



HELUG 2023

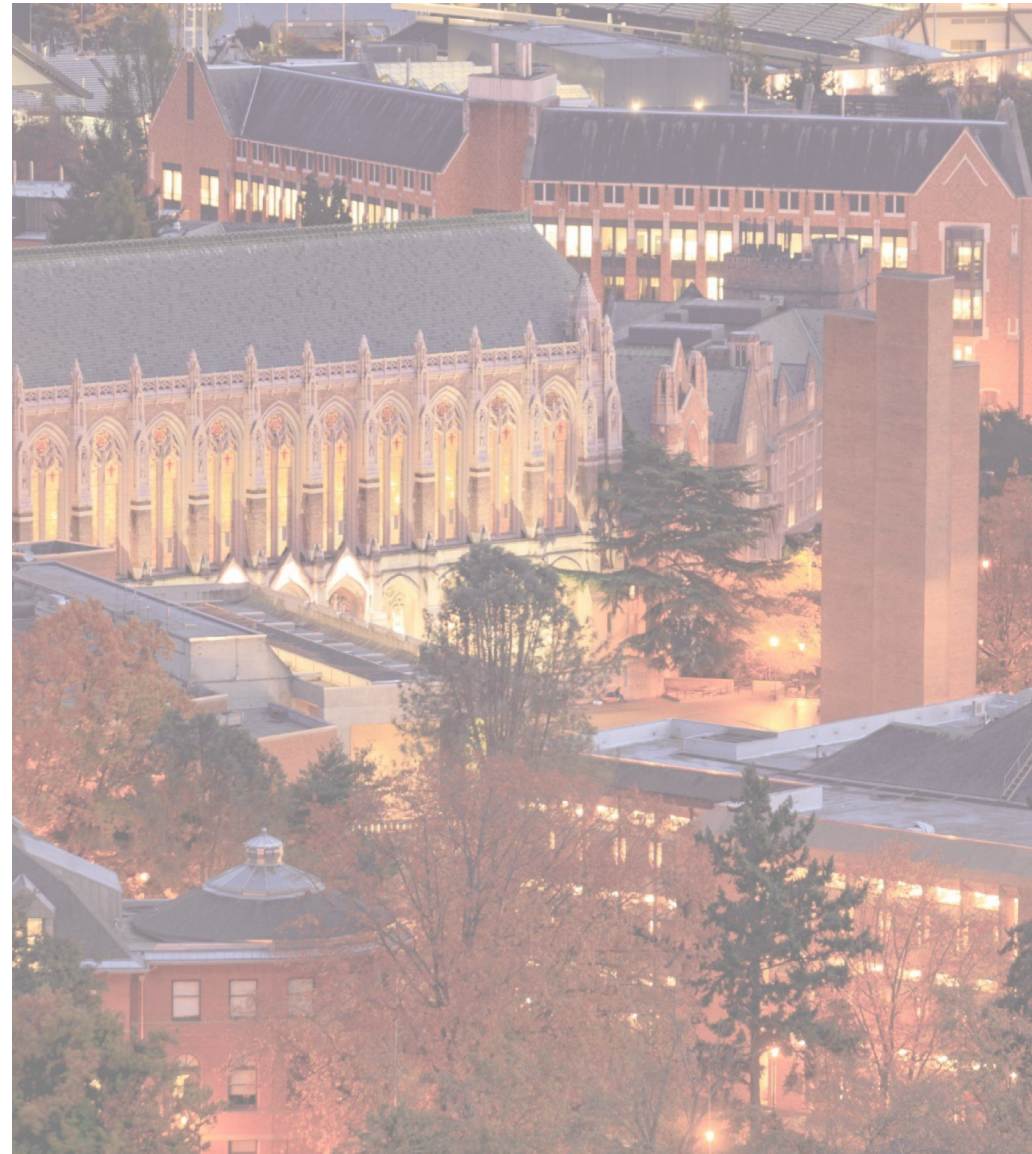
Creating a More Secure and Efficient Campus
With Automation of Event Scheduling and Access Control

