SMART NORTH FLORIDA

Democratizing Innovation

2023 Impact Report

SMARTNORTHFLORIDA.COM

What is "Smart?"

Smart North Florida believes in democratizing innovation—dedicated to truly improving the lives of all citizens.

We do that by helping to deliver real-world benefits from **smart technology, data coordination, and regional collaboration.**

What is the Smart City Movement?

"The Smart City Movement" idea started years ago as a simple idea—to use new technologies to help make cities more liveable for its citizens. Although the theory of the idea caught on quickly, practical applications lagged behind and failed to deliver real impact.
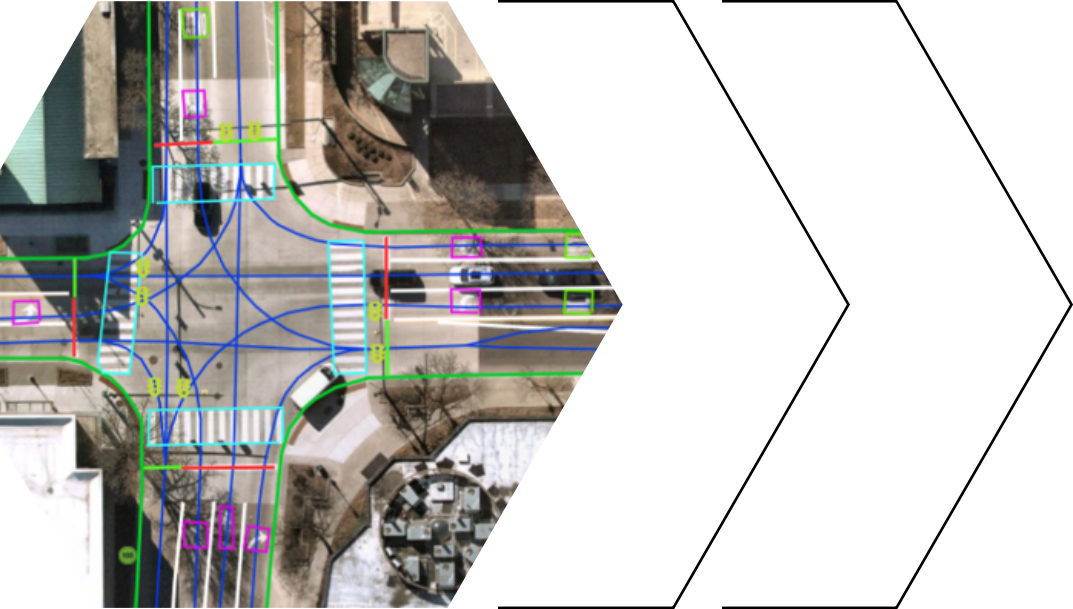
And why is IMPACT so important to us?

That word, IMPACT, isn't just the title of this report. It's how Smart North Florida is different. Because we focus on delivering measurable, practical impacts that we believe "Democratize Innovation," such as:

- Partnering the public sector with non-profits, investors and technologists
- Saving time, money and resources for everyone involved
- Collaborating between jurisdictions
- Coordinating data
- Scaling solutions
- Crafting better policy
- Improving economic competitiveness
- Inventing new opportunities
- Increasing public transparency
- Improving sustainability

