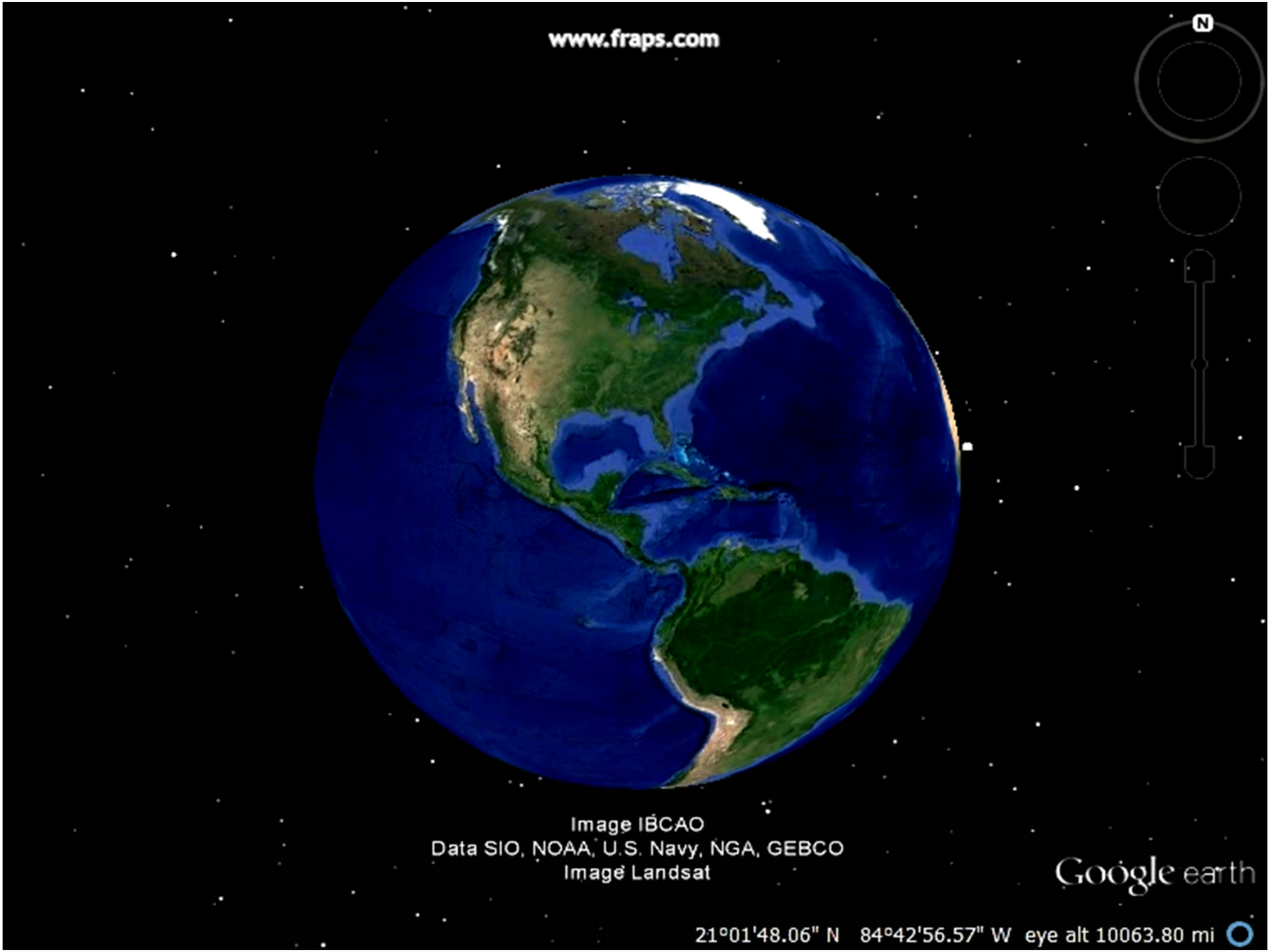
Florida Institute of Technology
High Tech with a Human Touch™

