

WELCOME

Monthly Building Coordinator Meeting

Via ZOOM

February 21, 2024



Agenda

FM 2027 Goals:

*Lynne Finn, Associate Vice President,
Facilities Management*



Mapping Programs:

*Kirk Banks, Associate Director- Facilities
Information Services, Facilities Management*

Agenda

FM 2027 Plan



Why has FM created a strategic plan?

Align with new UI Strategic Plan

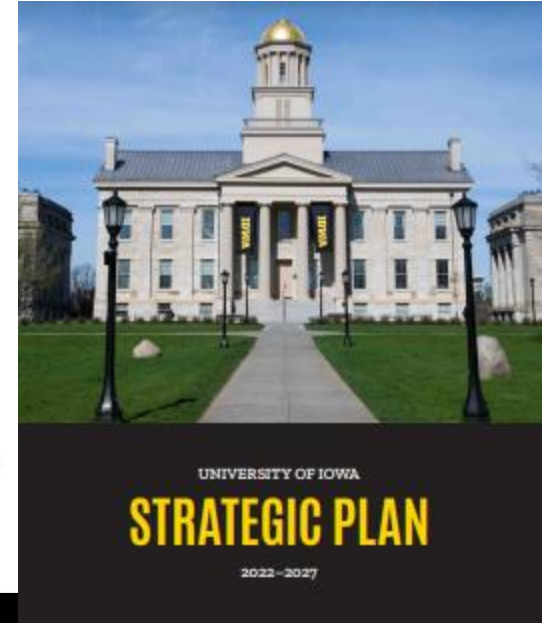
A Destination University

Our goal is clear: to become the top choice university for the next group of diverse and talented students, faculty, and staff.

How can we achieve this goal? Well, it all starts with a plan.

The 2022-2027 Strategic Plan outlines the objectives and strategies we will use to enhance our standing as one of the most distinguished public universities in the country. Through this plan, we will build upon our strengths, honor our tradition of leadership, and further our commitment to creativity, community, excellence, inclusion, and integrity.

Together, we can help the University of Iowa thrive as we embark on our next chapters of exploration, discovery, creation, and engagement.



From President Barbara J. Wilson

Our strategic plan is a roadmap for success. It is not simply a document filled with lofty goals or aspirations. Rather it serves as the framework of how we will continue to advance our mission of teaching, research, and public service. With the structure of the plan in place, the work really begins now as we design ways to meet our goals while adhering to the values that make us proud to be Hawkeyes.

We invite you to join us as we continue on this journey together as a University of Iowa community — a community committed to supporting student success and academic excellence.

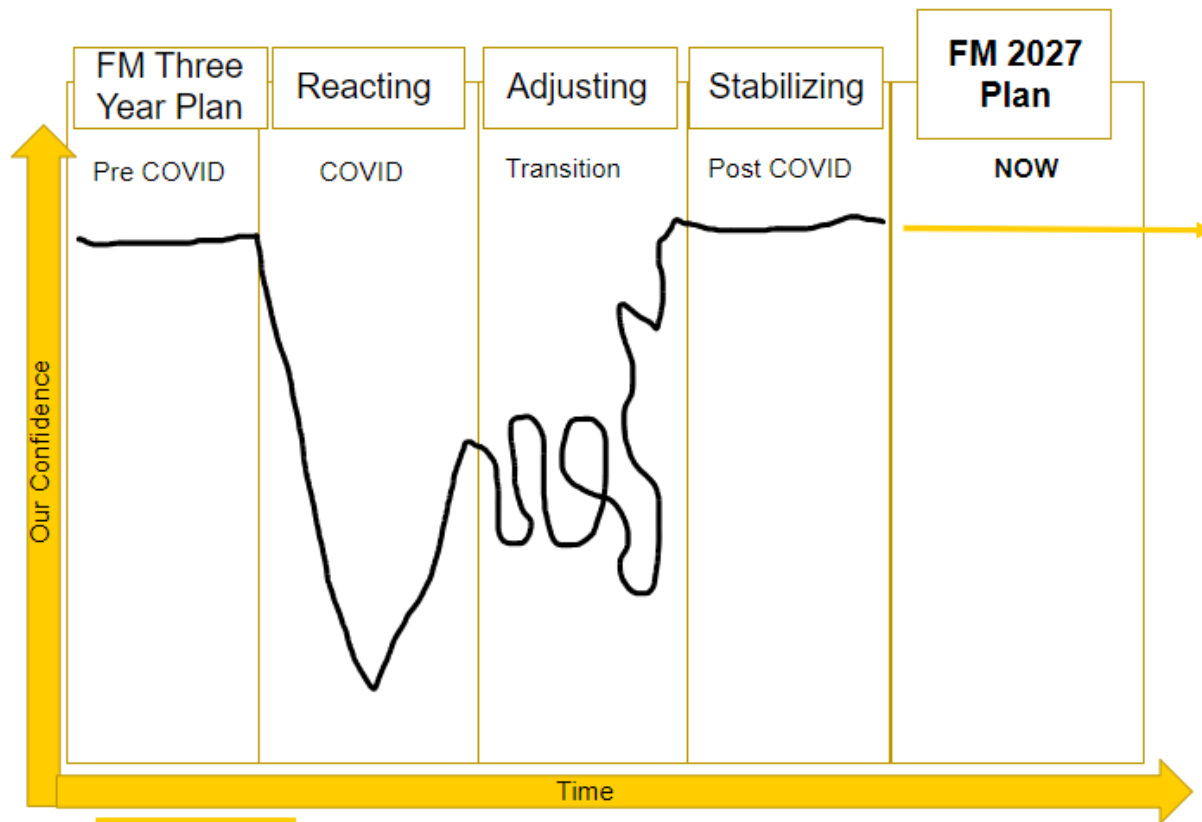
[READ THE LETTER](#)

IOWA

Facilities Management

Why has FM created a strategic plan?

Reset our strategic focus



Why has FM created a strategic plan?

- Align with new UI Strategic Plan
- Reset our strategic focus
- Enable success through shared goals and intentions
- Create focus and freedom for employees and teams



Facilities Management

WE ARE FM

MISSION

Providing a physical environment that supports university excellence.

VISION

Always there,
always the best.