Justin Dagen, co-founder of Detrios



Agenda

- About Detrios
- What is DAX?
- Market Trends
- Challenges and Objectives
- Q&A



About Detrios



Detrios is a software company specializing in access control solutions and services

We help customers and partners around the world design, deliver, and support integrated solutions to meet their toughest challenges

- 15+ years of access control experience
- 10+ years each as Lenel software engineers
- OEM access control integrations
- Fortune 10, small business
- Government/military
- Higher education



Jason Higley
co-founder



Justin Dagen
co-founder

DAX by Detrios



Event Management
Housing Management



1100101

DAX

1100101

Access Control



Industry's only off-the-shelf solution for schedule-driven access control automation in higher education

Intelligently integrates event management/room scheduling, housing, and access control

Our Perspective



- **30+** institutions
- **5k to 50k** students
- **1M+** events processed
- **5k+** rooms managed



Key Trends



Creating a more secure campus

*reduce risk via
intelligently-secured
spaces*



Delivering a better campus experience

*streamline access for
students, faculty, staff,
and visitors*



Increasing operational efficiency

*eliminate
time-consuming
manual processes*

Creating a More Secure Campus



Challenges, Objectives

- Provide an “open campus” while keeping people and buildings secure
- Reduce building open hours
- Handle unplanned scenarios predictably and reliably

Common Issues



"We want to secure buildings 5 hours earlier on weekdays and leave them secured on weekends except during events."

Weekday

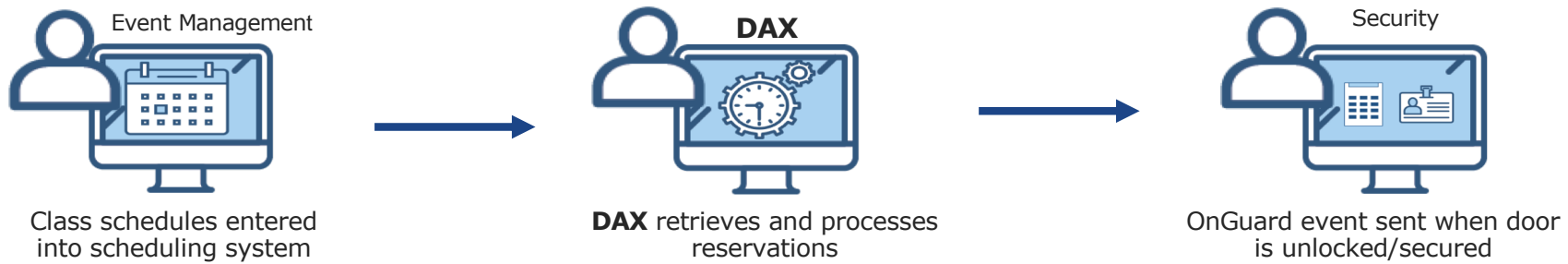
		7 AM	8	9	10	11	12 PM	1	2	3	4	5	6	7	8	9
RC-Dewey Hall (ET)	Cap															
1101 - Auditorium	165				GHOC-1	PSYC-282-1	BIOL-217L-1	GHOC-						On Film Projectionist Workshop		
2110D - Lecture Hall	45		NAVS-249-1	PSYC-210-1	RELC-10	FIN-242-1 In			CLST-110-1	PSCI-214-1	CHE-461-1 A					
2110E - Lecture Hall	45		NAVS-250-1	CHE-226-1	LAW-250-1					CSC-258-1 P						
2162 - Todd Auditorium	100			MATH-165-3	MATH-164-1		MATH-162-3	MATH-165-4	CSC-261-1 D							
4162 - Seminar Room	20				WRTG-1		CASC-010-3	WRTG-1	CHE-456-2 E	ENGL-122-1 Creative Writ						
B315	25				MUSC-212C	MUSC-134-1		MUSC-143-1								

