



# Benefits of an integrated environment for Building Interior Space/ Facilities Management

July, 2012

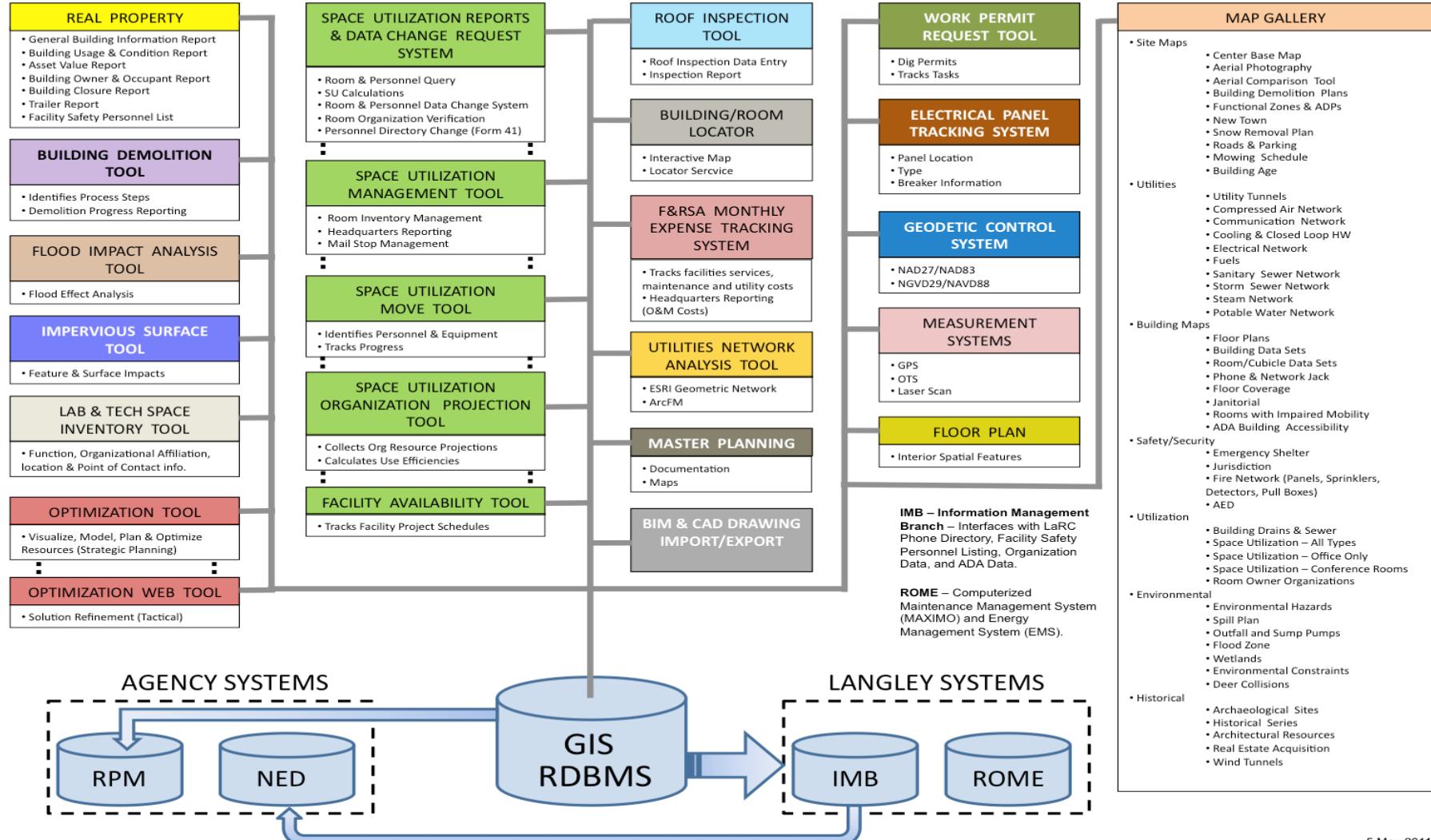


# Background





## Langley Research Center Spatial Data Management & Decision Support



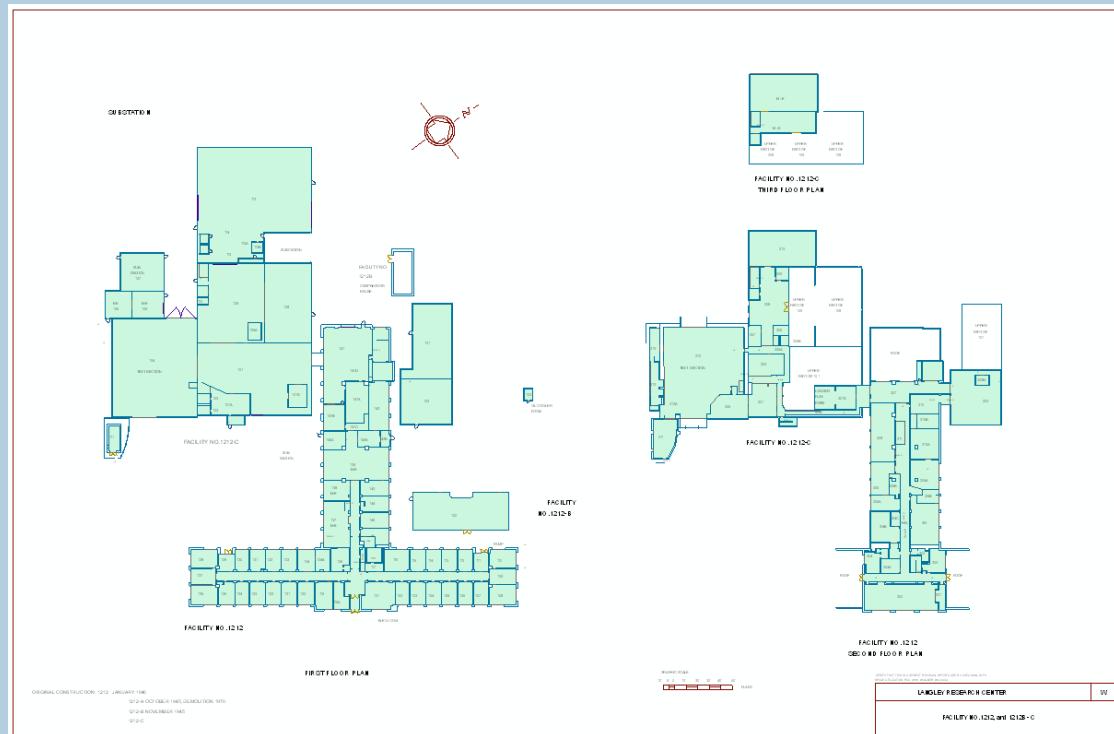
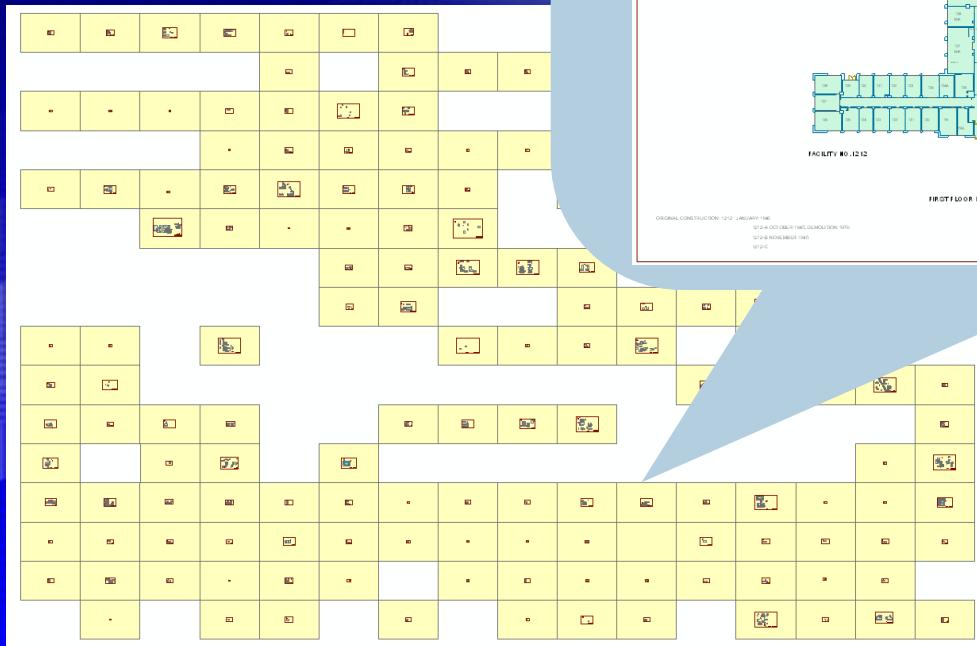


# Plant Data





# Building Data





# Building Data



Find Floorplan - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

Getting Started Latest Headlines

## NASA LaRC Floorplan Locator

This tool will help you find floorplan drawings for LaRC buildings. There are three items required to use this tool.