IOWA | Facilities
Management

CORE VALUES

Stewardship

- We manage our resources for the benefit of present and future generations
- We take responsibility for our work and our actions

Innovation

- We continuously learn, develop and improve
- We build upon our successes and learn from our failures

Community

- We encourage an atmosphere of respect, trust and cooperation
- We energize and inspire each other

Safety

- We believe every injury is preventable
- We work together to promote safety and wellness

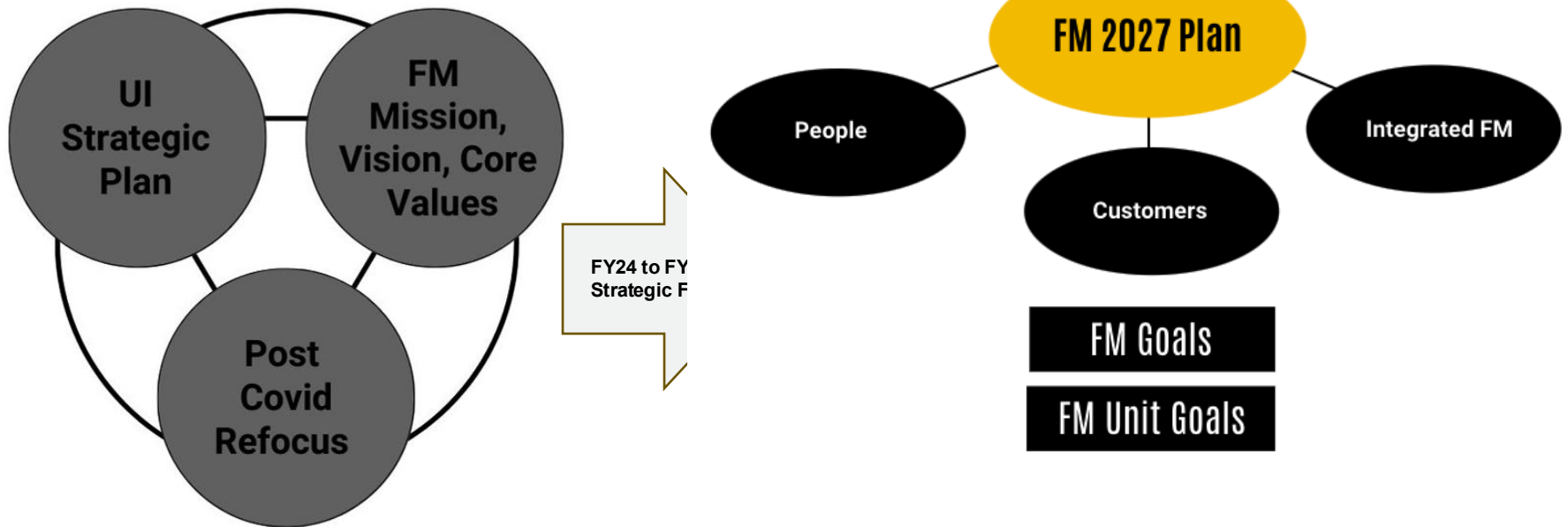
Pride

- We are proud of our work
- We are dedicated to serving the University of Iowa

IOWA

Facilities Management

The Planning Process



FM 2027 Plan

People

Sustain a solid foundation for individual, unit, and FM success, including quality leadership

FM Core Values
Safety, Community, Pride



Customers

Affirm, define, and quantify the value of FM Service to the University of Iowa

FM Core Values
Stewardship, Pride



Integrated FM

Own a comprehensive stewardship culture for integration - deliberate consideration and documentation of intersections, opportunities for partnerships, efficiencies and impacts to others to better the University of Iowa

FM Core Values
Innovation, Community, Pride



FM Goals

FM Unit Goals

FM 2027 Plan- Number of goals by Unit

FM 2027 Plan (Number of goals by Unit)

	People	Customers	Integrated FM	
	Sustain a Solid Foundation for Individual, Unit, and FM Success, including quality leadership.	Affirm, Define, and Quantify the value of FM Service to the University of Iowa.	Own a Comprehensive Stewardship culture for integration - deliberate consideration and documentation of intersections, opportunities for partnerships, efficiencies and impacts to others to better UI.	
FM Unit	Values: Safety, Community, Pride	Values: Stewardship, Pride	Values: Innovation, Community, Pride	Total
Landscape Services	2	5	2	9
Building Ops & Maint	1	1	5	7
Custodial Services	3	1	1	5
Design & Construction	3	2	3	8
FM Utilities	1	5	14	20
Budget & Financial Ops	1	3	5	9
Facilities Info Systems	1	4	3	7
Fire & Life Safety	2	2	1	5
FM Tech & Data	10	8	2	20
FM@YS	1	2	2	5
Occupational Safety	3	0	0	3
Bldg Stewardship	0	0	3	3
Strategic Comms	3	2	4	9
	30	35	45	110



Thank you!

Facilities Information Services (FIS)

SIMS and Campus Mapping Institutional Support

UI Building Coordinators Network

February 21, 2024

Kirk Banks

Associate Director, Facilities Information Services

Education:

- Bachelor of Science Mechanical Engineering, University of Iowa, 1986
- Master of Business Administration, University of Iowa, 1990

Work Experience:

University of Virginia

- Capital Outlay Project Engineer, FM Facilities Planning and Construction
- Systems and Special Projects Manager, UVa Health System Facilities Services

University of Alabama at Birmingham

- Engineering Manager, Facilities Division

University of Iowa

- Management Engineer, UIHC Division of Facilities Services
- Space Information Manager, FM Space Planning and Utilization

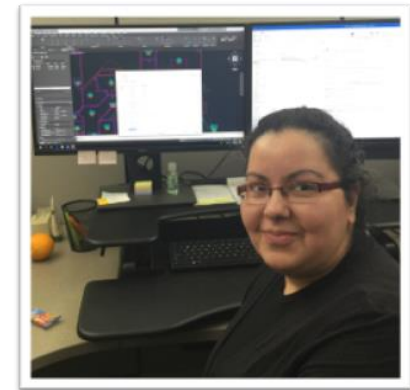
FIS Team



Jay Geisen
GIS Enterprise Systems Architect



Doug Moore
Land Survey and Civil Eng.
Services Coordinator



Mais Albaghdadi
Space Information Specialist

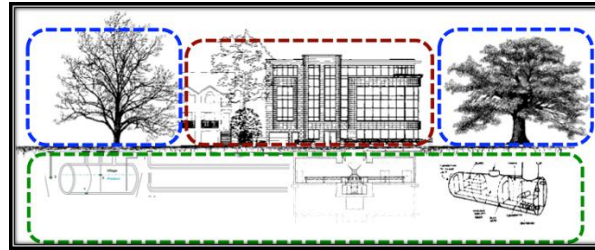


Michael Maddison
GIS Technician



Quinn McNutt
Space Information Specialist

About FIS



Facilities Information Services (FIS)

is responsible for the stewardship of all campus space, infrastructure, real property and land development data for Iowa's 21 million gross-square-feet of space across 2,500 acres.