Sunday

		2	3	4	5	6	7	8	9	10
RC-Dewey Hall (ET)	Cap									
1101 - Auditorium	165								Beta Theta Pi Chapter Meeting	
2110D - Lecture Hall	45					BSU EBOARD/GMM				
2110E - Lecture Hall	45									
2162 - Todd Auditorium	100									
4162 - Seminar Room	20	BIOL 250		Kearns CHEM						

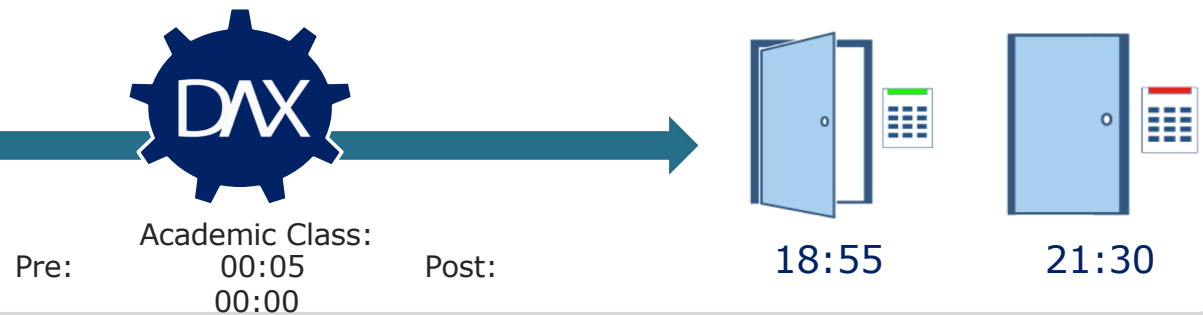
Intelligent Door Control

DAX automatically unlocks and secures rooms based on event schedules to enhance security.



Evening Class

ECON 402
Smith Hall 101
19:00 – 21:30

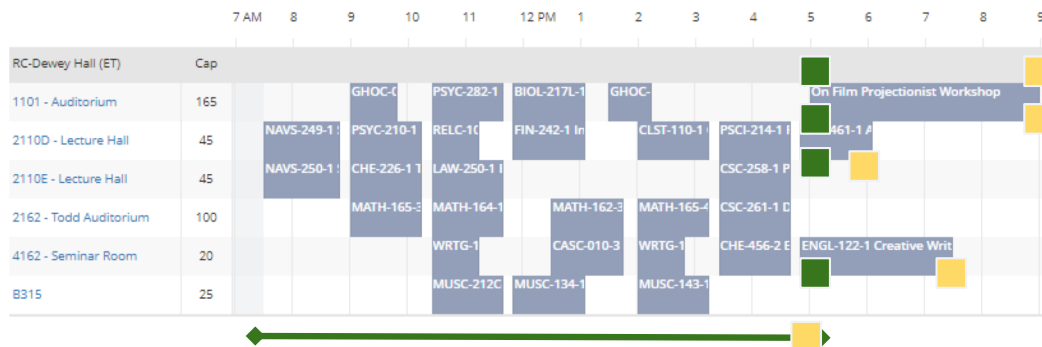


Automate Securing Spaces with DAX



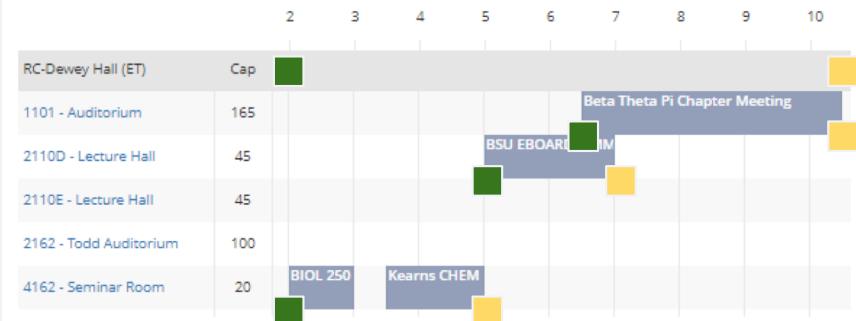
DAX automates locking/unlocking readers using room schedules, event types, and access control system awareness (lockdown, reader/timezone modes, maintenance, etc.)