- Enter the building number you are looking for. Note that trailer numbers are required, ie 1209T8 not 1209T.
- Select any optional layers you would like turned on for you.
- Select the output type you would like(PDF or interactive map)

Note that there may be more than one building displayed on the drawing returned to you drawings in the same format as the original CAD drawings.

Building Number or Drawing Name:

Visible Layers:

CARD READER  
 ROOM  
 DRAIN  
 PLUMBING FIXTURE  
 FIRE  
 SPRINKLER  
 ELECTRICAL PANEL  
 HANDICAP ACCESS  
 COMMUNICATION JACK  
 WINDOW  
 STAIRS  
 WALL  
 ELEVATOR  
 DOOR  
 STRUCTURAL  
 FLOOR LOAD  
 ROOF  
 FLOOR  
 SITE  
 BORDER  
 DRAWING  
 DRAWING LEADER  
 ROOM LABEL  
 DRAWING ANNOTATION  
 Annotation Class 1  
 ROOM ANNOTATION  
 Default

What do you want?:    
   
Done

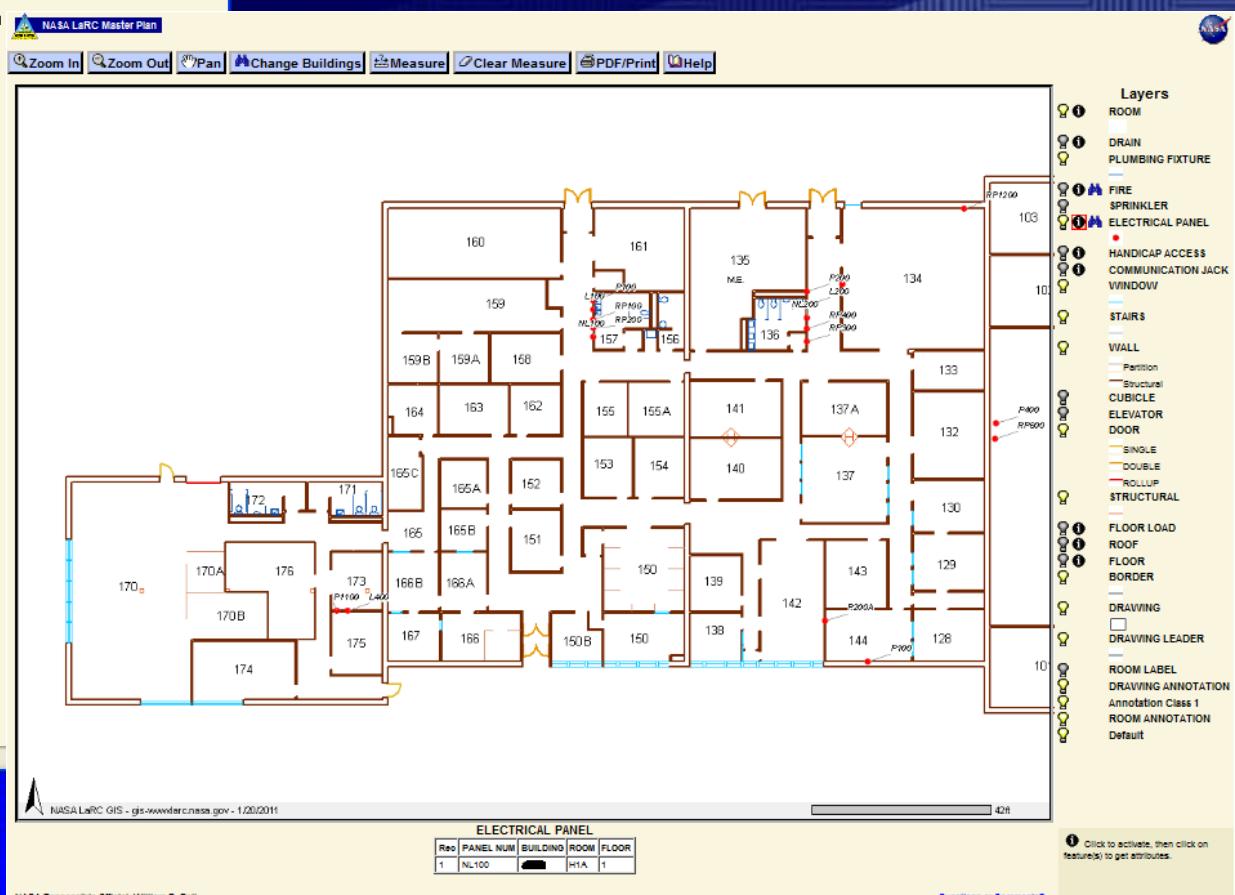
NASA LaRC GIS - gis-www.larc.nasa.gov - 1/20/2011

ELECTRICAL PANEL

Req	PANEL NUM	BUILDING	ROOM	FLOOR
1	NL100		H1A	1

NASA Responsible Official: William B. Bell

Questions or Comments?





# Data Validation



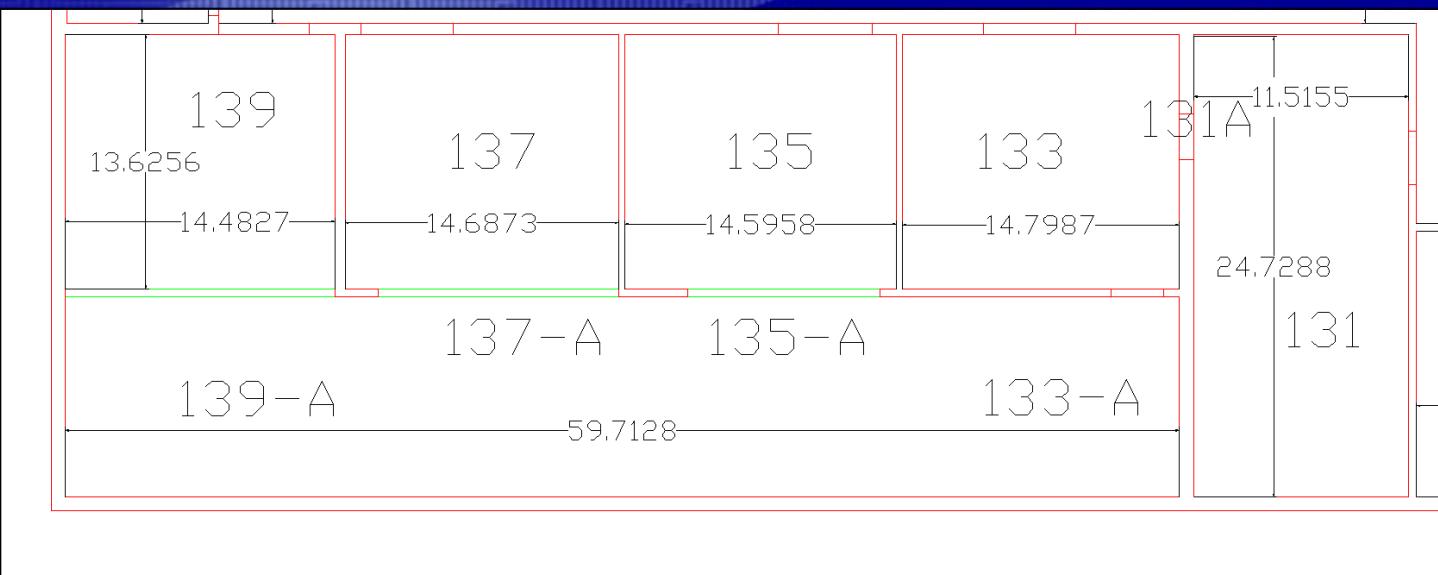
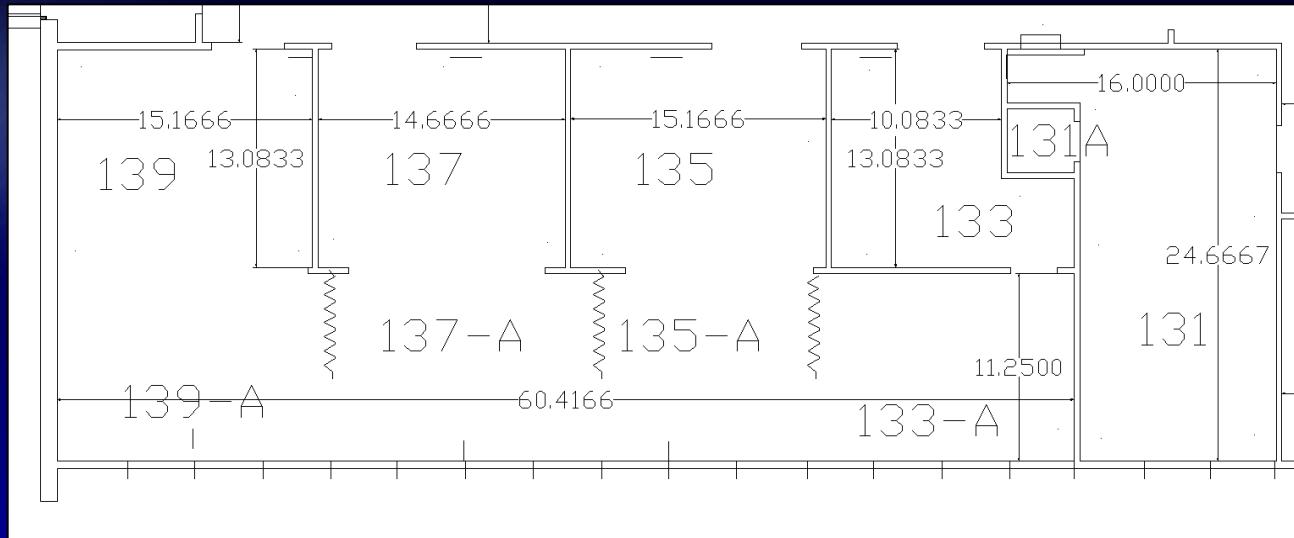
LaRC BLDG 1299 (60,907 sqft)



SURVEYED POINTS AND  
CORRECTED FACILITY POLYGON



# Data Validation





A zoomed in view provides more detail...