Smart North Florida
Impact Summary

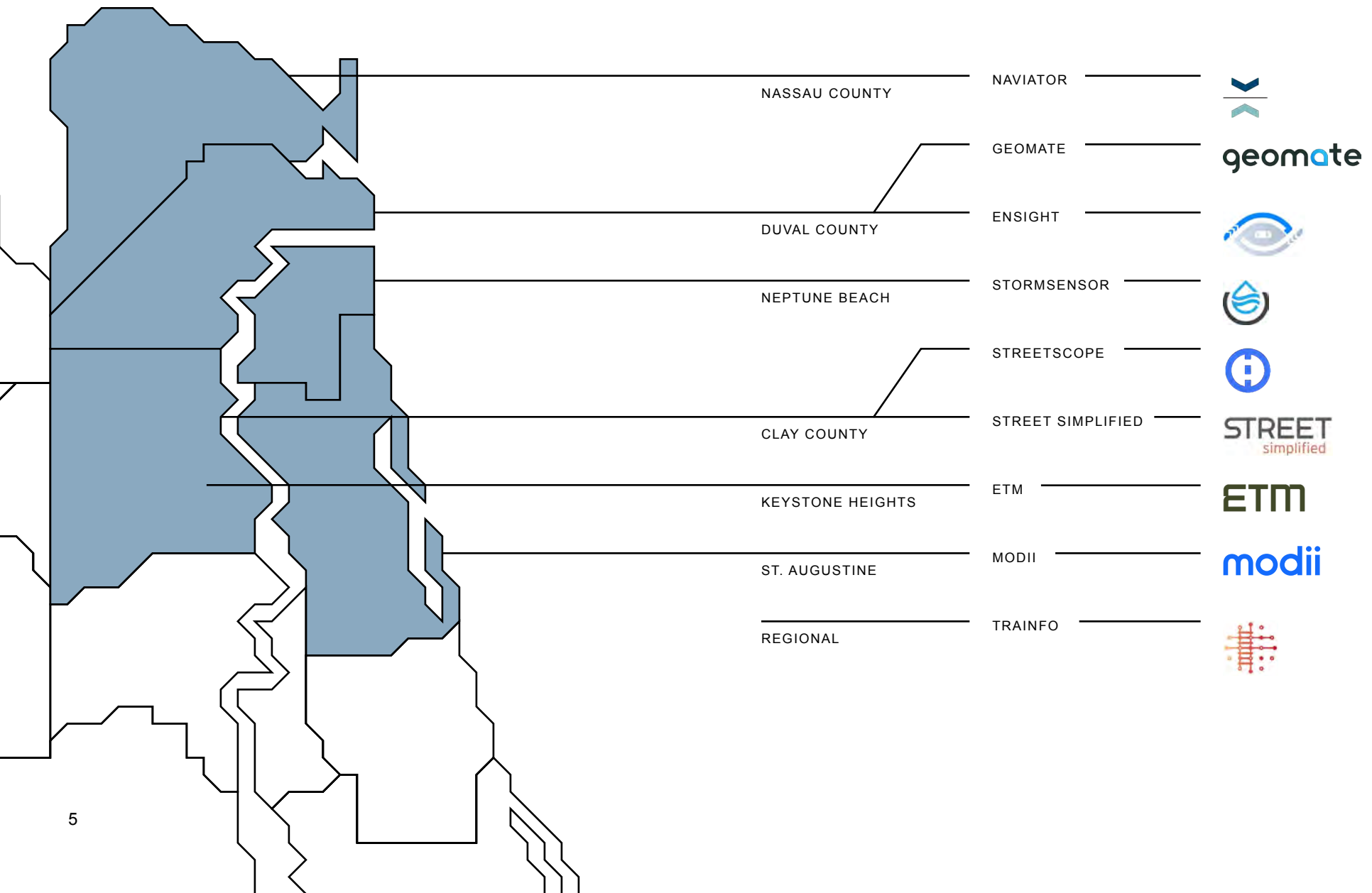**"Democratizing Innovation"** is more than just another slogan.

Since our launch in 2022, we've impacted the lives of millions of people in North Florida, saving hundreds of thousands in taxpayer dollars, and reducing solution implementation time by months, if not years.

Regional Collaboration Impact

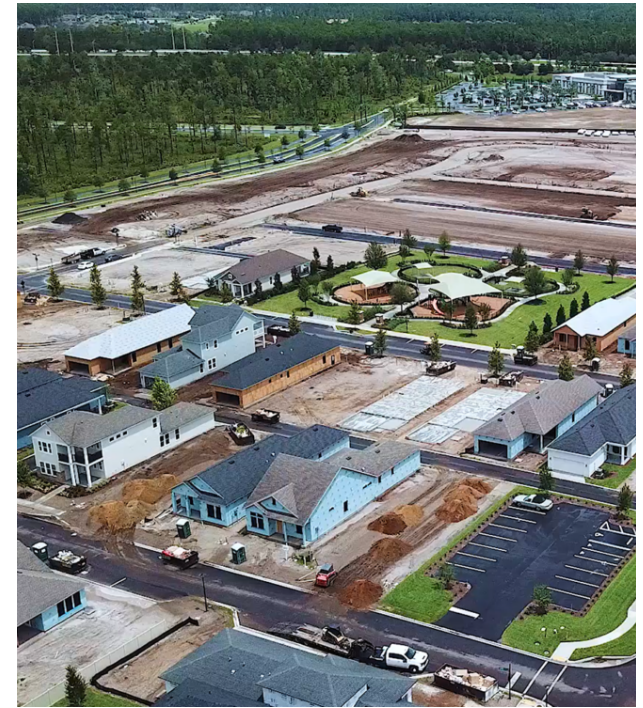Why Regional Collaboration? In a word—scalability.