Weekday



Unlocked via Reader-Timezone Mode

Sunday



Detailed Event Information



DAX Demo Zone Trace Monitor			
Alarm Description	Time/Date	Controller	Device
✓ DAX Service Initialized and monitoring schedules.	1:15 PM 7/6/2023	DAX	None
✓ Reader Mode Unlocked	1:30 PM 7/6/2023	Demo Kit Panel	Jefferson 101
✓ Pre-Event Door Command Sent	1:30 PM 7/6/2023	DAX	None
✓ Reader Mode Card Only	1:31 PM 7/6/2023	Demo Kit Panel	Jefferson 101
✓ Post-Event Door Command Sent	1:31 PM 7/6/2023	DAX	None

Associated Text

Pre-Event Door Command Sent
Reservation [Detrios Test Class]. Reader [Jefferson 101] Set to Mode [Unlocked].

All commands are audited in DAX and sent to OnGuard with detailed event information.

DAX						
System	Mappings	Options	Reports/Status	Housing	Admin	admin
Door Control Audit						
Status Key						
Success	Failure	Skipped	Override			
Timestamp	Panel Name	Reader Name	Room(s)	Reader Mode	Reservation	Error
7/6/2023 01:31 PM	Demo Kit Panel	Jefferson 101	Jefferson 101	Default	Detrios Test Class	
7/6/2023 01:30 PM	Demo Kit Panel	Jefferson 101	Jefferson 101	Unlocked	Detrios Test Class	

Elevates Security Across the Campus



“

DAX helps keep spaces safer and more secure by speeding up the securing process of buildings and spaces. Because DAX can quickly recognize an event has been cancelled or ended early, spaces can be automatically secured by the buildings themselves,” instead of requiring a call to UW-Madison Police.

Patrick Bucci, UW-Madison

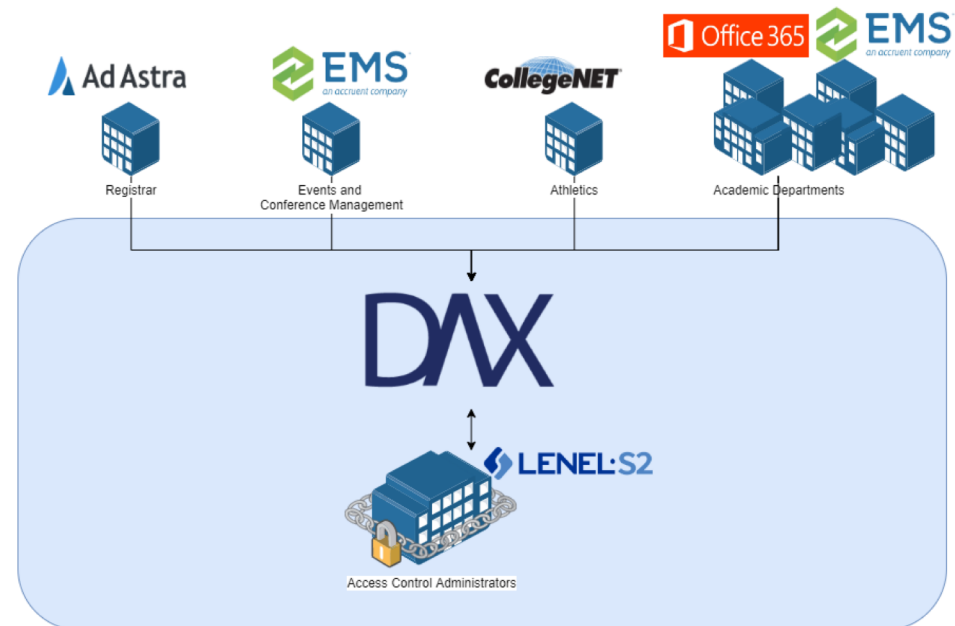
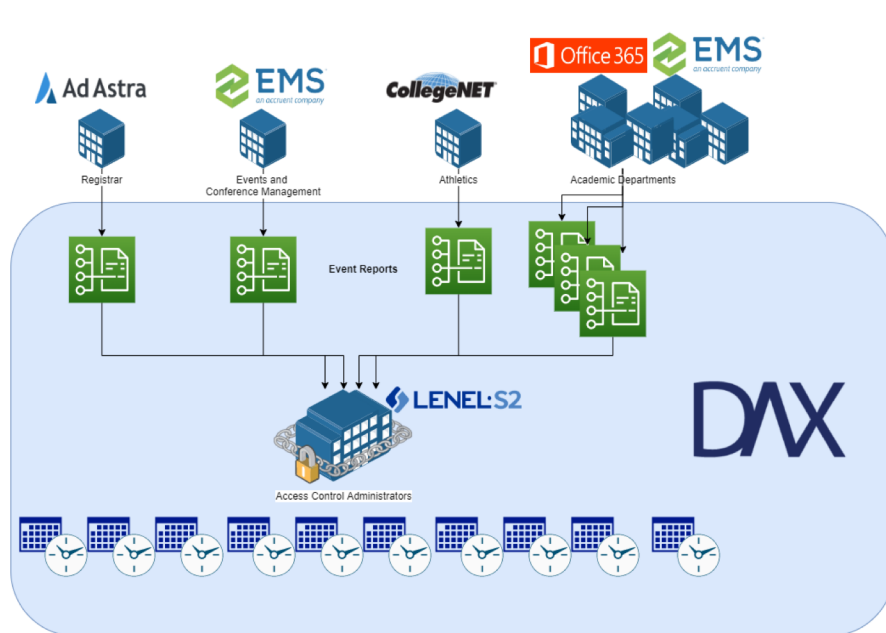
Delivering a Better Campus Experience