Clicked in view provides more detail...

Zoom In | Zoom Out | Pan | Change Buildings | Measure | Clear Measure | PDF/Print | Help

Layers

- ROOM
- DRAIN
- PLUMBING FIXTURE
- FIRE
- SPRINKLER
- ELECTRICAL PANEL
- HANDICAP ACCESS
- COMMUNICATION JACK
- WINDOW
- STAIRS
- WALL
- Partition
- Structural
- CUBICLE
- ELEVATOR
- DOOR
- SINGLE
- DOUBLE
- ROLLUP
- STRUCTURAL
- FLOOR LOAD
- ROOF
- FLOOR
- BORDER
- DRAWING
- DRAWING LEADER
- ROOM LABEL
- DRAWING ANNOTATION
- Annotation Class 1
- ROOM ANNOTATION
- Default

Most features within can be queried for additional information. In this case electrical panel 'NL100' has been identified.

NASA LaRC GIS - gis-www.larc.nasa.gov - 1/20/2011

ELECTRICAL PANEL

Req	PANEL NUM	BUILDING	ROOM	FLOOR
1	NL100		H1A	1

Click to activate, then click on feature(s) to get attributes.



NASA Langley Research Center  
Electrical Panel Tracking System

no body

## Panelboard Schedule

## Panelboard Directory

### Panelboard Schedule Selection Criteria

<u>Building #</u> 1238 - 1238 COMPLEX	<u>Room #</u> -- ALL --	<u>Panel Name</u> %	<u>Display Rows</u> 15
---------------------------------------	-------------------------	---------------------	------------------------

## Panelboard Schedule Selection Report

View Schedule	Bldg #	Room #	Panel Name	Panel Type	Voltage	Current Amps Rating	Frame Size	Main Breaker Amps	Panel Feed	Mounting	Location Detail
Go!	1238	159	L-100	3 Phase 4 Wire	277/480 VAC	225			Bottom Feed	Flush	Hallway
Go!	1238	173	L-400	3 Phase 4 Wire	120/208 VAC	600		150	Top Feed	Surface	MECHANICAL ROOM
Go!	1238	173	P-1100	3 Phase 4 Wire	277/480 VAC	600		125	Top Feed	Surface	MECHANICAL ROOM
Go!	1238	173	P-1100	3 Phase 4 Wire	277/480 VAC	600		125	Top Feed	Surface	MECHANICAL ROOM

## PANELBOARD SCHEDULE

3 Phase 4 Wire  
Bottom Feed 120/208 VAC NL-100 600 A Panel With - AF  
Feed From P-100 BRK #10, VIA 45 KVA XFMR. Flush Mounting

Bldg # 1238  
100 A Main BKR  
Bm - BLD 1238 Hallway

128

PDF

CKT NO.	AMP	POLE	DIRECTORY	LOAD KVA	WIRE SIZE	WIRE SIZE	LOAD KVA	DIRECTORY	POLE	AMP	CKT NO.
1	20	1	Lights Hallway		10	A	10	Lights outside + foyer	1	20	2
3	20	1	Lights Hallway		10	B	10	Rec Rm 155 N. Wall/Janitor C1	1	20	4
5	20	1	Rec Rm 159 (paging system)		10	C	10	Water cooler	1	20	6
7	20	1	DDC Control Panel		10	A	10	Clock Rec Rm 165	1	20	8
9	20	1	Fan Clean Rm		10	B	10	Code Call J-Box Rm 161	1	20	10
11	20	1	Fan Clean Rm		10	C	10	Rec Rm 159 (Rfrigerator)	1	20	12
13	20	1	Rec Hallway		10	A	10	Rec Hallway	1	20	14
15	20	1	SPARE		10	B	12	Rec Clean Rm	1	20	16
17	20	1	Exhaust Hood Rm 160		12	C	12	Light Clean Rm	1	20	18
19	20	1	Lights Rm 156 & 157		12	A	12	Outside Clean Rm/Zerox	1	20	20
21	20	1	SPARE			B	12	FAN Clean Rm	1	20	22
23	20	1	SPARE			C	12	EEZ Clean Rm	1	20	24



Edit	Bldg #	Room #	Room Type	Room Use	Cubicle Status	Org	Net Area	# of Occupants	Minimum Occupants	Room Status	Last Update
	582	100	Technical	TNIE - RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	2,425	0		Closed	20-APR-2010
	582	101	Miscellaneous	MSUA - SPECIAL USE AREA	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	139	0		Closed	20-APR-2010
	582	102	Miscellaneous	MSUA - SPECIAL USE AREA	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	66	0		Closed	20-APR-2010
	582	103	Office	OPEN - OFFICE, GENERAL	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	209	0	0	Closed	24-NOV-2010
	582	104	Office	OPEN - OFFICE, GENERAL	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	267	0	0	Closed	20-APR-2010
	582	204	Technical	TCTL - CONTROL ROOM	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	506	0		Closed	20-APR-2010
	582	206	Office	OPEN - OFFICE, GENERAL	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	354	0	0	Closed	20-APR-2010
	582	207	Office	OPEN - OFFICE, GENERAL	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	71	0	0	Closed	20-APR-2010
	582	208	Office	OPEN - OFFICE, GENERAL	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	203	0	0	Closed	20-APR-2010
	582	H1A	Unusable	UCHA - HALL	NONE	P7999 - UNUSABLE UNASSIGNED SPACE	303	0		Closed	16-JUN-2010
	582	H2A	Unusable	UCHA - HALL	NONE	P7999 - UNUSABLE UNASSIGNED SPACE	196	0		Closed	16-JUN-2010
	582	S1A	Unusable	UCST - STAIRWELL	NONE	P7999 - UNUSABLE UNASSIGNED SPACE	27	0		Closed	16-JUN-2010
	582	S2A	Unusable	UCST - STAIRWELL	NONE	P7999 - UNUSABLE UNASSIGNED SPACE	58	0		Closed	16-JUN-2010
	582A	105	Technical	TNIE - RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSOMIC TESTING BRANCH	1,042	0		Closed	20-APR-2010



Edit	Bldg #	Room #	Room Type	Room Use	Cubicle Status	Org	Net Area	# of Occupants	Minimum Occupants	Room Status	Last Update
	582	100	Technical	TNIE - RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	2,425	0		Closed	20-APR-2010
	582	101	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	139	0		Closed	20-APR-2010
	582	102	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	66	0		Closed	20-APR-2010
	582	103	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	209	0	0	Closed	24-NOV-2010
	582	104	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	267	0	0	Closed	20-APR-2010
	582	105	Technical	TNIE - RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	1,130	0		Closed	20-APR-2010
	582	106	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	1,275	0		Closed	20-APR-2010
	582	107	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	1,241	0		Closed	20-APR-2010
	582	108	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	1,214	0		Closed	20-APR-2010
	582	109	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	647	0		Closed	20-APR-2010
	582	110	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	1,242	0		Closed	20-APR-2010
	582	111	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	1,220	0		Closed	20-APR-2010
	582	112	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	1,247B	0		Closed	20-APR-2010
	582	113	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	1,195C	0		Closed	20-APR-2010
	582	114	Technical	RESEARCH MECHANICAL/ELECTRICAL EQUIPMENT	NONE	D501 - SUBSONIC/TRANSonic TESTING BRANCH	1,206	0		Closed	20-APR-2010

## Manage Interior Space

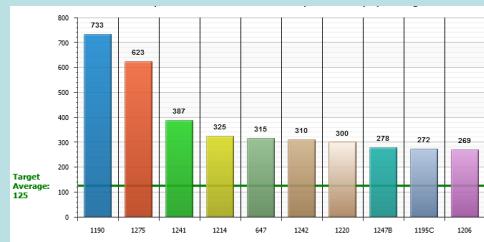
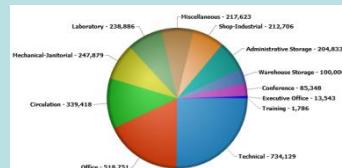
- Additions & Deletions
- Room Numbers
- Type Categorizations
- Track to Cubicle Level
- Responsible Owner (billin
- Size (ft<sup>2</sup>)
- Number of Occupants
- Accessible (open/closed)