Instead of isolating into municipal and technological silos, we look for the connections between one sector's problems and another sector's solutions. Through collaboration, the ecosystem discovers mutuality. Success breeds more success, scaling and replicating solutions to other organizations and areas.

Region	Solution
NASSAU COUNTY	NAVIATOR
	GEOMATE
DUVAL COUNTY	ENSIGHT
NEPTUNE BEACH	STORMSENSOR
	STREETSCOPE
CLAY COUNTY	STREET SIMPLIFIED
KEYSTONE HEIGHTS	ETM
ST. AUGUSTINE	MODII
REGIONAL	TRAINFO

Smart Technology Impact

Why Smart Technology? It's all about people.

We believe that what makes an invention truly great is solving real problems for real people. That's why we look closely at matching unique solutions to the common problems of everyday people—problems like the time wasted simply commuting to work, dealing with recurring floods, protecting neighborhoods from crime, living in food deserts, finding affordable parking. We've found that anywhere people have a problem, technology can help.

modii

Modii is a web-based data platform modeling all parking and curbside rules for a City, giving commuters access to real time parking availability and requirements.

geomate

We use **Geomate** to aquire satellite imagery data to identify roadway assets (street signs, striping, etc.) for inventory collection.

ETM

England-Thims & Miller, Inc.'s Digital Twin solution is used for asset digitization and management. These assets can include street signage, stormwater drainage, physical plants, and more.

TRAINFO is an acoustic sensor and analytics platform to detect train delay times to reduce congestion.

Streetscope uses proprietary software analyzing dashcam footage to understand vehicle behavior with road design, other vehicles, and transit assets on a roadway or corridor.
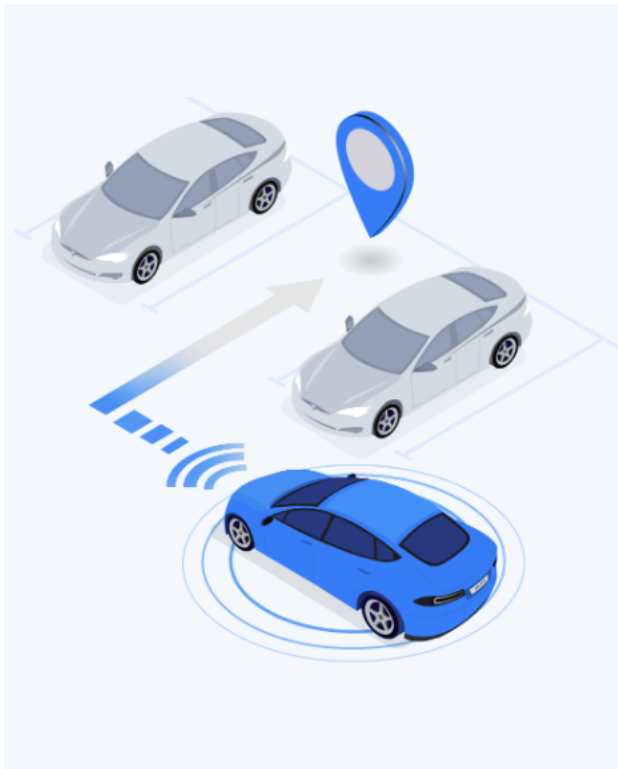
Storm Sensor uses sensors to analize standing water on the ground and in stormwater drains. This data is then aggregated to assess the overall health of the system.

SHM

0-20	No Hazard
20-40	
40-60	
60-80	
80-100	High Hazard

0   100   200 m

Ensight is an Artificial Intelligence computer vision system used for visual analysis. In this case, counting semi-truck types.