Single Source of Truth
of campus space data.

Why is FIS Important

FIS systems provides a framework for collecting the data and information required to make decisions about the strategic plans of the fixed assets of the campus.

Application Methodology:

- What does the campus own/lease?
- Where is it located?
- Who is utilizing it and How?
- What is it worth?
- What is the maintenance backlog?
- What is its condition?
- What is the remaining service life?
- What do you fix/replace first and When?

What We Do

- The **Space Information Management System (SIMS)** provides the central master record of campus owned and leased real property including the UI Hospitals and Clinics, Parking and Transportation, Athletics, and University Housing.
- **Land Survey and Civil Eng. Services** provides services for the collection, field verification, and CAD mapping of campus utilities, site assets, land improvements, topographic features and civil infrastructure spatial data and attributes.
- **Geographic Information Systems (GIS)** provides mapping and data services which include campus base mapping, utilities mapping, property mapping, master and capital plan mapping, and other campus maps.

Space Information Management System (SIMS)

- Architectural and Space Floor plans are made available to authorized users via the cloud-based UI Active Visual System operated by the Advanced Technologies Group (ATG).
- SIMS staff performs new building and post renovation site surveys to verify the accuracy of architectural layouts, room use, department occupancy, and other associated data which is embedded on the floor plans.
- SIMS staff supports the university and UI Hospitals and Clinics space surveys by updating room assignments and occupying department and space use information.



Request Access to ATG

IOWA
Facilities Management

ABOUT US ▾ PROJECTS ▾ SERVICES ▾ **CAMPUS SPACES ▾**

Home » Campus Spaces

Facilities Information Services

ABOUT US

Facilities Information Services (FIS) is responsible for the data, infrastructure, and physical development for the university's campus across 2,500 acres. This includes, but not limited to, land holdings and infrastructure assets and other real property data. FIS is comprised of the Space Information Management System (SIMS).

SPACE INFORMATION MANAGEMENT SYSTEM

SIMS is the university's facility information system that tracks all university owned and leased space. University building floor plans are available to view via the SIMS ATG/AVS website.

To access the system as a new user, university employee, or outside contractor, please follow the links below:

New User Login Request

Click Here

University Employees

Click Here

Design Professionals and Contractors

Click Here

ATG
a JLL company

CLIENT LOGIN | HOME

Active Visual System® Registration

Please fill out the following form completely and click "Submit" to process your registration. An auto-reply email will be sent to you confirming your submission. A second email providing your username and password will be sent once your registration has been approved.
For immediate assistance, please contact us at 630.829.8950.

Login Information

Indicates required fields.

Salutation
Select Title ▾

First Name
Last Name

Title
Organization Name

Address
City

State
Select State ▾

Zip

Country
UNITED STATES

Work Email
Phone () - -

Facility requesting access to
(Please enter full name of facility)

If you are a consultant, please indicate main contact at the facility you're requesting access to

Requesting additional access for the following solutions **Required**
(Select one or more)

<input type="checkbox"/> Asset Manager	<input type="checkbox"/> Life Safety Manager
<input type="checkbox"/> Statement of Conditions	<input type="checkbox"/> Compliance Manager
<input type="checkbox"/> Permitting	<input type="checkbox"/> Environment of Care
<input type="checkbox"/> Space Move Manager	<input type="checkbox"/> Drawings/Other/Unsure

IOWA

FIS: SIMS and Campus Mapping Institutional Support

Access Floor Plans

IOWA
Facilities Management

Alerts Bu

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Home » Campus Spaces

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a JLL company

University of Iowa Login

Access your facility information now. Please click on the Log In button below

Log in By clicking **Log in**, you acknowledge agreement with the latest **Terms and Conditions** ([click here to view](#)).

Not registered?
Access the AVS by setting up a new user account. [Register](#)

Need someone else to register?
Send registration information to others via email. [Email](#)

Need technical assistance?
Call the ATG Technical Support line at: **630-829-8950**

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University Employees [Click Here](#)

Design Professionals and Contractors [Click Here](#)