Facilities Management


www.fraps.com
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Google earth
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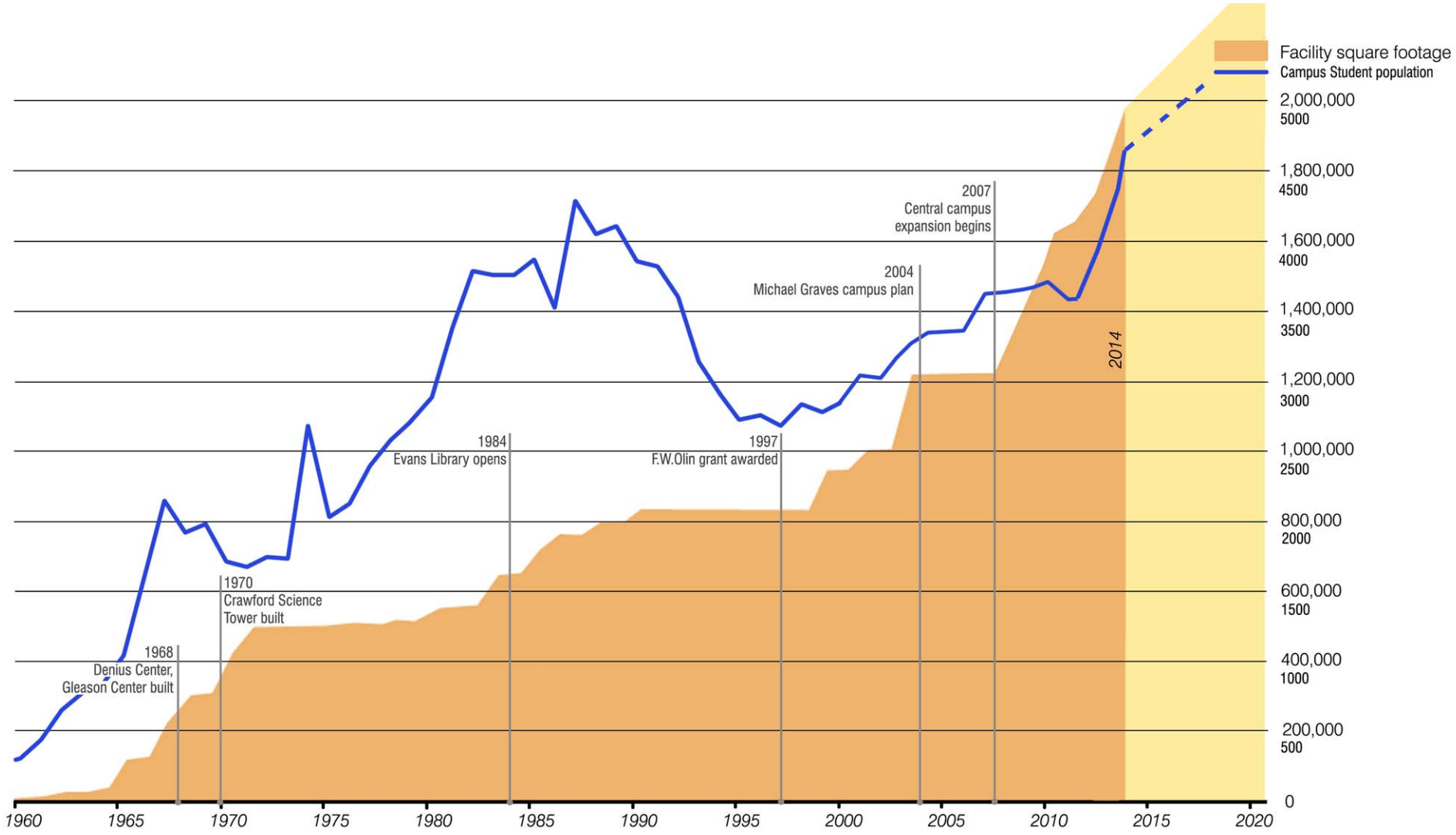
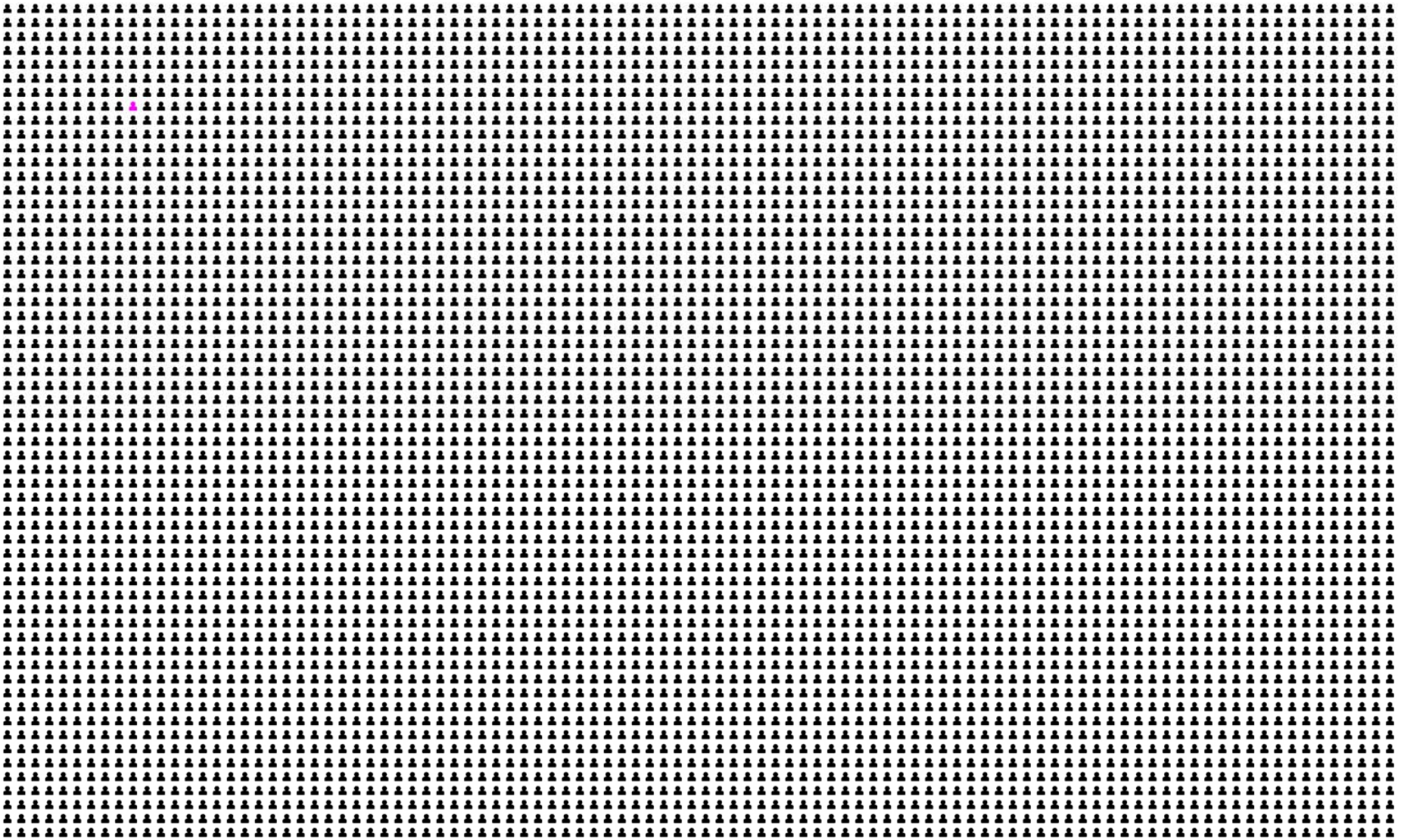