## Query Space Availability

Room #	Usage Code	Plan Codes	Org Code	Area (Sq. Ft.)	# of Current Occupants	# of SES Eligible	# of Managers Eligible	# of Other Eligible
144	OTXX	D2	245	0	1	0	0	
151	OGEN	P7978	119	0	0	0	0	
153	OGEN	P7978	125	0	0	0	0	
156	OGEN	O	D2A	200	0	1	0	
159	OGEN	D2	165	0	0	0	1	
243	OGEN	D3	238	0	1	0	0	
243A	OGEN	D3	59	0	0	0	0	
244	OGEN	O	D3	160	0	0	1	
245	OGEN	D3	127	0	0	0	0	
247	OGEN	D3	125	0	0	0	0	
				1,563	0	3	2	



## Metrics





## Move Tool



Select?	Move Index ▲	Move Name	Request Status	Preferred Move Date	Scheduled Move Date	Coordinator Name	Coordinator Phone #	Primary Org Code	# of Personnel	# of Non-Personnel Rooms
<input type="checkbox"/>	COLE_2012_259	Move Cole to Library	Move Coordinator Approval Completed	07/27/2012		COLE, STUART KIRKHAM	(757) 864-5450	D501	1	0
<input type="checkbox"/>	CONRY_2012_248	MBarnes1216	Move Scheduled	07/06/2012	07/13/2012	CONRY, SUSAN LYNN	(757) 864-2011	H1	1	0
<input type="checkbox"/>	DAVIS_2012_243	Relocation of Becky Bales furniture, boxes to Building 1250	Move Scheduled	07/10/2012	07/11/2012	DAVIS, ANGELA M	(757) 864-1607	E3	0	1
<input type="checkbox"/>	EVANS_2012_244	Jerry Pellett, to B1221C R131	Move Coordinator Approval Completed	07/16/2012		EVANS, LAURA DANIELLE	(757) 864-8423	D306	1	0
<input type="checkbox"/>	EVANS_2012_245	Neal Hass, To B1221 R114	Move Coordinator Approval Completed	07/17/2012		EVANS, LAURA DANIELLE	(757) 864-8423	D306	1	0
<input type="checkbox"/>	EVANS_2012_256	T. Middleton from R114 to R116	Move Coordinator Approval Completed	07/17/2012		EVANS, LAURA DANIELLE	(757) 864-8423	D306	1	0
<input type="checkbox"/>	EVANS_2012_257	R. Irby, from R118 to R114	Move Coordinator Approval Completed	07/17/2012		EVANS, LAURA DANIELLE	(757) 864-8423	D306	1	0
<input type="checkbox"/>	EVANS_2012_258	S. Buccellato, from R120 to R118	Move Coordinator Approval Completed	07/18/2012		EVANS, LAURA DANIELLE	(757) 864-8423	D306	1	0
<input type="checkbox"/>	FORTUNE_2012_180	ASCENDS - 2	Move Scheduled	05/21/2012	07/19/2012	FORTUNE, JENNIFER LYNN	(757) 864-8402	E304	1	0
<input type="checkbox"/>	FROST_2012_260	Wall Move 1268 to 1195B	Move Scheduled	07/12/2012	07/16/2012	FROST, JENNIFER L	(757) 864-9950	D3	1	0
<input type="checkbox"/>	FULLER_2012_240	Relocate from room 101A to 129 in Bldg 1247E	Move Scheduled	07/05/2012	07/12/2012	FULLER, FRANKLIN EUGENE	(757) 864-2209	D5	1	0
<input type="checkbox"/>	FULLER_2012_264	Control Room Replacement	Awaiting Move Coordinator Approval	07/27/2012		FULLER, FRANKLIN EUGENE	(757) 864-2209	D5	0	1
<input type="checkbox"/>	HENSON_2012_230	Org A2 Relocation to Building 1219	Move Scheduled	07/10/2012	07/26/2012	HENSON, COURTNEY AMBER	(757) 864-9103	A2	6	0
<input type="checkbox"/>	MILLS_2012_261	Dave Wineman to 1190	Move Scheduled	07/16/2012	07/12/2012	MILLS, CHARLES T	(757) 864-8127	D501	1	0
<input type="checkbox"/>	NEWSOME_2012_234	CSAOB Group 2	Move Scheduled	06/29/2012	07/09/2012	NEWSOME, LAKESHIA EVETTE	(757) 864-1262	D318	7	0
<input type="checkbox"/>	REASON_2012_249	Kurt Severance	Move Scheduled	07/06/2012	07/09/2012	REASON, ANGELA FAYE	(757) 864-8576	D207	1	0
<input type="checkbox"/>	RICKS_2012_250	Phase 1 D302 Office Relocations	Move Coordinator Approval Completed	07/09/2012		RICKS, FELICIA LYNNE	(757) 864-2446	D302	9	0
<input type="checkbox"/>	RICKS_2012_251	Phase 2 D302 Office Relocations	Move Coordinator Approval Completed	07/16/2012		RICKS, FELICIA LYNNE	(757) 864-2446	D302	8	0
<input type="checkbox"/>	RICKS_2012_252	Phase 3 D302 Office Relocations	Employees Notified	07/30/2012		RICKS, FELICIA LYNNE	(757) 864-2446	D302	6	0
<input type="checkbox"/>	SAUNDERS_2012_253	Bldg 1194 (old STI space)	Move Scheduled	07/16/2012	07/18/2012	SAUNDERS, MAXINE A	(757) 864-2025	B7	6	0
<input type="checkbox"/>	SAUNDERS_2012_262	Building 1219	Move Scheduled	07/23/2012	07/18/2012	SAUNDERS, MAXINE A	(757) 864-2025	B7	1	0
<input type="checkbox"/>	SCHANZ_2012_206	B. Trieu Move	Move Coordinator Approval Completed	06/04/2012		SCHANZ, ALYSSA MARGUERITE	(757) 864-6531	D202	1	0
<input type="checkbox"/>	SEITZ_2012_236	B1298 Move "A"	Move Coordinator Approval Completed	06/29/2012		SEITZ, TERRIE T	(757) 864-5000	E6	4	0
<input type="checkbox"/>	YOUNG_2012_212	Furniture Bldg 1236 Rm 232	Move Coordinator Approval Completed	06/06/2012		YOUNG, SEBRENNNA LAVON	(757) 864-9474	D501	0	1



# Manage Personnel & Equipment Moves

- Identify Personnel
- Specify Destinations
- Identify Move Complexity
  - Furniture
  - Number of Boxes
  - Phone & Computer
  - Special Considerations
- Schedule Move
- Equipment Count Statistics
- Auto Generated Locator
- Update

# Notifications & Confirmations

- Auto Generated Email Notifications
  - Each Phase of Move Process
  - Employee, Employee's Supervisor, Losing Facility Manager, Gaining Facility Manager, Communications Support Offices, Security
- Move Coordinator Control and Approval

## Move Conflicts

- Constant Monitoring of Multiple Move Schedules, Highlighting Overlapping Space Conflicts.

From Bldg #	From Room #	From Cubicle #	To Bldg #	To Room #	To Cubicle #	Move Index	Move Name	Request Status	Scheduled Move Date	Move Type	Ends
1194	121	1268A	1113				JONES_2012_119	OCIO Staff	Move Scheduled	06/18/2012	Personnel
1268A	1113		1268B	2201			NEWSOME_2012_238	Mike Norman	Move Scheduled	06/25/2012	Personnel

- Exceeding Room Capacity  
Advisement.



# Verification of Current Resource Allocation

- Periodic Validation of Personnel and Spatial Resources by Organization/Group

## Current Onsite Complement Breakdown for D4

Personnel Classification	# Persons	Room Classification	# Rooms	Sq. Ft.
Civil Servant SES/Senior Level Managers	2	Executive Office	2	5,100
Civil Servant Managers	1	Office	23	5,100
Civil Servant Level II Project Managers	0	Conference	4	2,100
Civil Servant Principal Investigators	0	Training	0	0
Civil Servant Project Scientists	0	Laboratory	5	1,500
Civil Servant Employees	9	Technical	5	1,400
Contractor Managers	0	Shop-Industrial	9	27,600
Contractor Employees	10	Administrative Storage	0	2,100
Other Requiring Private Office	0	Warehouse Storage	3	10,000
Other Employees	0	Miscellaneous	0	2,200
		Operational	0	0
		Transient	0	0

Click on a classification name for its definition.  
Click on # Persons or # Rooms to view and/or correct current complement details.  
The **Organizational Verification/Corrections Tool** is recommended for extensive corrections.  
Allow 2 business days for corrections to be processed.