HawkID Login for www.atginc.com

THE UNIVERSITY OF IOWA

HawkID

Password

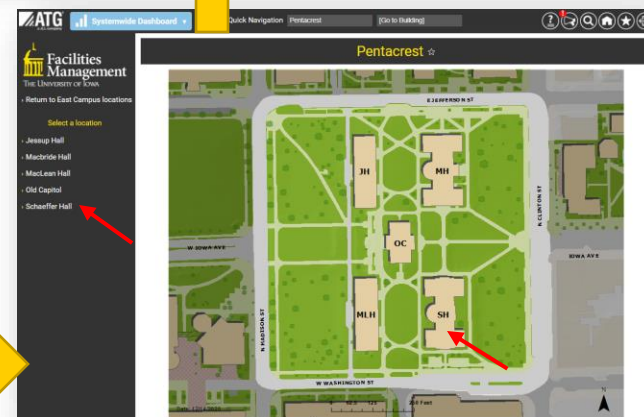
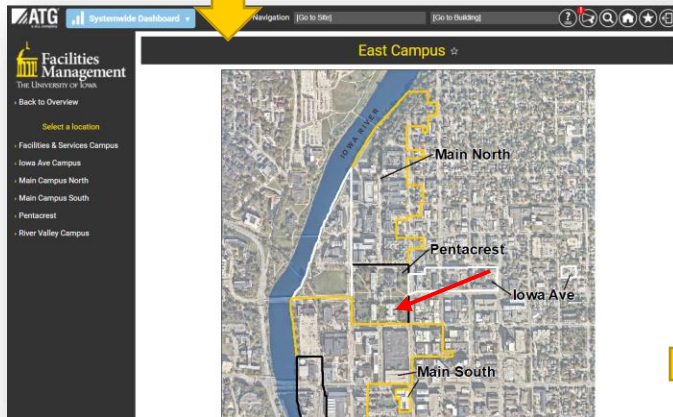
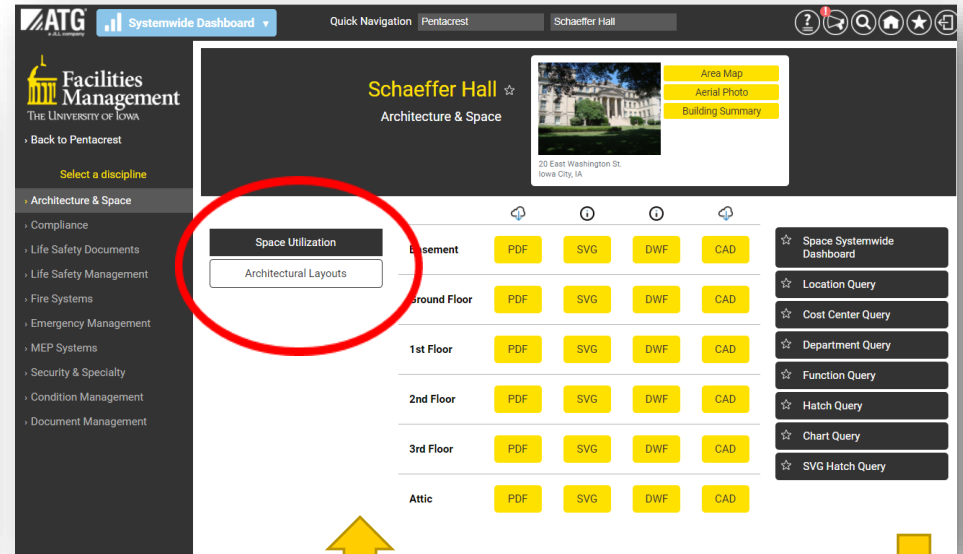
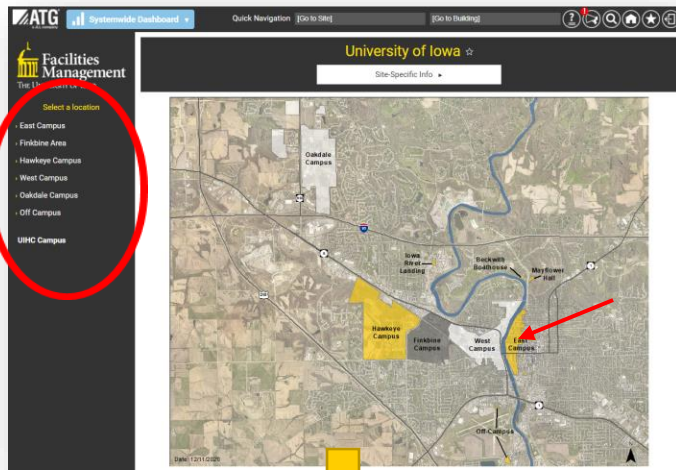
Log In [Forgot your HawkID or password?](#)

You will be logged in to this service securely. Information which will allow you to access the site you requested will be transmitted to the site. This information will be encrypted before it is sent. Please see the ITS Help Desk [Shibboleth support pages](#) for additional information.

Please contact the [ITS Help Desk](#) for assistance, questions, or concerns.



Navigating to get Floor Plans

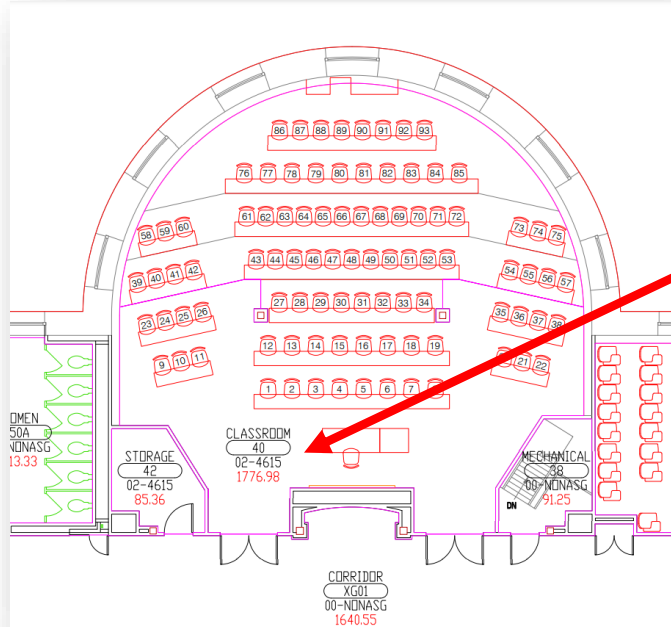


Floor Plans – ATG



Room Data

Field	Values
Site	MAIN CAMPUS (EAST)
Building	0002 SH
Floor	G
Room Number	40
Room Name	CLASSROOM
Responsibility Center	4615-40000
Responsibility Center Description	ROOM SCHEDULING
Department	02-4615
Department Description	REGISTRAR
Room Description	ASSIGNABLE
Space Definition	110 - CLASSROOM
Use Code	110003
Use Description	CLASSROOM - LECTURE
Function Code	1.1
Function Description	AA - INSTRUCTION
Division	UNIVERSITY CLASSROOM
Occupancy	96
Date Modified	02/23/2019
Floor Type	VINYL COMPOSITION TILE (VCT)
Custodial Service Level	DAILY
Recent Project	UI PROJECT 92828 - SCHAEFFER HALL REMODELING AND RENEWAL (1998)
Suite/Zone	UNIVERSITY CLASSROOM
Net S.F.	1776.98
DRAWING	002SP0G.dwg