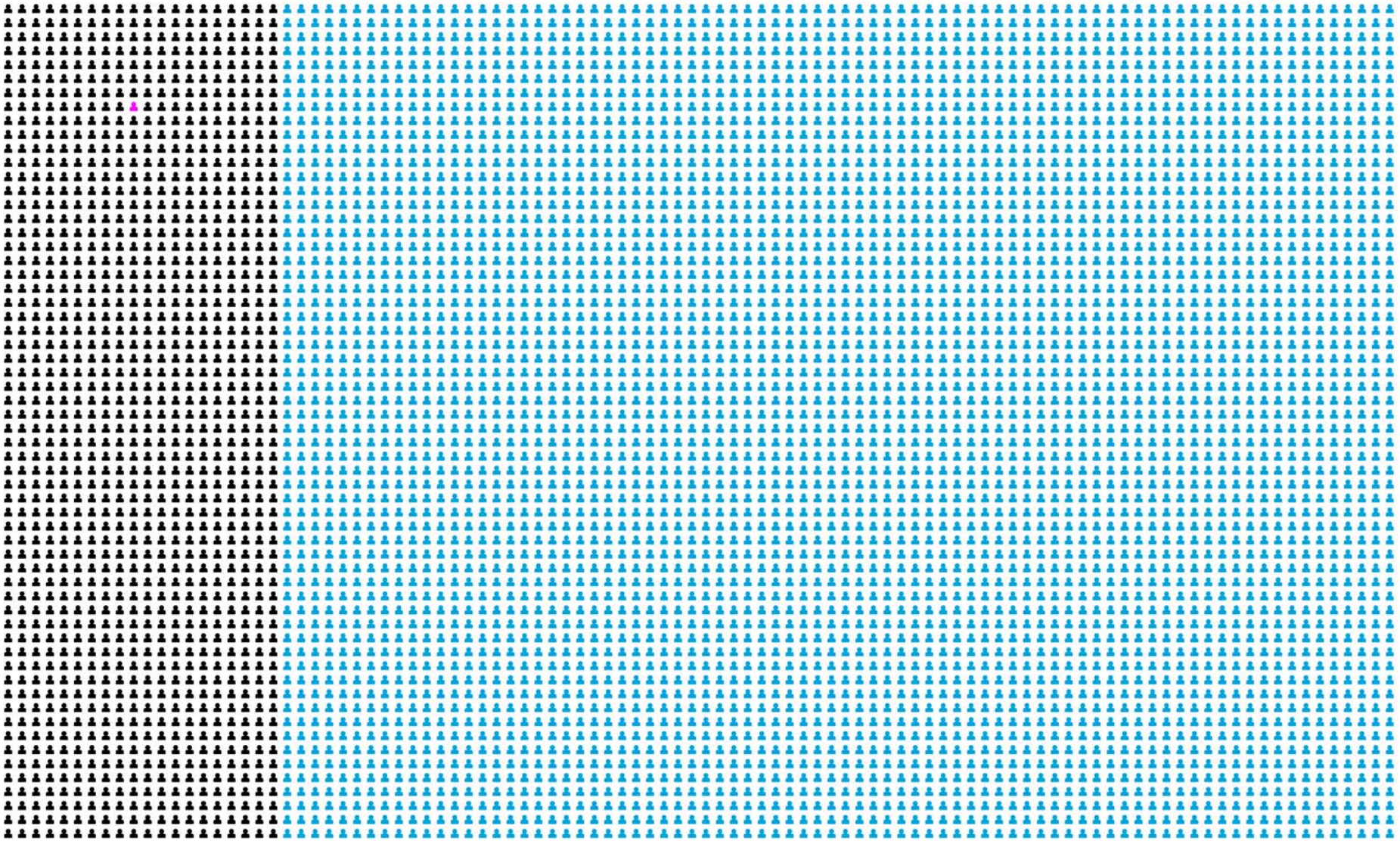
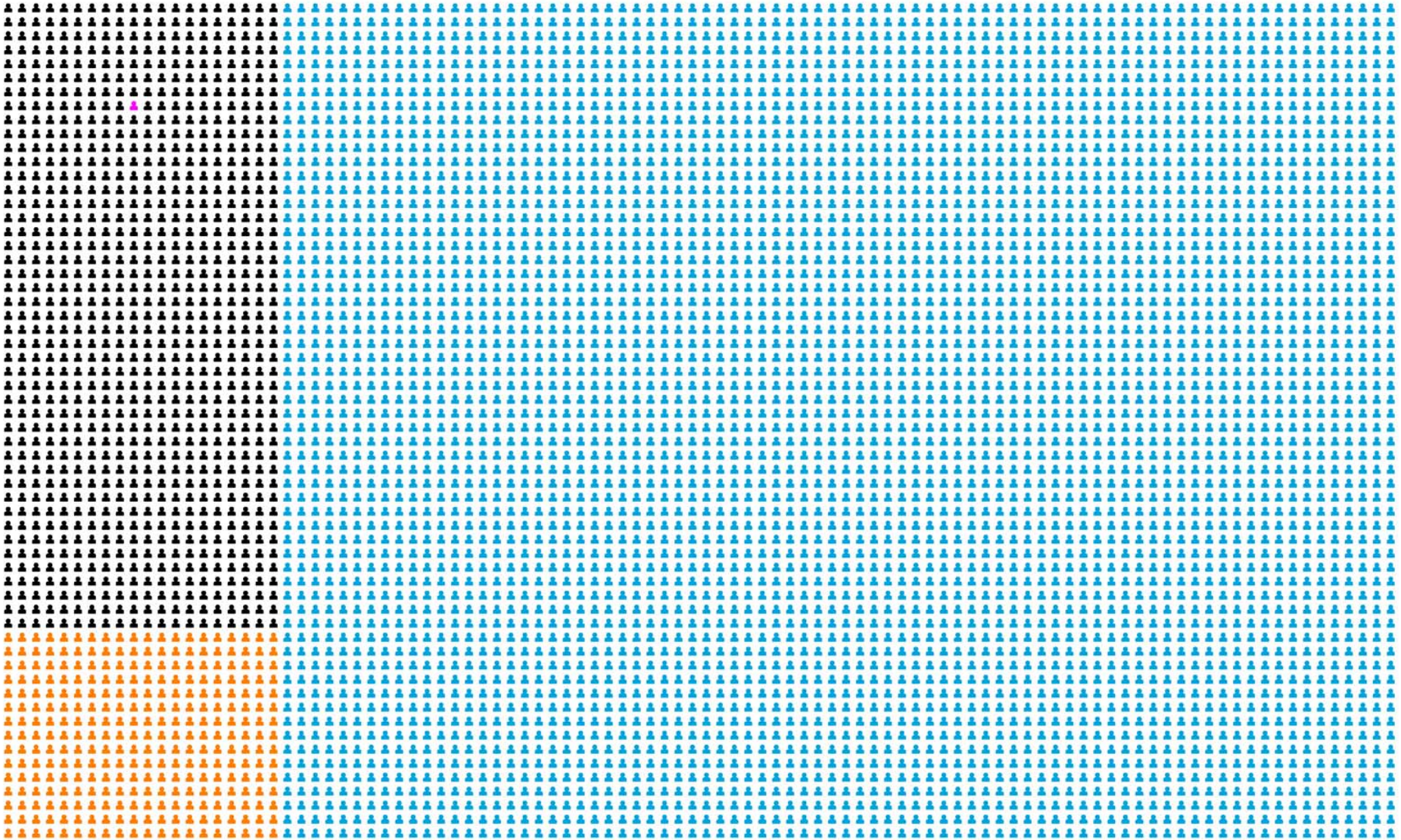
THE CAMPUS PLAN