Name	Employee #
ALLEN, CHERYL L	LA3129AZ
BRIS, RODNEY T	LA3004AC
RAMALA L	LA3035AJ
MARSH, KENNETH GUSTAVO	LA1106CS
NILES, CHARLES E	LA7035AA
OSBORN, JAMES A	LA3047AD
QUENVILLE, THOMAS J	LA1002AT
QUINTANA, FLOYD ANTHONY	LA1105CD
WATKINS, LUCY B	LA3086AT

Personnel Directory Corrections			Room Data Corrections		Close	
SA Supervisor Position	Building #	Room #	Cubicle #	Room Assigned To Org. Code	Room Type	
R PAID CIVIL SERVICE	1229	210A		D4	Office	
R PAID CIVIL SERVICE	1195	1002		B601	Office	
R PAID CIVIL SERVICE	1229	148		D4	Office	
R PAID CIVIL SERVICE	1229	210		D4	Office	
R PAID CIVIL SERVICE	1229	110		D4	Office	
R PAID CIVIL SERVICE	1229	110A		D4	Office	
R PAID CIVIL SERVICE	1195	1004		B601	Office	
R PAID CIVIL SERVICE	1229	120D		D402A	Office	
R PAID CIVIL SERVICE	1229	108		D401B	Office	



## Projection Analysis

- Tactical Planning (6 -12 Month Projections)
- Strategic Planning (3 & 5 Year Projections)

### Organization Projections Data Report

[Return to Selection Criteria](#)

\* If the numbers displayed for an organization are entirely zeros, it typically represents that the organization has not completed projections yet for this data call.

Organization	Personnel Classification / Room Type	Data Call: FUO DEMONSTRATION Status: Open Date Range: 09/30/2011 - 10/14/2011				
		Start	6 mo.	1 Yr	3 Yr	5 Yr
D4 - CENTER OPERATIONS DIRECTORATE	Civil Servant SES/Senior Level Managers	2	2	2	2	2
	Civil Servant Managers	1	1	1	1	1
	Civil Servant Level II Project Managers	0	0	0	0	0
	Civil Servant Principal Investigators	0	0	0	0	0
	Civil Servant Project Scientists	0	0	0	0	0
	Civil Servant Employees	9	9	12	7	7
	Contractor Managers	0	0	3	3	3
	Contractor Employees	10	10	10	10	10
	Other Requiring Private Offices	0	0	0	0	0
	Other Employees	0	0	0	0	0
	Conference	4	5	5	5	5
	Training	0	0	0	1	1
	Laboratory	5	5	5	5	5
	Technical	5	5	5	5	5
	Shop-Industrial	9	9	9	9	9
	Administrative Storage	6	6	6	4	4
	Warehouse Storage	3	3	3	4	4
	Miscellaneous	10	10	10	10	10
	Operational	0	0	0	0	0
	Transient	0	0	0	0	0

Spreadsheet LRDF

### Upcoming Changes

- 1 Yr - increase 3 CS
- 1 Yr - Increase 3 Contract Managers

### On the Horizon

- 3 Yr - Decrease 5 CS
- 3 Yr - Need for Training Classroom
- 3 Yr - Relinquish 2 Admin Storage Rooms



# Org. Projection



## Report Numbers of Personnel And Additional Square Footage Needed

**Directorate RollUp Summary Report - Personnel/Office Totals**

[Return To Selection Criteria](#)

Zero numbers can represent that the organization has not completed projections for this Call Name.

Organization	Personnel Classification	Start	Projected Personnel Change Total	Projected Personnel Change Percentage	Projected Private Offices Change	Projected Private SQ FT Change	Projected General Office SQ FT Change
Organization Total:		0 0	0		0	0	0
C4 - SYSTEMS MANAGEMENT OFFICE	Civil Servant SES/Senior Level Managers	0 0	0	0	0	0	0
	Civil Servant Managers	0 0	0	0	0	0	0
	Civil Servant Level II Project Managers	0 0	0	0	0	0	0

**Center RollUp Summary Report - Personnel/Office Totals**

[Return To Selection Criteria](#)

Personnel Classification	Start # Personnel	3 Year # Personnel	Projected Personnel Change Total	Projected Personnel Change Percentage	Projected Private Offices Change	Projected Private SQ FT Change	Projected General Office SQ FT Change
Organization Total:							
D1 - RESEARCH SERVICES DIRECTORATE	Civil Servant SES/Senior Level Managers	48	52	4	8%	4	800
	Civil Servant Managers	127	130	3	2%	3	450
	Civil Servant Level II Project Managers	0	1	1	100%	1	150
	Civil Servant Principal Investigators	0	0	0	0%	0	0
	Civil Servant Project Scientists	0	1	1	100%	1	150
	Civil Servant Employees	1,366	1,439	73	5%	0	5,840
	Contractor Managers	0	6	6	600%	6	900
	Contractor Employees	1,573	1,614	41	3%	0	3,280
	Other Requiring Private Offices	0	3		300%	3	450
	Other Employees	24	25	1	15%	0	0
	Center Total:	3,354	3,522	168		18	2,900
							12,000

Spreadsheet | PDF

1 - 10

[Return To Selection Criteria](#)



## 1. Request Personnel Directory Change

(Electronic Langley Form 41 LaRC Directory Change Notice to report the current telephone number, mail stop, and work location for all NASA civil servants and affiliated non-NASA personnel housed on or off the Center.)

## 2. Request Room Data Change

(Space Utilization Change Notice to report missing rooms, non-existing rooms, room ownership changes, room type corrections, and master plan updates.)

## 3. Check Change Request Status

(Verify the status of requests created - All Larc Personnel)

## 4. Form 41 Administrator Check Change Request and Update Request Status

(Authorized Personnel Only - Requires Password Authentication)

## 5. Space Utilization Administrator Check Change Request and Update Request Status

(Authorized Personnel Only - Requires Password Authentication)



## Room, Organization, & Personnel

## *With hyperlinks*

**1238 - 1238 COMPLEX**

Room #	Assigned Organization	Room Type - Subtype	Substandard?	Closed?	Net Sq. Ft.	# of Cubicles	# of Occupants	Avg. Office Sq. Ft. Per Person	Min Office Occupancy	Max Office Capacity
150B	D402B	Office - OFFICE, GENERAL			133	0	1	133	1	1
150A	D402B	Office - OFFICE, GENERAL			168	0	0	168	1	2

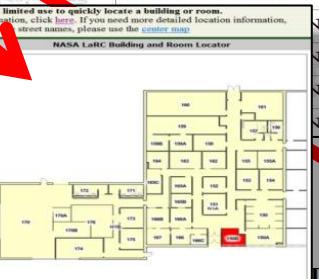
If you need floor information, click here. If you need more detailed location information, please use the [center map](#).

Locate  
Search : NASA LaRC  
View : Room Level  
Building : 1238  
Room (optional) : 150B  
Show

Options  
 Room Numbers  
Map Size : Small  
Printable Map  
Export to PDF  
Need Help ?

This map should not be used for survey accuracy.  
Source: NASA LaRC - Building 1238

Average



**Building 1238  
Room 150B**

Occupant's Name	Employee Type	Phone Number	NASA Position	Employee Title	Occupant's Organization	Occupant's Affiliation
LAWLESS, EDWARD E	Civil Servant	(757)864-9618	ALL OTHER PAID CIVIL SERVICE	ADMINISTRATIVE PROGRAM MANAGER	D402B	MAINTENANCE & UTILITIES BRANCH
		102	0	1	102	

**Organization Personnel Locator**



**D402B - MAINTENANCE & UTILITIES BRANCH**

Employee #	Cubicle	Employee Type	Phone Number	NASA Position	Employee Title	Occupant's Affiliation
GALEY, DANIEL THOMAS	1189	Civil Servant	(757)864-2128	ALL OTHER PAID CIVIL SERVICE	ELECTRICAL ENGINEER	MAINTENANCE & UTILITIES BRANCH
KOZORIZ, RYAN P	1195	Contractor	(757)864-4227	ALL OTHER PAID CIVIL SERVICE	GIS Analyst	LITES
BRYNER, RONDA F	1229	Civil Servant	(757)864-5216	ALL OTHER PAID CIVIL SERVICE	AST, EXPERIMENTAL FACIL DEVEL	MAINTENANCE & UTILITIES BRANCH
HENDERSON, ALAN W	1229	Civil Servant	(757)864-3721	BRANCH OR OFFICE CHIEF	SUPV EQUIP FACILITIES & SERVICES SPEC	MAINTENANCE & UTILITIES BRANCH
HARRELL, MICHAEL T	1229	Civil Servant	(757)864-4023	ALL OTHER PAID CIVIL SERVICE	SUPPORT SERVICES SPECIALIST	MAINTENANCE & UTILITIES BRANCH
WATERS, JIMMY R	1229	Civil Servant	(757)864-5745	ALL OTHER PAID CIVIL SERVICE	CONSTRUCTION CONTROL REPRESENTATIVE	MAINTENANCE & UTILITIES BRANCH
WIGGINTON, WESLEY A	1229	Civil Servant	(757)864-6955	ALL OTHER PAID CIVIL SERVICE	AST, EXPERIMENTAL FACILITY DEV	MAINTENANCE & UTILITIES BRANCH
HARRIS, JERRY R	1229	Civil Servant	(757)864-3689	ALL OTHER PAID CIVIL SERVICE	FACILITY OPERATIONS SPECIALIST	MAINTENANCE & UTILITIES BRANCH