Space Floor Plan

SVG Hatch Query

Basement PDF SVG DWF CAD

Ground Floor PDF **SVG** DWF CAD

1st Floor PDF SVG DWF CAD

2nd Floor PDF SVG

3rd Floor PDF SVG

Attic PDF SVG

ATC

Auto Hatch Query Hatch

Gross Area Net Area

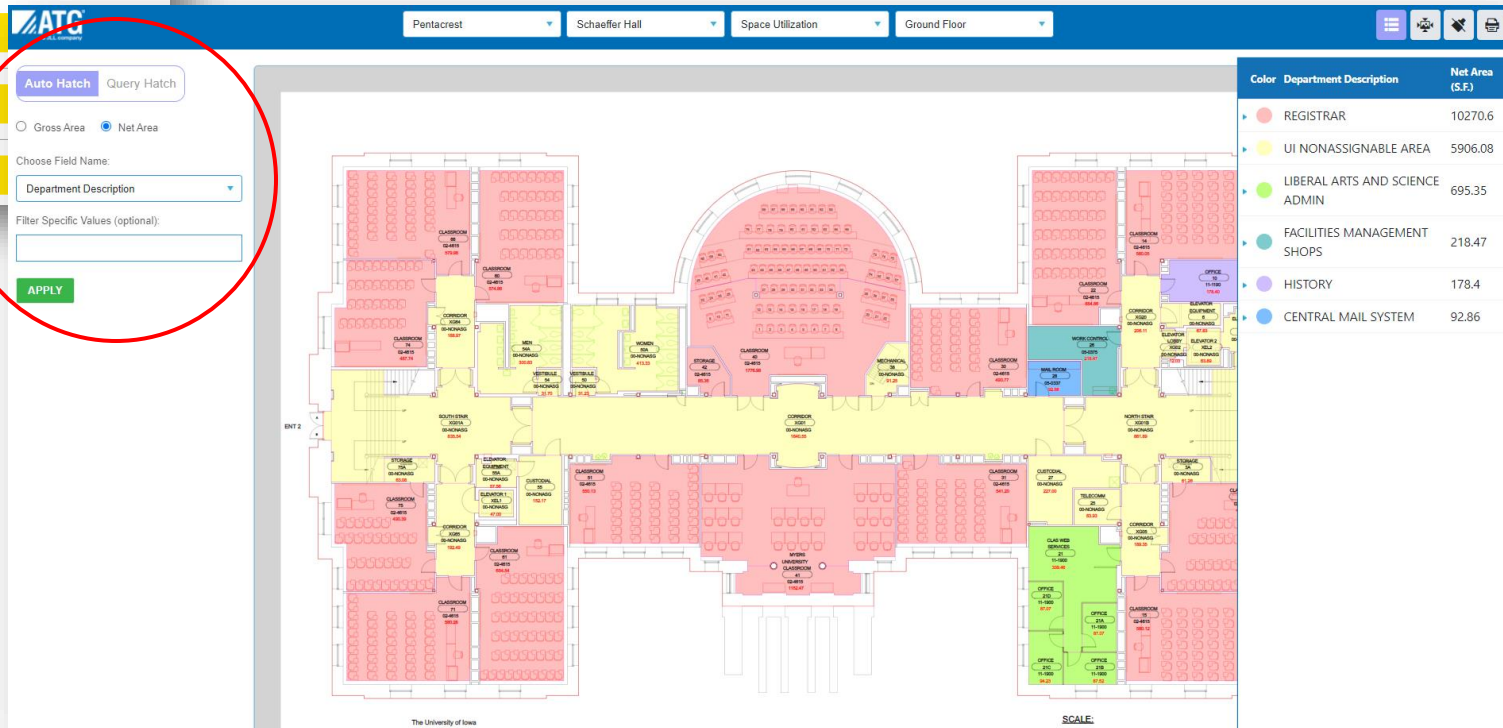
Choose Field Name:

Department Description

Filter Specific Values (optional):

APPLY

Hatched Floor Plan



SIMS Update

IOWA Alerts Bu

Facilities Management ABOUT US ▾ PROJECTS ▾ SERVICES ▾ **CAMPUS SPACES ▾**

Home » Campus Spaces

Facilities Information Services

ABOUT US

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For quick facts on campus acreage, number of buildings and gross square footage, etc., visit [SIMS Quick Facts](#).

Request an update to a room's use, assignment, or occupancy with [SIMS Update](#).

SPACE INFORMATION MANAGEMENT SYSTEM

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New User Login Request Click Here	University Employees Click Here	Design Professionals and Contractors Click Here
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IOWA Facilities Management **Space Information**

SIMS Space Update

→ Contact Information:

Name*:

Email*:

Contact same as Requestor? Yes No

Enter HawkID: [Search](#)

[Search for HawkID in UI Directory](#)

→ Location: *Please choose a building*

Building*:

→ Related Attachment: *Please attach related files or photos.*

[+ Add Attachment](#)

SIMS Update

IOWA Facilities Management **Space Information**

→ Description: *Please select floor and room for your request.*

Floor:

Room:

	Current	New
Space Code & Description	110 - CLASSROOM	<input type="text"/>
Use Code & Description	CLASSROOM - LECTURE 110003	<input type="text"/>
Assigned Unit	02	<input type="text"/>
Assigned Department	02-4615 - REGISTRAR	
Occupying Unit	02	
Occupying Department	4615-40000 - ROOM SCHEDULING	
Occupant	None listed	<input type="text" value="Enter Occupant"/> <small>The SIMS Occupant Data is for informational use only and does not reconcile with the Facilities & Administration (F&A) Space Survey. F&A occupant information must be entered directly into the Space Survey via the Self-Service application.</small>
Capacity	96	<input type="text" value="Enter Capacity"/>
Change Status	<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary	
Comments* (500 characters max):	<input type="text"/>	



360 photos are now taken as part of the site survey process. The implementation of this process has greatly enhanced the FIS' ability to accurately update and maintain floor plans, utility vaults and tunnels.

An institutional benefit resulting for this work has been providing access to these photos via the [FIS 360 Photos SharePoint](#) site to enhance campus operations.

Access has been made available limited users within the following Units:

- Classroom Management and Operations
- Learning Spaces Support
- FM Utilities and ENGIE, Building and Landscape Services, Fire and Life Safety, and Design and Construction Services
- UIHC Capital Management
- UIHC Engineering Services
- University Housing and Dining
- F&O Strategic Communications
- Campus Planning and Development
- UI Public Safety
- CLAS IT

Macbride Hall Auditorium



Ricoh Theta X – 360 Camera w/ 11K Resolution

3D Laser Scanner Reality Capture

FIS now utilizes Leica hardware and software to efficiently capture existing conditions for the campus physical environment and transfer the digital data into architectural and engineering plans and models.

The process in the creation of AutoCAD drawings, Revit 3D Models and BIM has significantly improved with the addition of the Leica hardware and software and its integration with the Autodesk and GIS software used by FIS.



Growing Words CR Lab

3D Laser Scanner Reality Capture

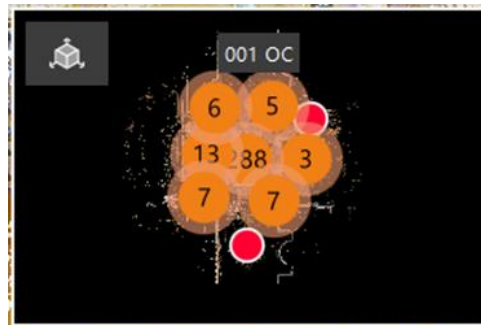
The Leica BLK360 is an advanced precision imaging laser scanner will allow for rapid LiDAR scanning and capture of high-quality photospheres (360 images) of university physical spaces.

The Leica hardware and software integrates this captured spatial data with Autodesk technology used by Facilities Information Services (FIS) for space and asset management and campus planning.