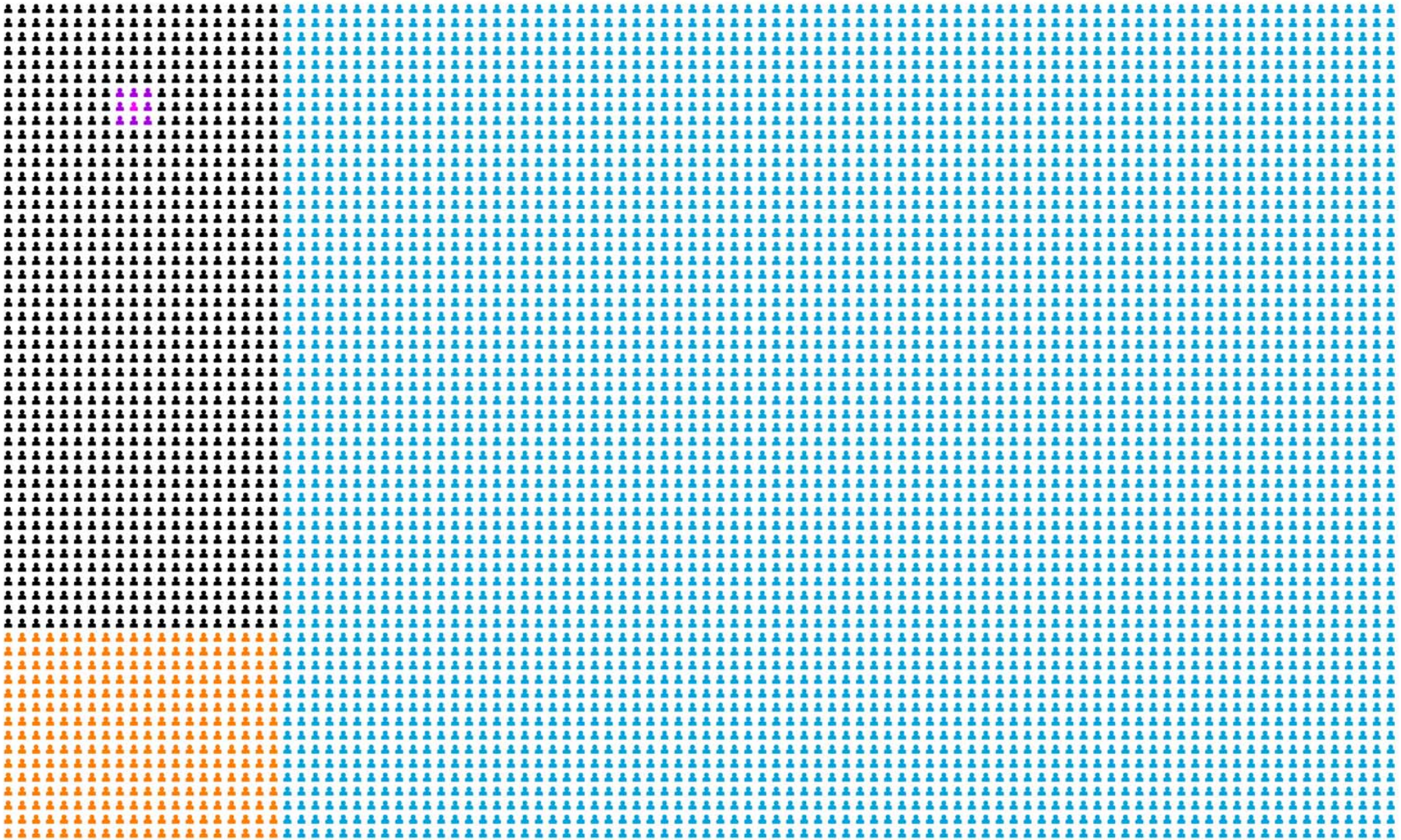
THE CAMPUS PLAN

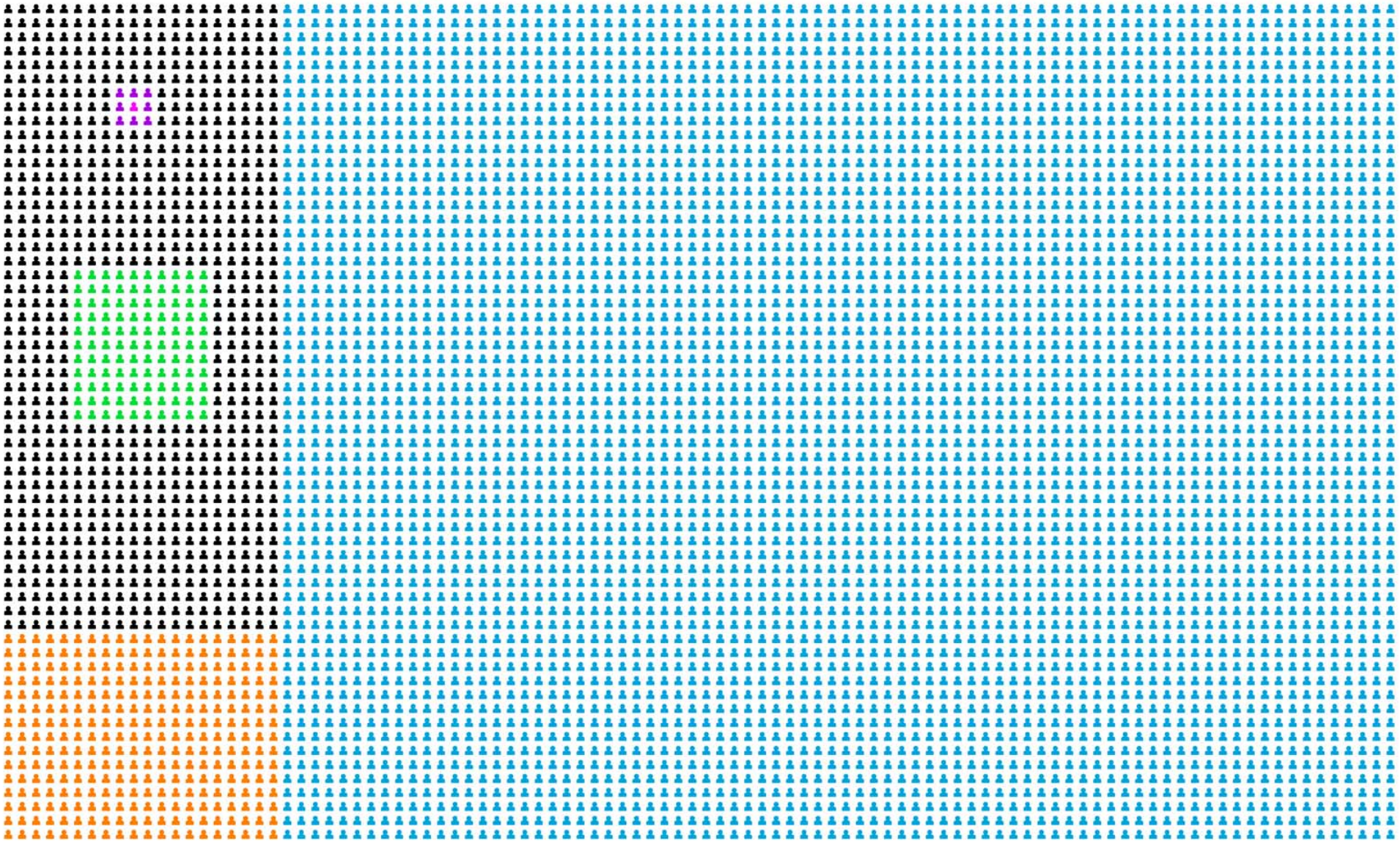

Facility square footage
Campus Student population
2,000,000
5000
1,800,000
4500
1,600,000
4000
1,400,000
3500
1,200,000
3000
1,000,000
2500
800,000
2000
600,000
1500
400,000
1000
200,000
500
0
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
1968
Denius Center,
Gleason Center built
1970
Crawford Science
Tower built
1984
Evans Library opens
1997
F.W.Olin grant awarded
2004
Michael Graves campus plan
2007
Central campus
expansion begins
2014