Second Floor Plan	Min Office Occupancy	Max Office Capacity
1	1	1
12	1	19
1	1	2
20	20	31

Min Occupancy  
Ft. Per Person

Max Capacity  
Sq. Ft. Per Person



## Calculate LaRC's Net Square Footage

- Center Level or Plan
- Organizational Group Level

- Exclude Unusable Space (P7999)
- Exclude Substandard Rooms
- Exclude Closed Rooms

## Calculate Number of Onsite Personnel

- Center Level
- Organizational Group Level

## Calculate Average Office Space per Person

(excludes Executive Offices per revised guidelines, unless noted otherwise)

- Total Net Office Space / Total Office Occupants (HQ Method)
- Average Office Space per Organizational Group

Second Floor Plan       Second Floor Plan  
Average Office Space per Personnel Classification (Unoccupied offices are NOT factored, Executive Offices are factored)

### Net Square Footage (Directorate/Center)

- Average Office Space Per Person
- Number of Onsite Personnel (by Org/Center)
- Center Office Capacity
- Number of Under and Over Utilized Offices

## Calculate Number of Under Occupied Offices

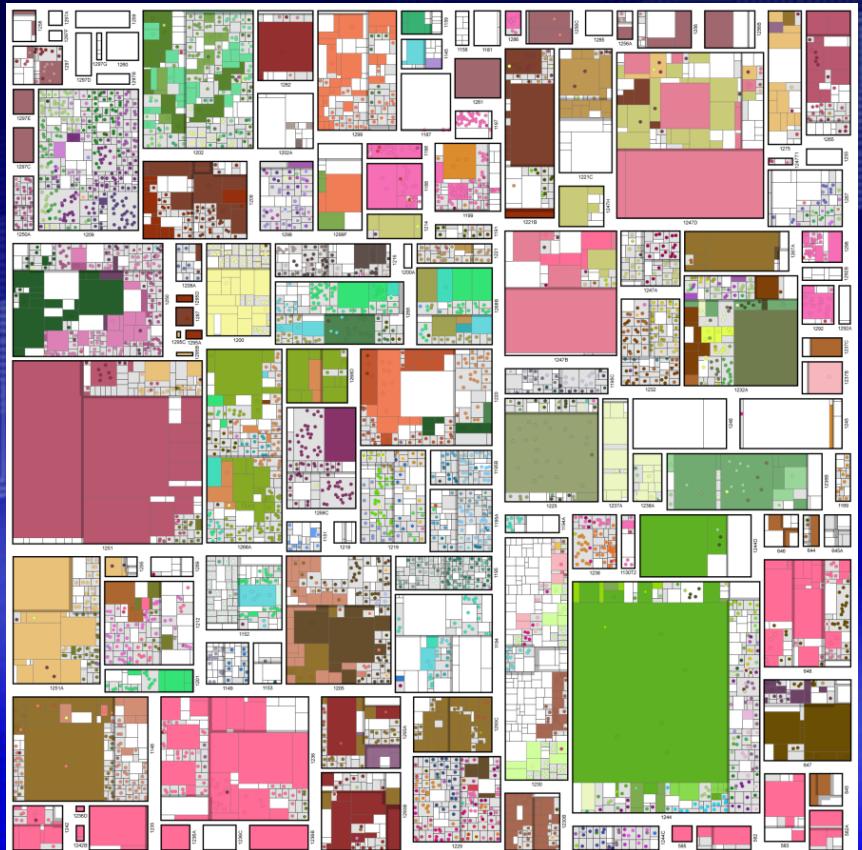
## Calculate LaRC's Office Occupancy Capacity

- Exclude Substandard Rooms

## Calculate Number of Over Occupied Offices

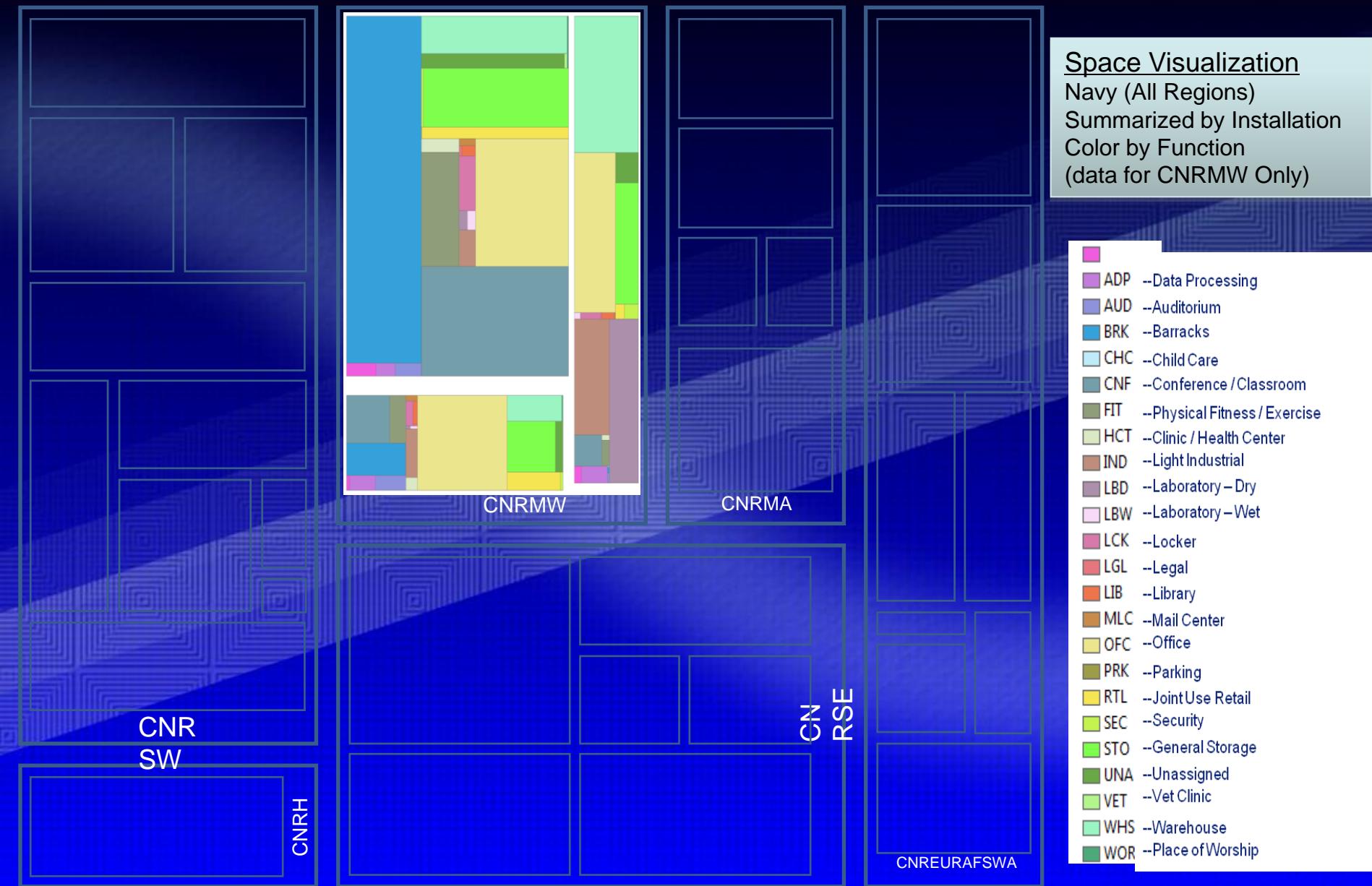


- Visualize assets
- Model organizational synergy, operational costs
- Plan complex move constraints
- Optimize solutions to save money and improve effectiveness