Speed: 680Kpoints/second

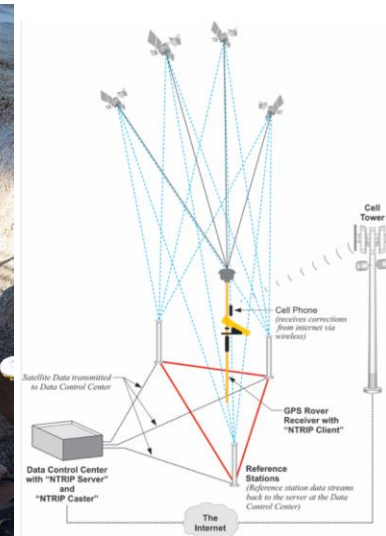
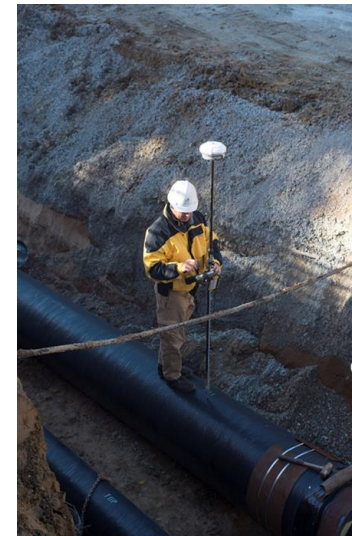
Range: 40m

Accuracy: 4mm @ 10m



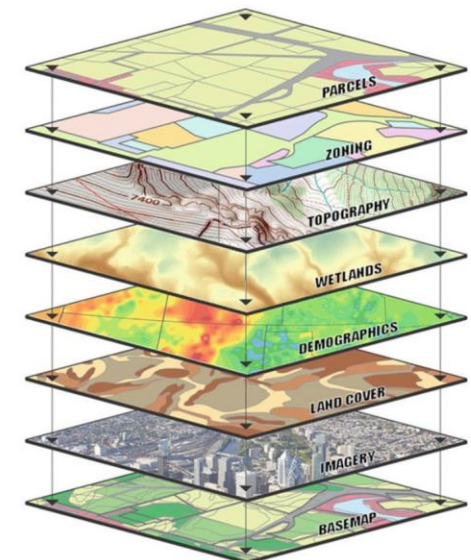
Campus Mapping – Land Survey and Civil Eng. Services - Collection (GPS)

- Land Survey and Civil Eng. Services utilizes state-of-the-art Global Positioning System (GPS) technology which has transformed its ability to collect and maintain highly accurate and useful infrastructure and property survey data.
- The connection of GPS technology used to support surveying tasks is important to understand. It provides the means for infrastructure and land use to be planned and designed, built and operated.
- CAD and GIS systems rely upon survey data obtained using GPS to provide professional grade location and attribute data to campus utilities operators and design professionals.

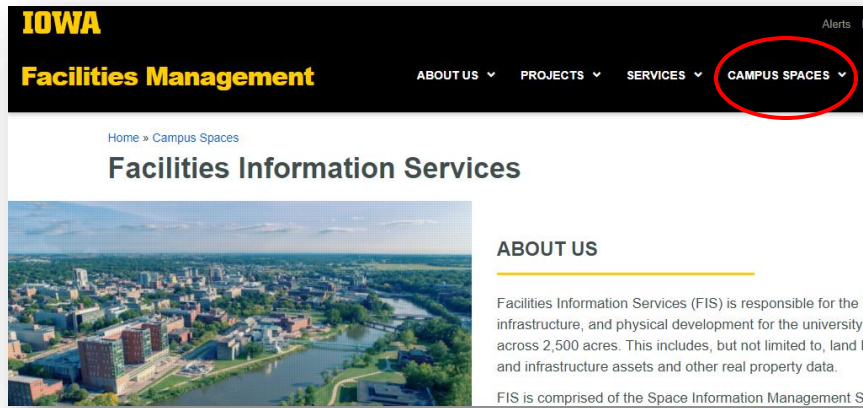


Campus Mapping - Geographic Information System (GIS)

- GIS connects data to a map, integrating location data (where things are) with all types of descriptive information (what things are like there). This provides a foundation for mapping and analysis that helps the campus understand patterns, relationships, and geographic context.
- The GIS system includes an impressive set of assets such as aerial photos, SIMS data, parcels, proposed master planning scenarios, easements, contour (elevation) lines, FEMA floodplain extents, signs, exterior furniture and structures, land cover, parking, roads, sidewalks, trees, utilities and countless others.
- The GIS team uses this data to create user-friendly web-based interactive campus maps as well as printable maps.
- The institutional benefits of GIS mapping include improved communication and efficiency as well as better management and decision making.