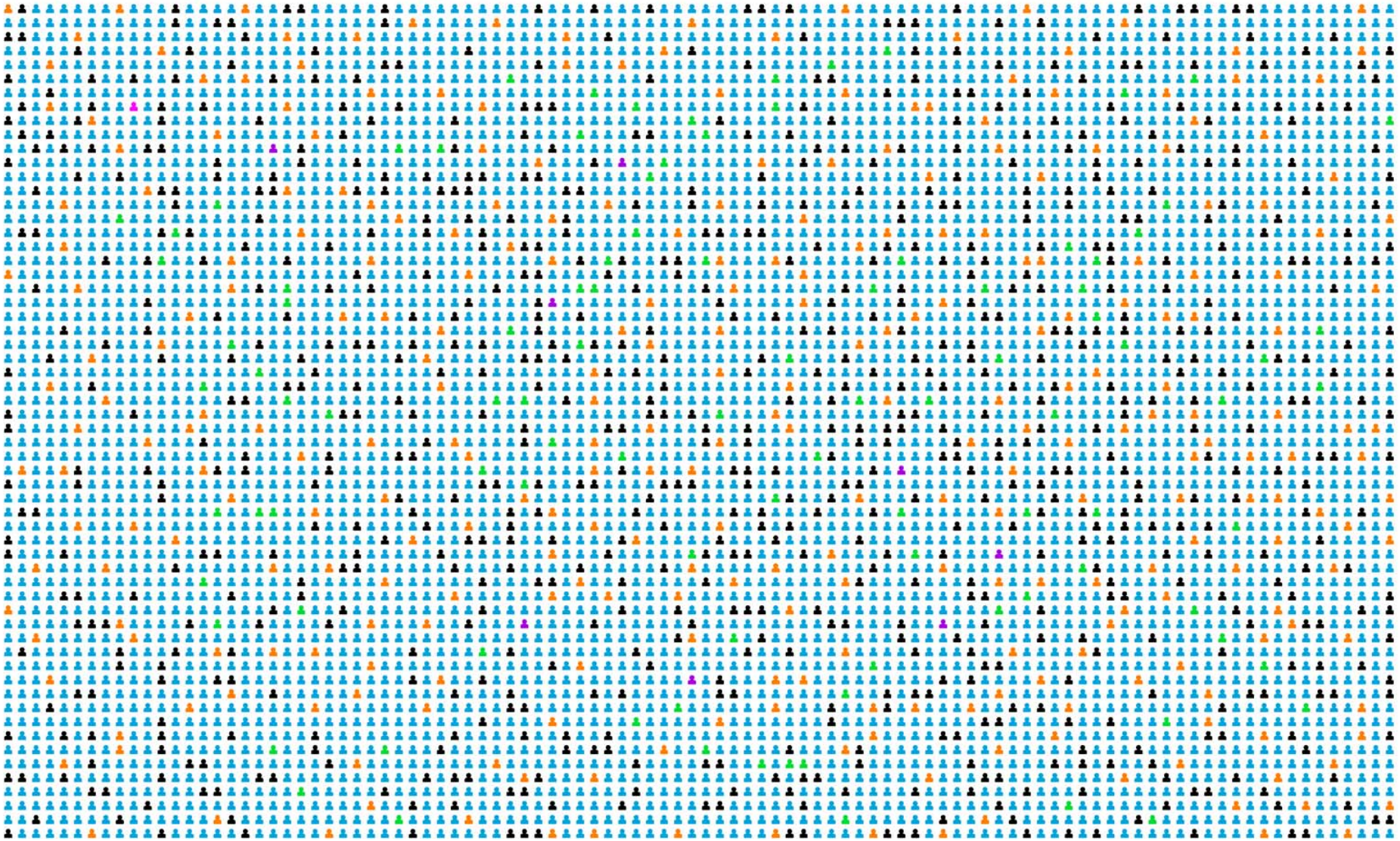


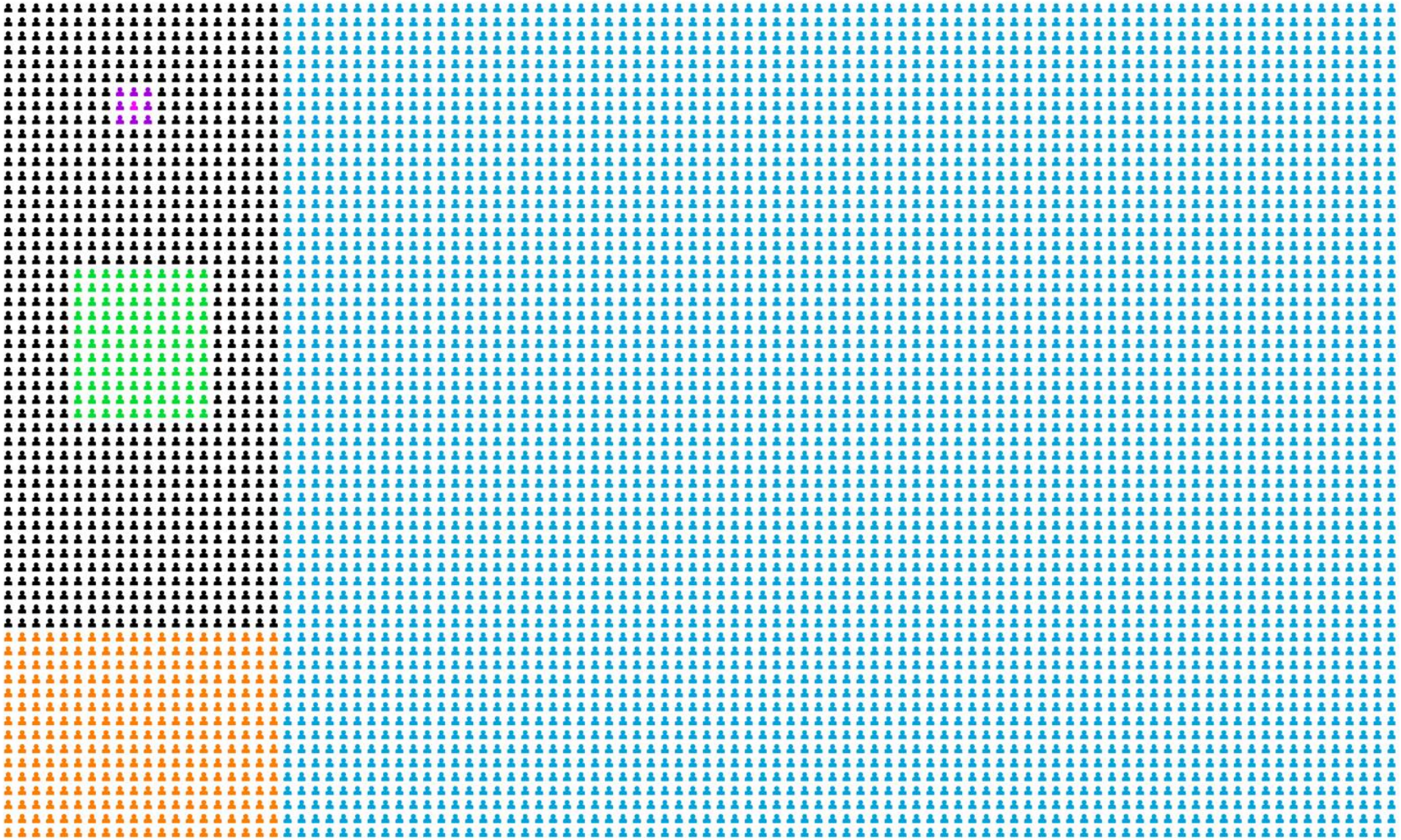




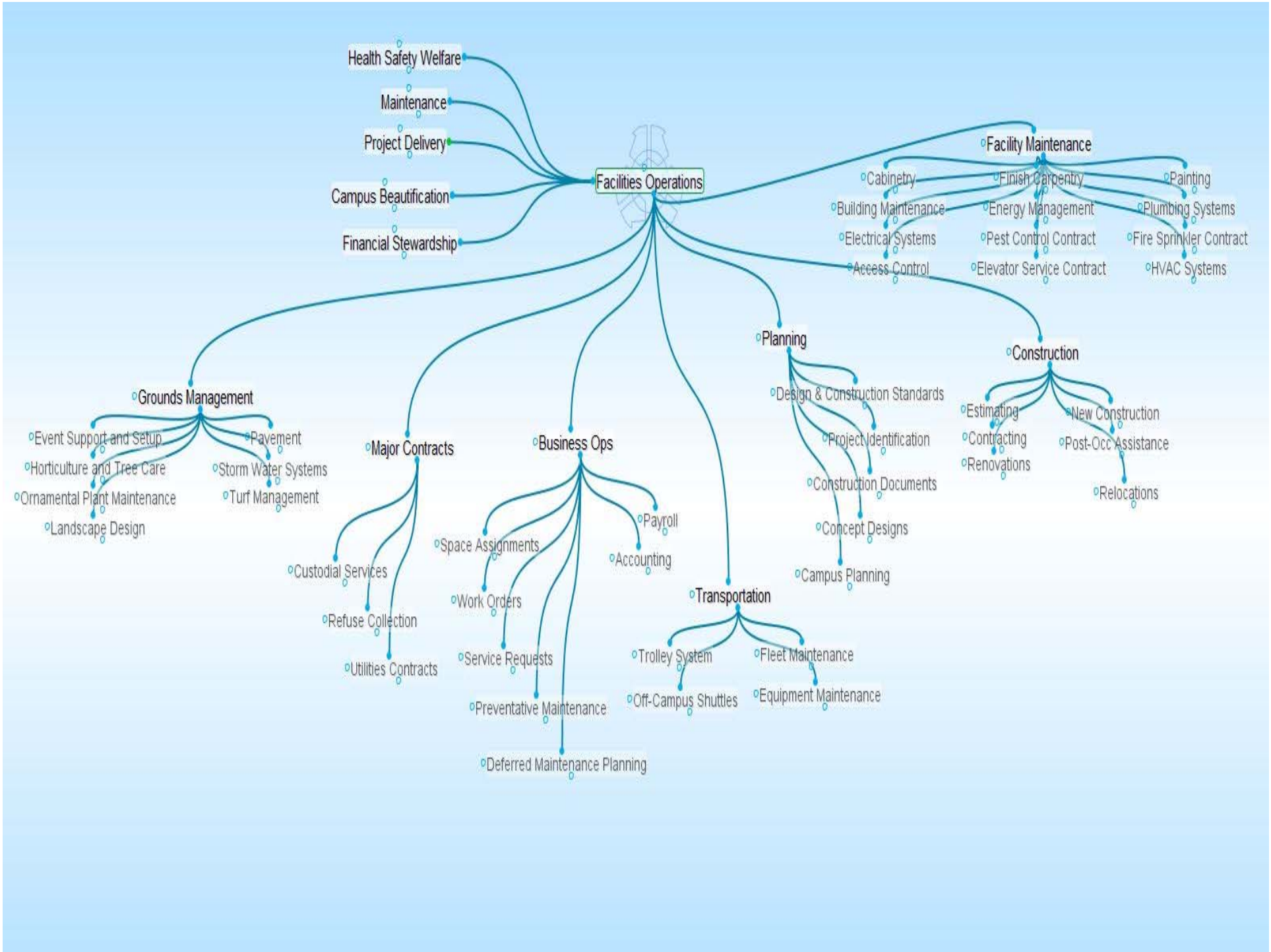








Facilities Operations Mission:	**To create environments that support the HEALTH, SAFETY, and WELFARE of the University community;**
	To ensure the proper MAINTENANCE of the University physical assets in good working order;
	PROJECT DELIVERY that supports the growth and evolution of the University;
	CAMPUS BEAUTIFICATION supporting an environment of active intellectual pursuit; and
	FINANCIAL STEWARDSHIP that enables the long term sustainability of the campus.


Health Safety Welfare
Maintenance
Project Delivery
Campus Beautification
Financial Stewardship
Facilities Operations
Facility Maintenance
Cabinetry
Finish Carpentry
Painting
Building Maintenance
Energy Management
Plumbing Systems
Electrical Systems
Pest Control Contract
Fire Sprinkler Contract
Access Control
Elevator Service Contract
HVAC Systems
Grounds Management
Event Support and Setup
Pavement
Horticulture and Tree Care
Storm Water Systems
Ornamental Plant Maintenance
Turf Management
Landscape Design
Major Contracts
Custodial Services
Refuse Collection
Utilities Contracts
Business Ops
Payroll
Space Assignments
Accounting
Work Orders
Service Requests
Preventative Maintenance
Deferred Maintenance Planning
Transportation
Trolley System
Fleet Maintenance
Off-Campus Shuttles
Equipment Maintenance
Planning
Design & Construction Standards
Project Identification
Construction Documents
Concept Designs
Campus Planning
Construction
Estimating
New Construction
Contracting
Post-Occ Assistance
Renovations
Relocations

Recycle Batteries

RECYCLE BATTERIES

Florida Institute of Technology

Aerosol Cans

AEROSOL CANS

Florida Institute of Technology

National®
Management Resources
Corporation

Campus Safety Policy

Policy Title:	**Green Cleaning Program**
Standard:	**Green Seal™ GS-42**
Effective Date:	**December 1, 2007**
Approved By:	**VP Operations/ VP Support Services**

Purpose

The following Green Cleaning Program has been established to clean Florida Institute of Technology using a method that protects human health and the environment. This plan has been developed in accordance with the Green Seal™ Environmental Standard for Cleaning Services (GS-42). The plan includes the following sections:

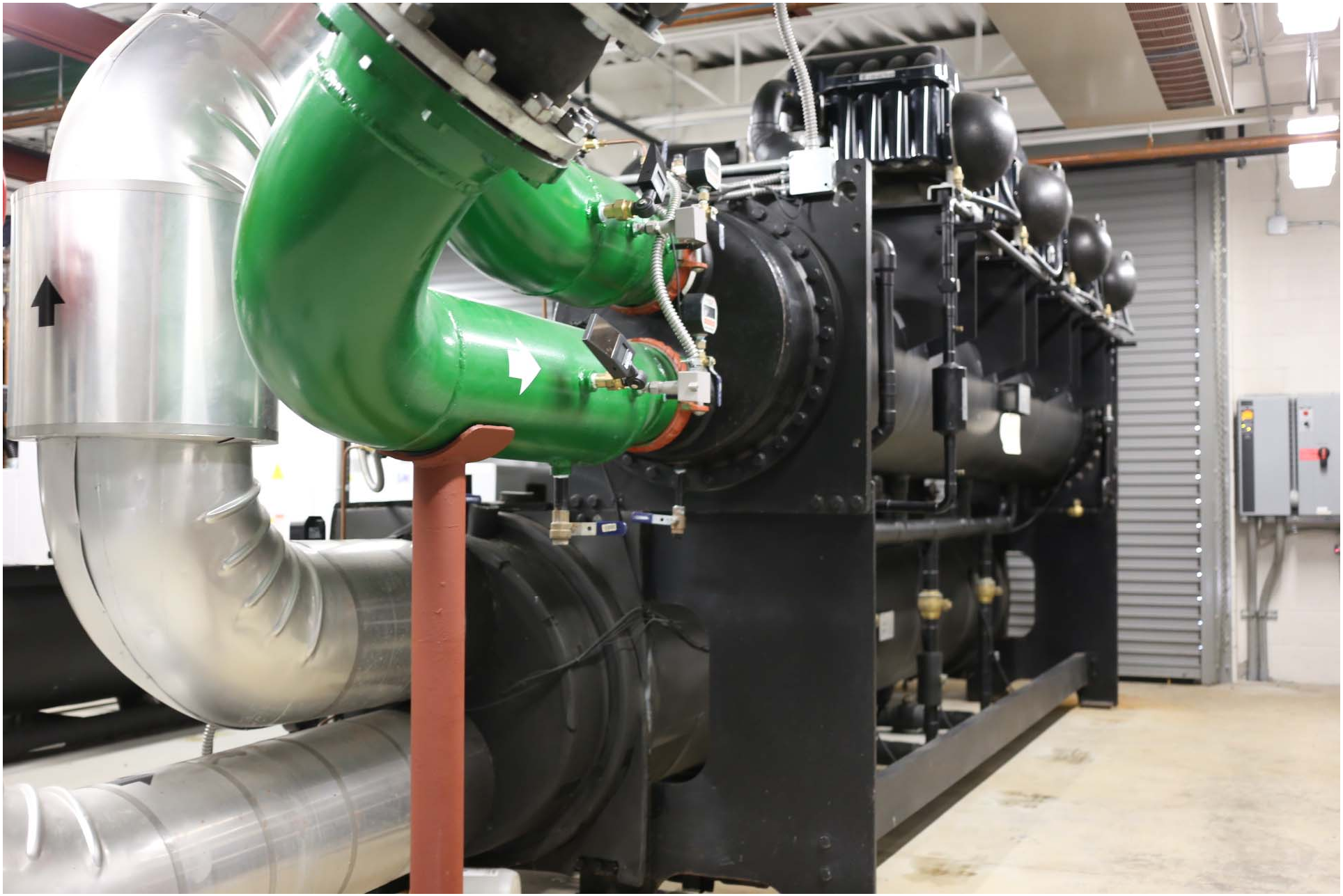
Communication Protocols
Cleaning Procedures
Chemical Use Plan
Hazardous Materials Operation
Protection of Vulnerable Populations
Waste Reduction
Indoor Sources of Pollution
Powered Equipment Use Plan
Floor Maintenance Plan
Integrated Pest Management


CARRYALL


PANTHER
EXPRESS


HOBART
HOBART


Worm Factory 360
Made in the USA
Worm Factory 360
Made in the USA



THE CAMPUS PLAN

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Existing tree canopy
Future tree canopy
Future new or renovated recreation green and stormwater system

TEN YEAR PROJECTS

BUILDING PROJECTS

Project site area

New structure

S1	Greek housing
S2	New dorm quad
S3	Student Center expansion
S4	College of Business building
S5	College of Psychology building
S6	Classroom buildings
S7	Interdisciplinary Research Center
S8	College of Engineering, Student Design Center
S9	Aeronautics annex

Major building renovation

R1	Link Building
R2	Keuper Administration Building
R3	Skurla Hall HVAC replacement
R4	Southgate residence halls
R5	Crawford building
R6	Gleason Center
R7	Evans Library Learning Commons
R8	Ray Work building
R9	Alumni House

PARKING & TRAFFIC IMPROVEMENTS

Parking lot/garage

Roadway improvement

P1	Country Club Road extension lot
P2	Jungle Road re-opening and Southgate traffic signal
P3	Southgate – Babcock Intersection
P4	Babcock "Complete Street" project
P5	University Blvd. "Complete Street" project
P6	Parking deck addition
P7	Parking deck addition
P8	Athletics complex parking lot

LANDSCAPE & INFRASTRUCTURE PROJECTS

Project site area

L1	South campus green
L2	Ellipse/underground drainage basin
L3	Pond expansion
L4	Chilled water plant and connection to C.E.P.

ATHLETICS & RECREATION PROJECTS

Project site area

A1	Sports lighting - Soccer, Softball, practice field
A2	Batting cages
A3	Bleachers and restrooms expansion
A4	Varsity locker rooms
A5	Tennis complex

Stormwater Management Plan Template

April 2012

Developed by Linsey Payne,
Masters Student Intern, University of Oregon

Edited by: Jacob Jansen
Sustainability Student, Florida Institute of Technology
Zach Moser
Sustainability Student, Florida Institute of Technology

Prioritization of projects by Drainage Basin

Project prioritization should be done in a way as to justify costs. This justification should come in the form of project monitoring and metrics. This will show what the return on investment per project is. The goal of a water management plan is to reduce flooding, run-off, and pollution discharge. Projects on the Florida Tech campus should look to meet these criterion in the order of run-off, pollution, flooding. This ordering of project goals will allow for sustainable management and discharge of stormwater. Project prioties will differ depending on the sub area of campus. A general list of projects should include:

North Reach

Table 2: North reach projects

Project	Description	Impact
WFIT drainage	Swale routing in the WFIT and gleason area to reduce flooding. Reduce load in the dry detention areas.	Less standing water to culture bacteria, and increase sanitation
Babcock parking lot drainage	Route run-off from the babcock parking lot into storage to reduce pollution discharge into the botanical gardens	Less pollution discharge, and slower release of stormwater
Pantherium creek clearance	Open channel in the creek to allow for more rapid discharge into wetlands.	Reduce chokes in lines discharging into this body of water. Reduces time to base of the watershed subareas
Permeability retrofit	Retrofit impervious areas in the northern reach of campus with open masonry stone, or permeable pavement.	Reduce run-off, leading to less loading on storage facilities and less strain on TMDL limits