Challenges, Objectives

- Eliminate the “72 hour rule”
- Utilize existing room booking solution(s)
- Provide appropriate access based on event type

Better Campus Experience - Space Managers



Intelligent Access Assignment

DAX manages access based on event schedules to provide enhanced security and a better user experience



Student reserves study room
Staff reserves meeting room



DAX retrieves the reservation,
processes it based on
configuration



Temporary access assigned
and removed

Student Study Room

BIO Study Group

Library Study 02B
Cory, Erin
19:30-20:30



Study Room Booking:
Pre-Assign: 00:00



19:30 - 20:30

Benefits Students, Faculty, Staff & Admins

“

Because of DAX, people can schedule a room right away when they arrive. They don't have to put in a ticket and have somebody log into the system to unlock the door for them.

This used to be a 20-minute process.

Stephen Cornett, University of Kentucky

“

Prior to DAX, buildings would have to schedule their events, then pull that data and email it to our access office. With DAX integration, building managers have control via their existing scheduling systems.

Scheduling has become more efficient and event focused, with the buildings feeling more like participants than spectators in campus security.

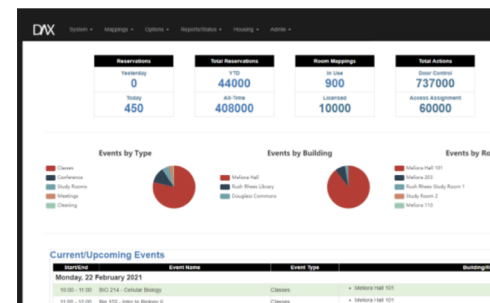
Patrick Bucci, UW-Madison

Increasing Operational Efficiency

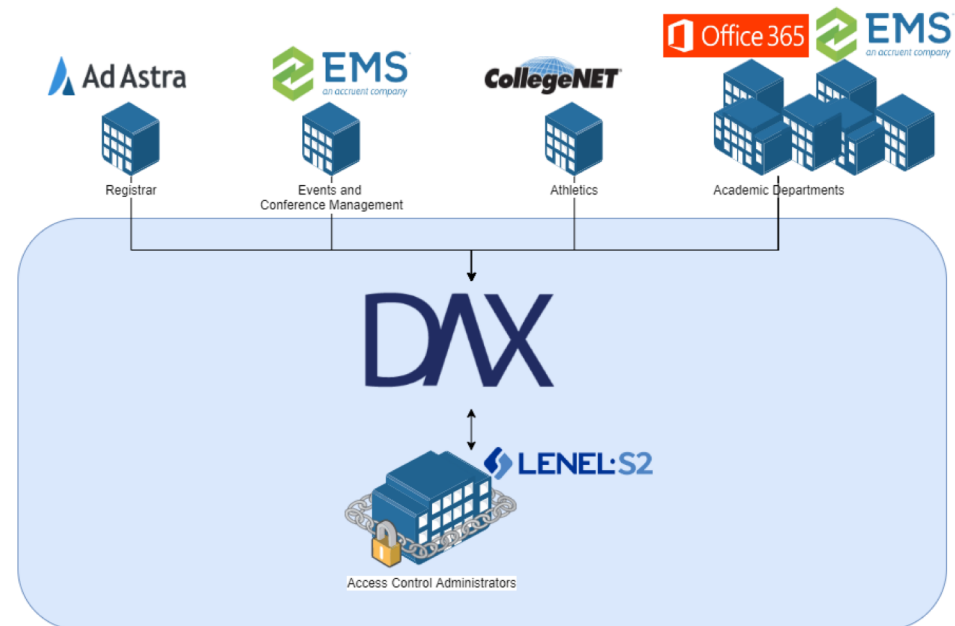
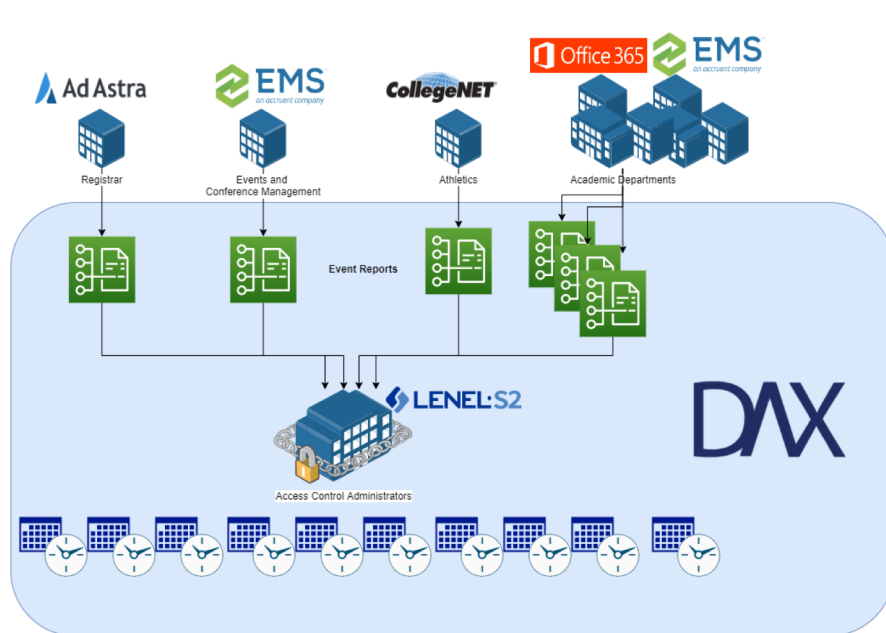


Challenges, Objectives

- Eliminate daily/weekly event reports
- Repurpose manual PACS schedule programming time
- Reduce calls for last minute event unlocks/cancellations



For PACS Administrators



Saves Hours of Time Every Week



“

With the DAX solution, we're saving 20 hours a week. Our department doesn't have to be burdened with the significant amount of time we used to spend grabbing data from the event management system or making scheduling arrangements for events.”

Stephen Cornett, University of Kentucky

“

DAX is one of the best assets our office has purchased. By automatically scheduling temporary room reservations, **DAX saves our office 50+ hours of work a week.**

David Cowan, Wake Forest University

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Questions?



Thank You