Campus 2D Map



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Facilities Management

Alerts Bu

ABOUT US ▾ PROJECTS ▾ SERVICES ▾ **CAMPUS SPACES ▾**

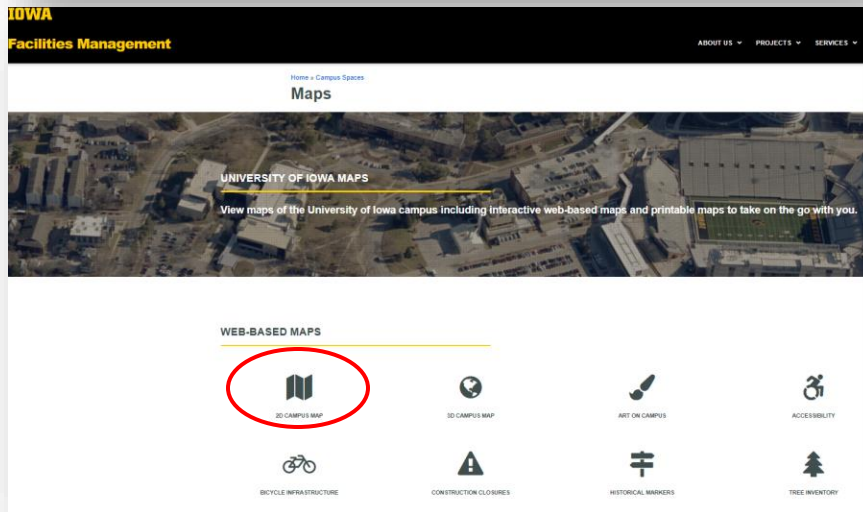
Home » Campus Spaces

Facilities Information Services

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Facilities Management

ABOUT US ▾ PROJECTS ▾ SERVICES ▾

Home » Campus Spaces

Maps

UNIVERSITY OF IOWA MAPS

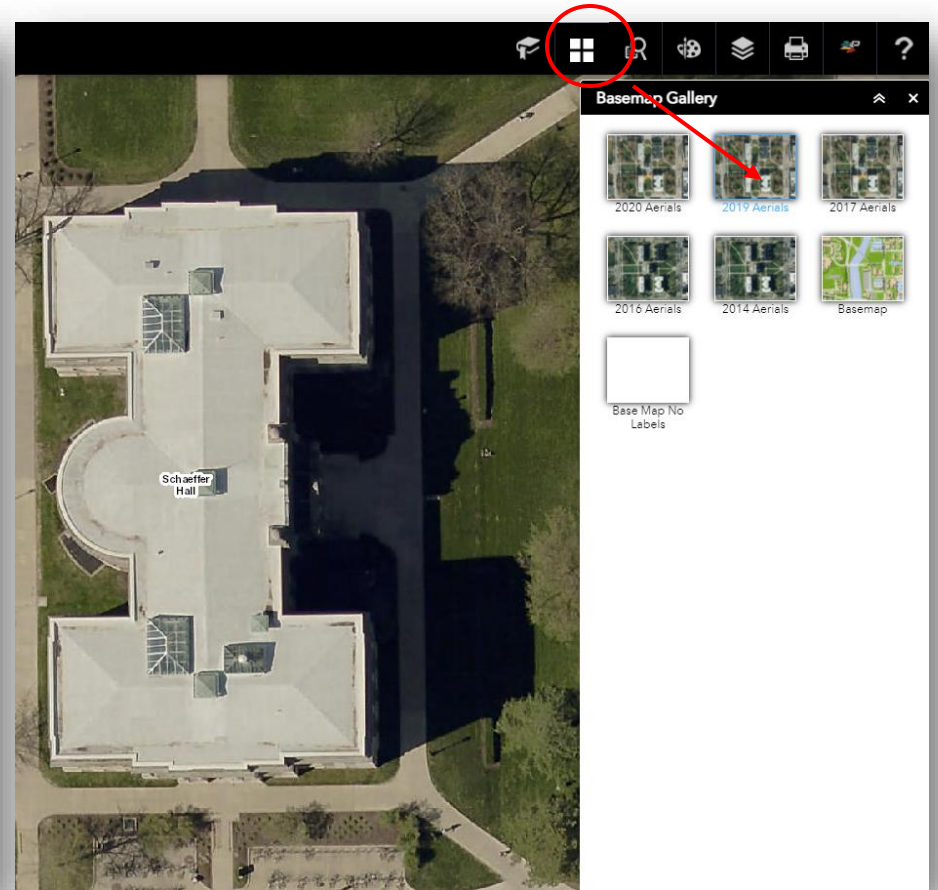
View maps of the University of Iowa campus including interactive web-based maps and printable maps to take on the go with you.

WEB-BASED MAPS

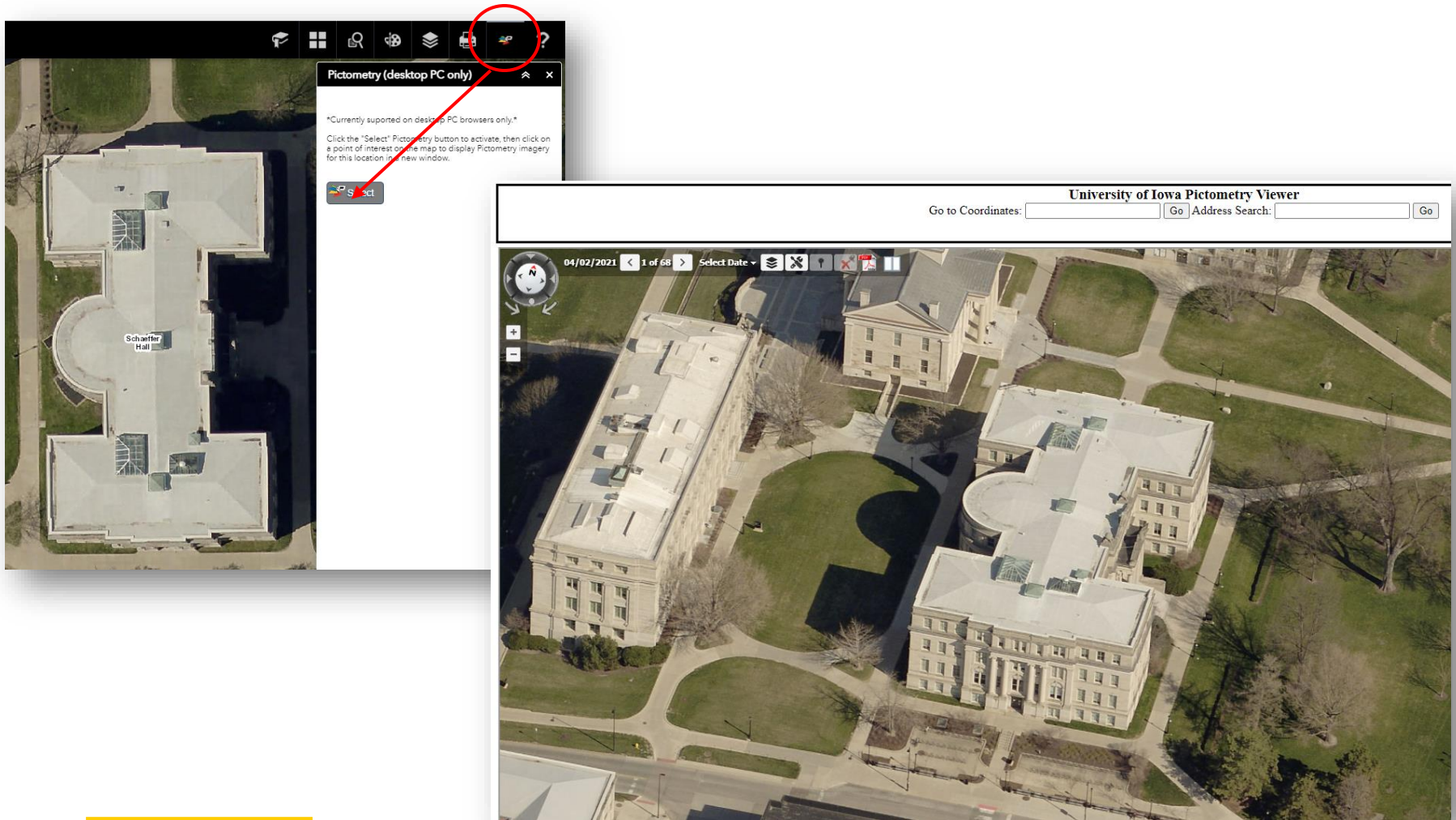
- 2D CAMPUS MAP** (circled in red)
- 3D CAMPUS MAP
- ART ON CAMPUS
- ACCESSIBILITY
- BICYCLE INFRASTRUCTURE
- CONSTRUCTION CLOSURES
- HISTORICAL MARKERS
- TREE INVENTORY