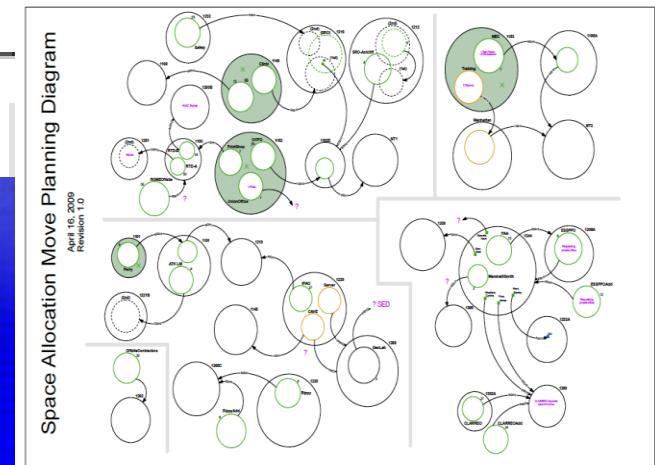
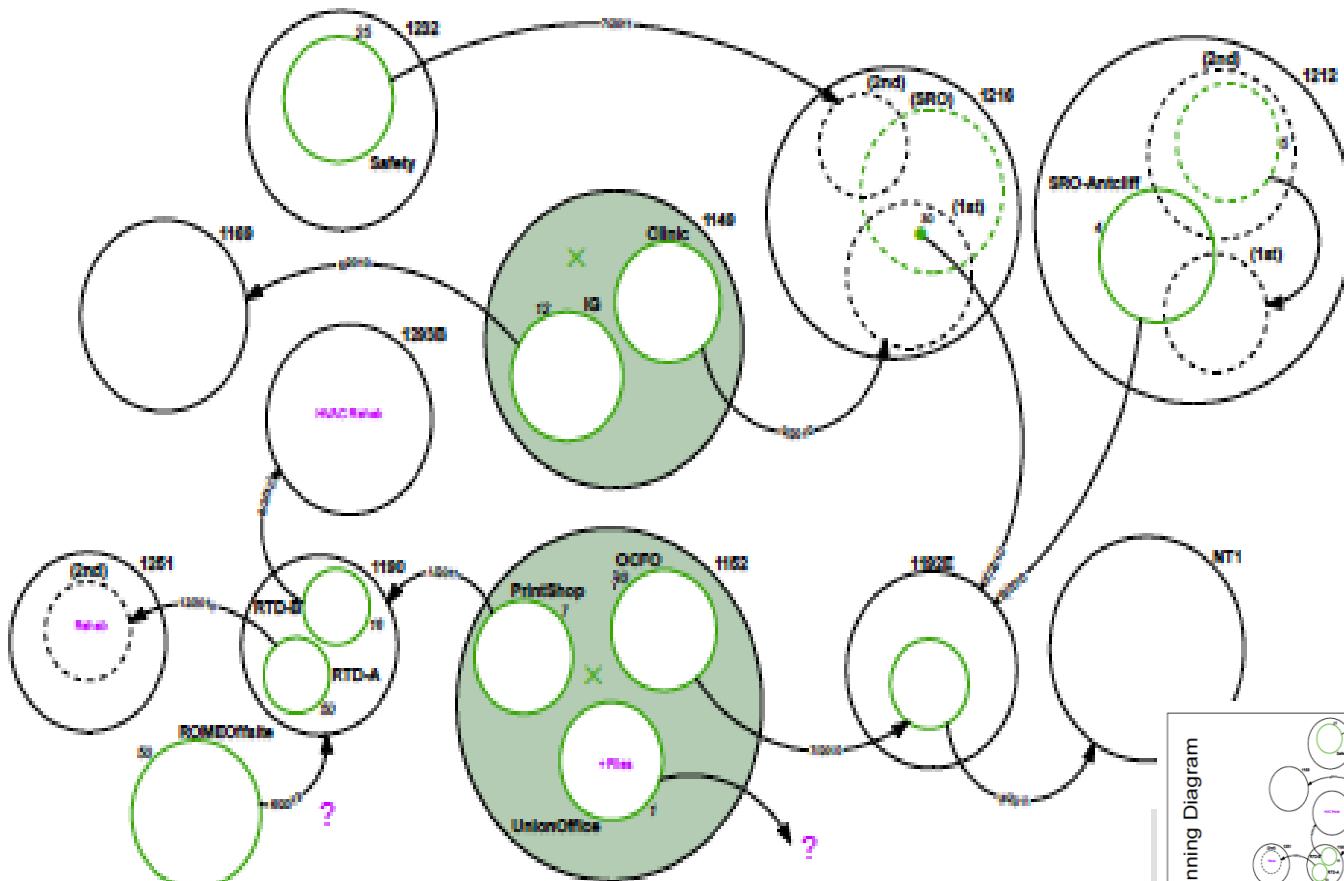


