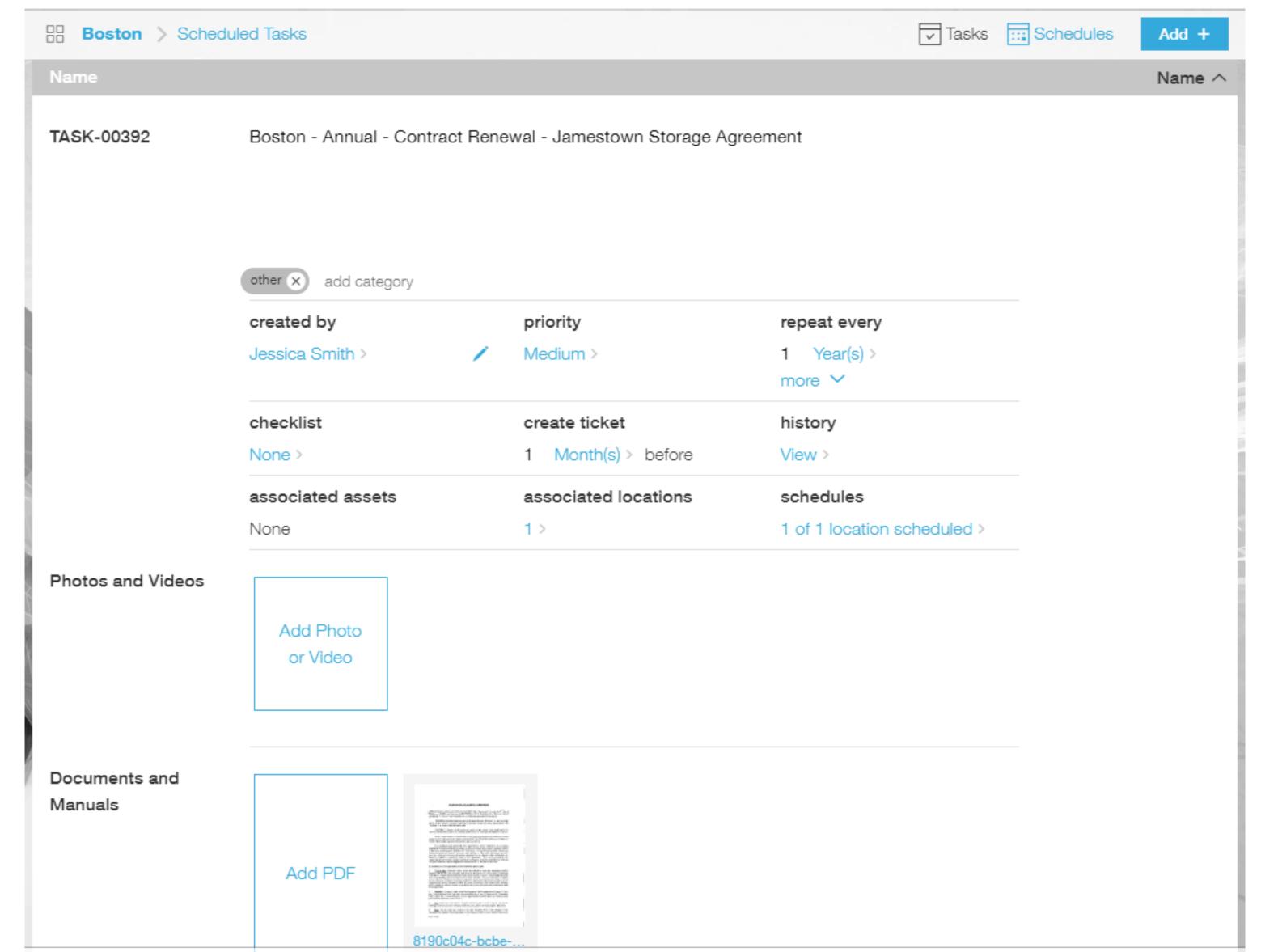
Scheduled Tasks

- Not just for Preventative Maintenance!
- Use Scheduled Tasks as a way to automate reminders
 - Ex: Contract renewals,
 Assembly permits, Fire Drills
- Landlord responsibility? No problem, but we need to check

Name		Name ^
TASK-00262	United Kingdom - 3 years - Waste Contractor Certification Check and Waste Records Review	
TASK-00274	Boston - Annual - Contract Renewal - CityScapes	
TASK-00392	Boston - Annual - Contract Renewal - Jamestown Storage Agreement	
TASK-00475	Boston - Annual - Contract Renewal - Seaport TMA	
TASK-00568	Boston - Annual - Contract Renewal - EDF Energy Services	
TASK-00592	Boston - Annual - Contract Renewal - Restream	
TASK-00599	Boston - Annual - Contract Renewal - ENE	
TASK-00668	Boston - Annual - Contract Renewal - ABM	
TASK-00800	Boston - 3 years - Johnson Controls - Contract Renewal	

Scheduled Tasks

- Some of the benefits
 - We won't forget that we have to renew
 - Can add the documentation to the PM
 - → Assembly Permits
- Don't have to chase down
 documentation, if uploaded to the
 Scheduled Tasks, will be attached to the
 generated ticket.
- We keep the old documentation attached to PMs so we have the history automatically listed on ticket



Time Saved

What did this do for us?

- More time is spent solving problems
- Customers get a faster resolution
- Brings critical issues to our attention sooner

ex: Heat Pumps in the ceiling, we may not see the alarm light or the email if we are away from our desks

- HUGE time saver!
- More eyes can be on our equipment
- Wasting less time chasing down mobile assets

Questions?

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BIM 360 Ops Resources

Email us! Ops.at.au@autodesk.com*

- Blogs: https://bim360ops.autodesk.com/blog
- Product Site: https://bim360ops.autodesk.com/
- App Store (Mobile App): https://itunes.apple.com/us/app/bim-360-ops/id941471006?mt=8
- Web App: http://ops.bim360ops.com/



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- Confirm your email address and enter a phone #
- You are now an occupant of this portfolio
- Add tickets with questions, comments, feedback etc.!
- Create your own portfolio and start managing your own building.





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