Building Search and Aerials



Pictometry – Birdseye Image



Campus 3D Map

The screenshot shows the University of Iowa Facilities Management website. At the top, the 'IOWA' logo is on the left, and 'Alerts Bu' is on the right. Below the logo, 'Facilities Management' is written in yellow. A navigation menu includes 'ABOUT US', 'PROJECTS', 'SERVICES', and 'CAMPUS SPACES', with 'CAMPUS SPACES' circled in red. Below the menu, the breadcrumb 'Home » Campus Spaces' is visible, followed by the heading 'Facilities Information Services'. A large aerial image of the campus is on the left, and an 'ABOUT US' section is on the right. At the bottom, a 'WEB-BASED MAPS' section contains several icons, with the '3D CAMPUS MAP' icon circled in red.

Navigate Tool



GIS Web Map Library

<https://gis-web-map-library-uiadmin.hub.arcgis.com/>

IOWA GIS Web Map Library




GIS Web Map Library
Search, Visualize, Download, Create

Search

This is the platform for exploring and downloading GIS data, discovering, and engaging others to solve important issues. Let's achieve our goals together!

[360 Photos Sharepoint](#)

[Facilities Management Maps Page](#)



UI Building Info

UI Building Information

Explore

UI Accessibility

Accessibility Map for UI

Explore

Closures

Construction Closures and General Closures

Explore

IOWA GIS Web Map Library

Web Maps

Site Features and Landscape	Accessibility and Service	Utilities	Miscellaneous
Trees (Public)	Accessibility (Public)	All Utilities (Private)	Smoking (Public)
Signs and Monuments (Private)	Classrooms Walk Time (Private)	Chilled Water (Private)	Easements (Private)
Dumpsters (Private)	Parking - FIS (Public) Parking Availability (Public)	Air (Private)	Sustainability (Public)
Historical Markers (Public)	All Projects (Private)	Electrical Distribution (Private)	University Parcels (Public)
Native Plants (Public)	Iowa City Closures (Non UI) (Public)	Electrical Lighting (Private)	
Art on Campus (Public)	Single User Restroom (Public)	Gas (Private)	Lactation Rooms (Public)
Campus Spaces and Benches (Public)	Closures (Public)	ITS Fiber (Private)	
MNRA Trails (Public)		Sanitary (Private)	
Memorials (Public)		Steam (Private)	
		Storm (Private)	
		Tunnels And Vaults (Private)	
		Water (Private)	
		Controls (Private)	
		Emission Points (Private)	
		Soil Borings (Private)	

Institutional Support

Applications

- Active Visual System (ATG)
- FM: AiM
- UIHC: TMA
- Housing: TMA
- ITS Telecom & Network
- Key and Access Services
- Fire & Life Safety
- HVAC Controls
- JoCo Emergency Management
- Unit Planning
- BuildUI
- PI/Energy Caps
- Roof Inventory and Maintenance
- Elevator Maintenance
- Custodial Service Level
- Campus Master Plan
- PeopleSoft
- Classroom Scheduling / Ad Astra

Reports

- Iowa DAS Real Property
- Clery Report
- HLC Assurance Review
- National Science Foundation
- Gordian Sightlines
- UI Data Digest
- Facilities Governance Report
- EHS Fume Hood Report
- Risk Management
- Capital Asset Management

Space Survey

- F&A and Occupant
- UIHC Annual Survey

Imagery

- 360 Photos (Interior/Exterior)
- Aerials (Vertical Orthophotos)
- 3D Laser Scanner

Business Intelligence

- CLAS
- CCOM
- UIHC
- CEA Budget

Underground Site Support

- Location Requests
- Design Location Requests

IOWA

Building Inventory
Lease Inventory
Room Inventory
GIS Mapping



Data Warehouse (DWPROD)

Service Mapping

- 2D Campus Map
- 3D Campus Map
- Campus Map (Concept3D)
- Bicycle Infrastructure
- Classroom Walk Time
- UI Accessibility
- Parking (FIS)
- All Projects
- Construction Closures
- StoryMaps
- Campus Tours
- Campus Snow Removal Map
- East and West Campus Snow Priority Routes
- Lactation Room Map
- Single User Restroom Map

Utilities Mapping

- All Utilities
- Chilled Water
- Air
- Electrical Distribution
- Electrical Lighting
- Gas
- ITS Fiber
- Sanitary
- Steam
- Storm Water
- Tunnels and Vaults
- Water
- Controls BAS Map
- Emission Points
- Soil Borings

Other Campus Maps

- Smoking Areas
- Easements
- Sustainability
- University Parcels

Site Mapping

- Trees Inventory
- Signs and Monuments
- Dumpsters Map
- Historical Markers
- Native Plants
- Art on Campus
- MNRA Trails
- Memorials
- Landscape Services
- Campus Spaces and Benches

Printable Maps

- Main Campus
- Hawkeye Campus
- UI Research Park
- MNRA
- Named Buildings
- Institutional Roads
- Campus Parking
- Custodial Zones
- Landscape Services Zones
- Maintenance Zones
- Center for Advancement Maps
- Campus Tours

Non-Campus Maps

- OpenStreetMaps
- Google Maps
- Apple Maps
- Tomtom Maps
- Bing Maps

IOWA

Institutional Benefits

- Integrate space data with other management and budget applications. (DWPROD/BI/AiM/TMA/PI & Energy Cap)
- Extend the capital-planning horizon for long-term funding projections. (Master Planning/Sightlines)
- Improve the campus planning and project delivery process. (Capital Planning /Project Programing and Design)
- Promotes a year-round planning and budgeting process in accordance with the university mission and overall strategic and operational goals. (CEA/Unit Plans)
- Reduce the “crisis management” time associated with service and/or asset disruption. (Floods/COVID)
- Reduces lost time associated with locating assets and spaces.

FIS: SIMS and Campus Mapping Institutional Support

Questions?

Thank you!



Building Coordinator

Next meeting:

March 20, 2024, via zoom 11 AM to 12 PM

Proposed Agenda:

- Building Heating to Cooling Switchover
- Earth Day
- FM@YourService Reporting of repair issues/Service Priorities

Questions?
THANK YOU!

Feedback welcome by emailing stephanie-rourke@uiowa.edu