# Space Planning





# Constraint Diagram





# Optimization Plan

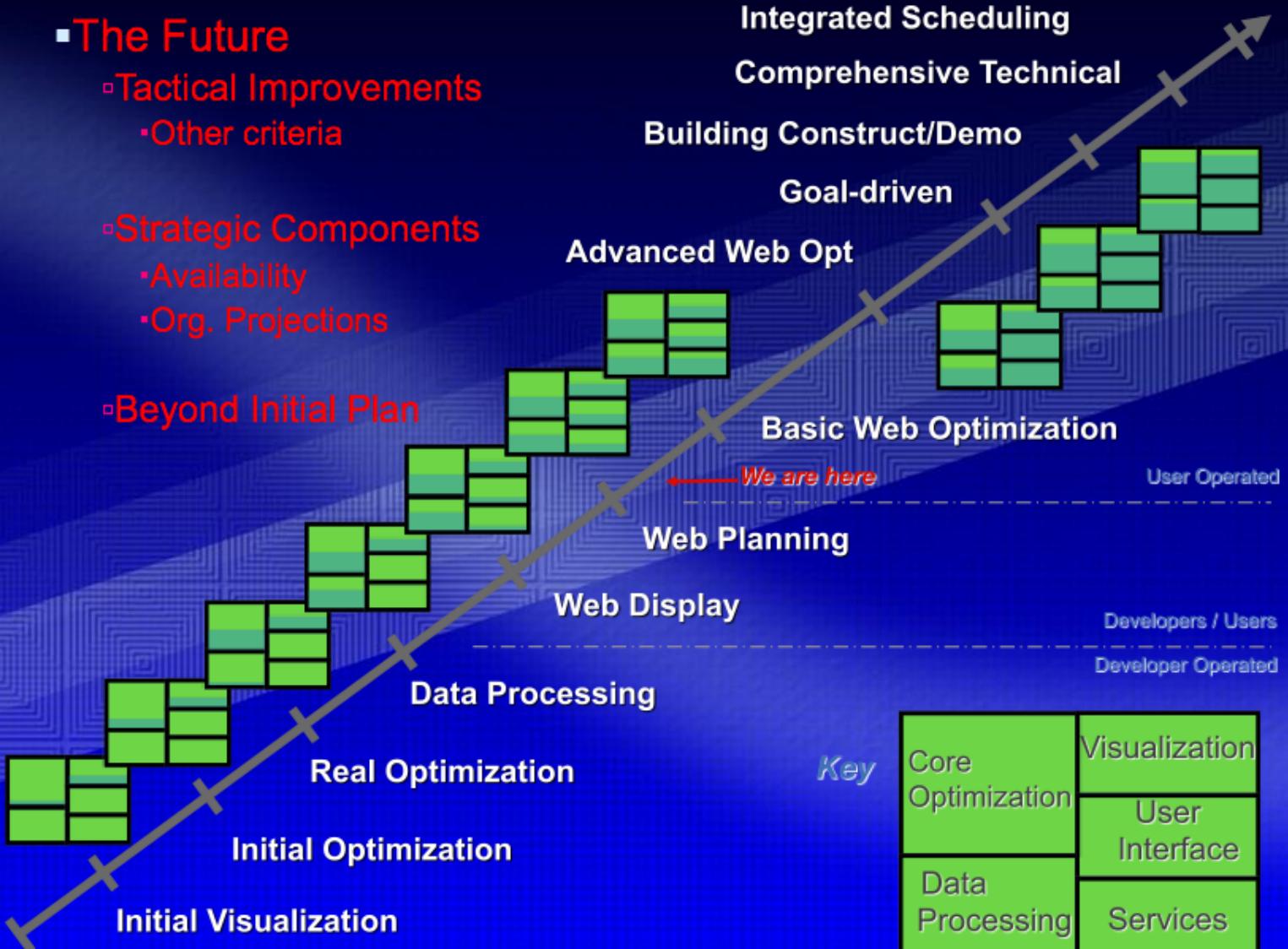


## ■ The Future

- Tactical Improvements
  - Other criteria

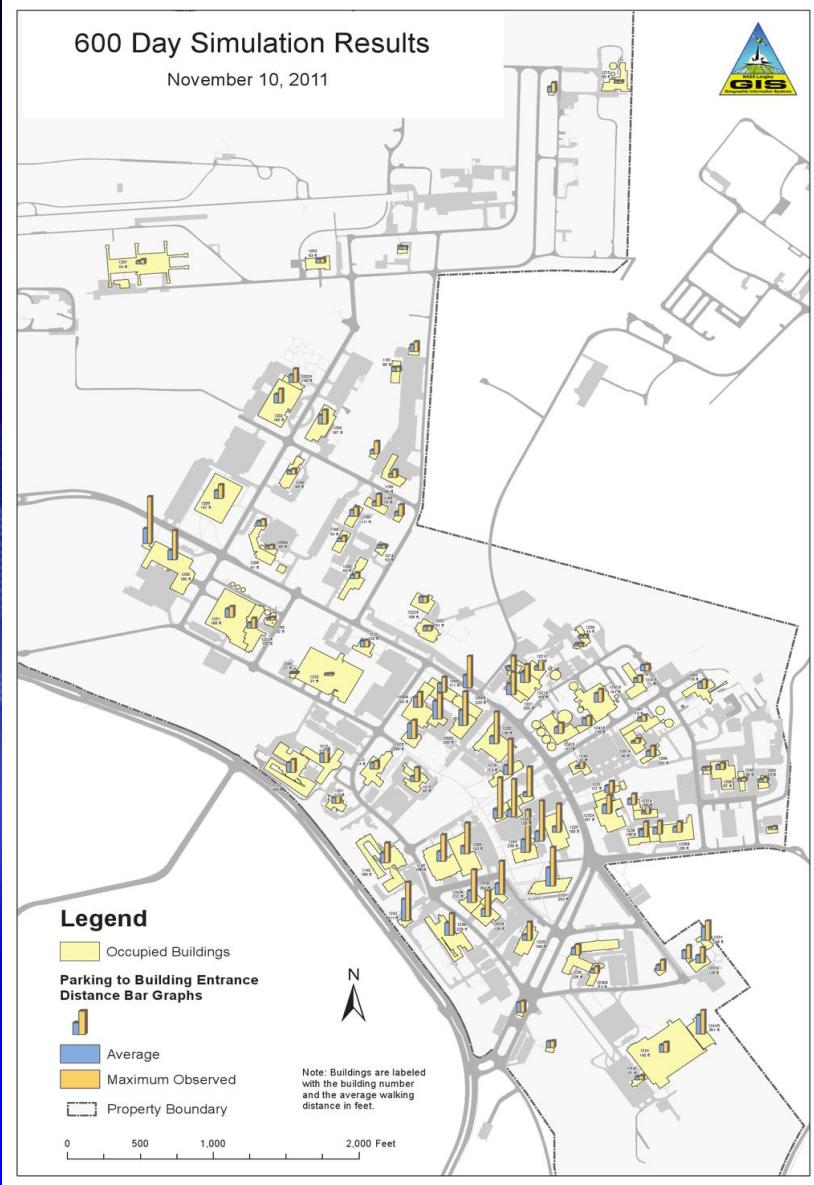
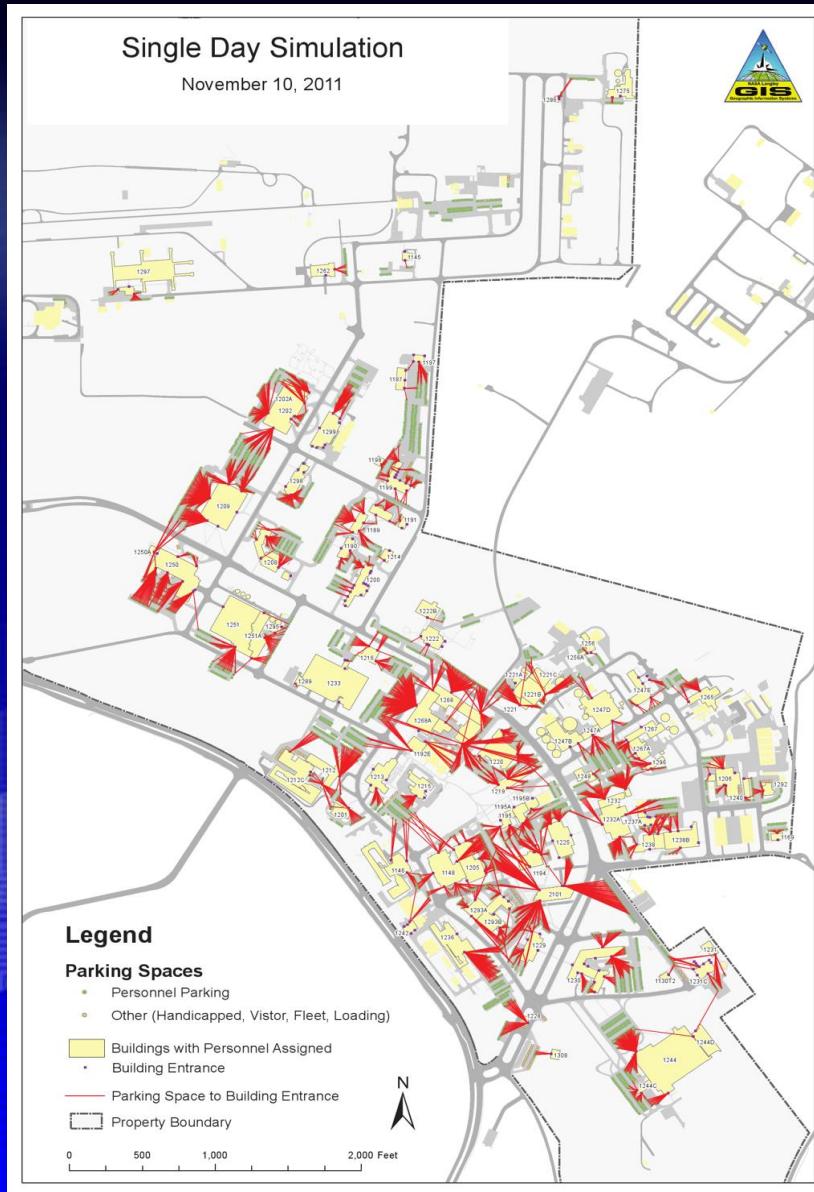
- Strategic Components
  - Availability
  - Org. Projections

- Beyond Initial Plan



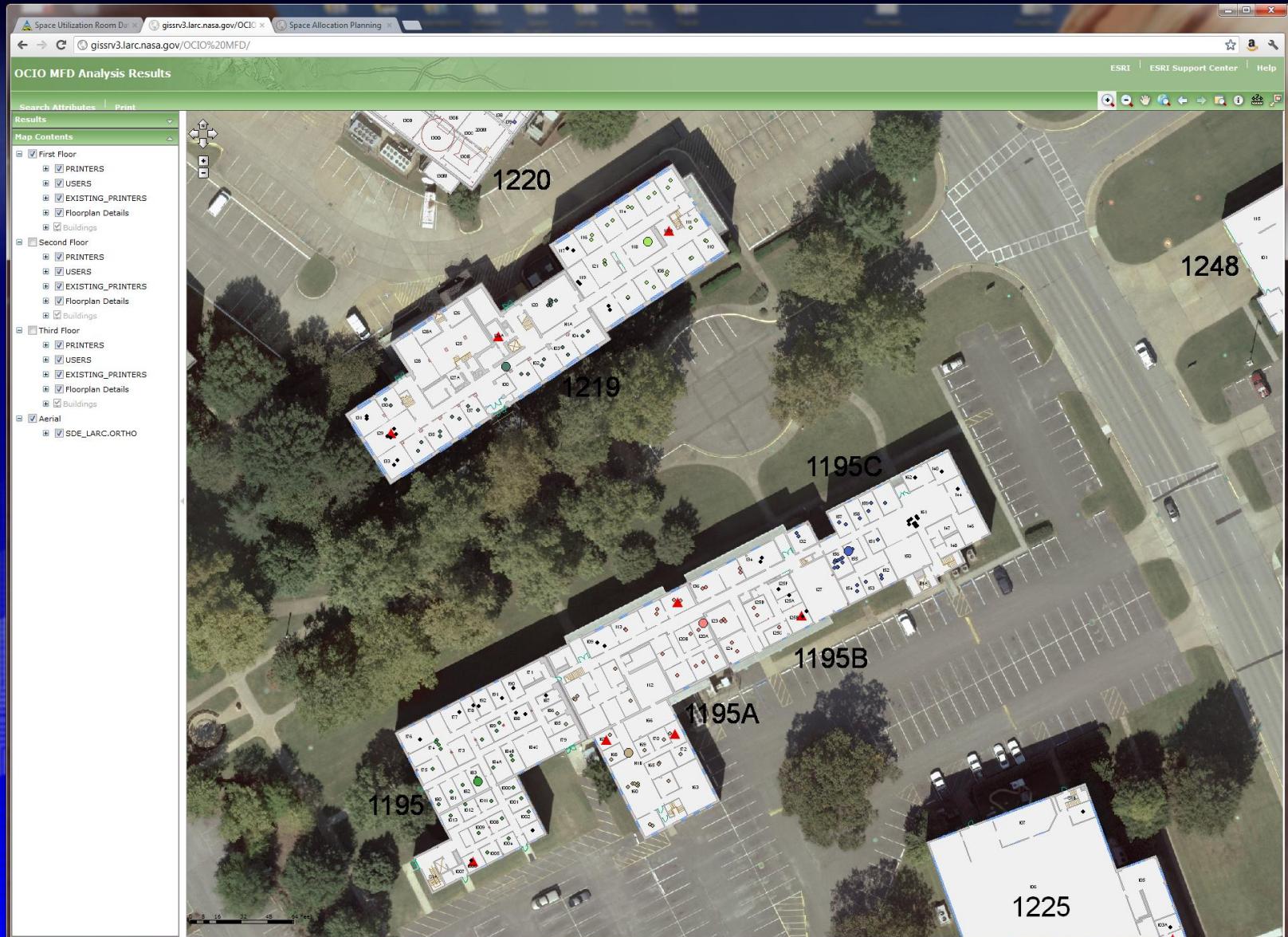


# Parking Analysis





# Printer Placement





## NASA Langley Research Center GIS Team

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