Street Simplified integrates proprietary camera and software that records intersection activity for analysis and recommendations to improve roadways.

Naviator is the first of its kind drone that can operate underwater and in the air for a variety of analyses.

Data Coordination Impact

Why Data Coordination? Think democratization.

By coordinating data we can help amplify the benefits of a single solution to an entire population. That provides more access to talent, tech affordability, and insights. Data coordination creates a virtuous cycle that lifts the entire region.

CITY OF JACKSONVILLE (MANZANA)

Tracked resiliency metrics such as heat islands and impervious surface index to create a data model for census tracts in Duval County.

LIFT JACKSONVILLE

Tracked key metrics LIFT Jacksonville is using to measure progress of various initiatives in their neighborhood.
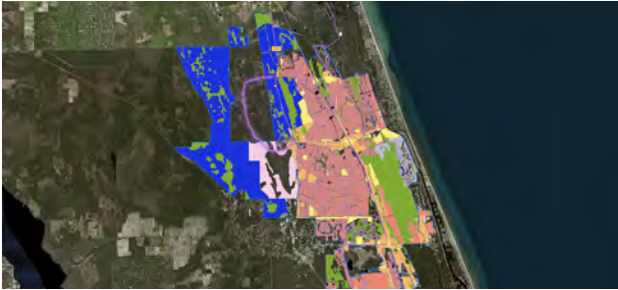

THE HUNGER NETWORK

Designed a website capable of coordinating and visualizing important information of various food pantries in Duval County.

LISC JACKSONVILLE

Addressing the affordable housing crisis by designing python code to help scrub public data sources to give LISC Jacksonville and other funders the information they need to support vulnerable communities.

CITY OF PALM COAST

Analysis of traffic and development changes over time in the City to reflect policy and planning changes for Palm Coast in their Vision 2050 plan.
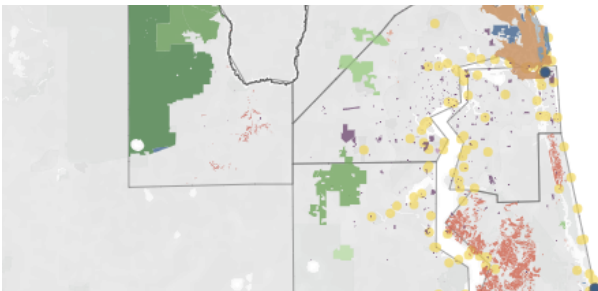
SEE THE DATA HERE

CITY OF NEPTUNE BEACH

Assisted the City in digitizing critical assets and infrastructure information to apply for funding opportunities at the local, State, and Federal levels.
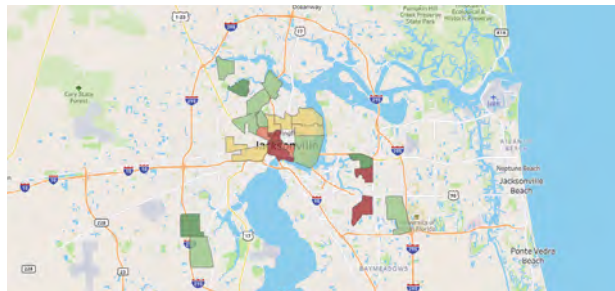
SEE THE DATA HERE

NORTHEAST FLORIDA REGIONAL COUNCIL

Created the dashboard of their First Coast Well Being Index designed to monitor progress of regional metrics.

SEE THE DATA HERE

LISC JACKSONVILLE, COMMUNITY FOUNDATION FOR NORTHEAST FLORIDA, AND JESSIE BALL DUPONT FUND

Promoting funding coordination by designing measurables to track progress of various prosperity indicators by census tract.

SEE THE DATA HERE

Engage

GET SMART

There are lots of ways to engage with Smart North Florida.

Whether you're a Policymaker, Civil Servant, Technologist, Philanthropist, Investor, or our most important partner—a fellow Citizen, we look forward to making a positive impact in your life.

LEARN
Sign up for SMART news from North Florida.

PARTICIPATE
Attend our events and share our info with your network.

SOLVE
Let us help identify your needs, consider options, deploy technology, and share data.

CREATE
Vet your technology to see how you can improve our community.

INVEST
Discover promising start-ups and help them grow.

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