The Florida Senate
Local Funding Initiative Request
Fiscal Year 2023-2024

LFIR # 3112

1. Project Title 3-Year SaaS-Based Hyperlocal Weather Radar Coverage for Emergency Operations Support

2. Senate Sponsor Keith Perry

3. Date of Request 03/15/2023

4. Project/Program Description

3-Year software-as-a-service-based (SaaS) hyperlocal weather data for state and county emergency operations teams. Deliver lifesaving, low-altitude SaaS-based weather radar data to county and state EOC teams utilizing a network of 2.4 kW dual-pol, Doppler weather radars and mobile towers. Access to hyperlocal weather radar data improves county and state forecasts and warnings with greater accuracy, geographic specificity, and lead time. Turn-key SaaS offering include (7) X-Band, 2.4 kW dual-pol, Doppler weather radars, mobile towers, storage, networking, (2) hot spare 2.4 kW weather radars, training, and 7x24 support.

5. State Agency to receive requested funds Division of Emergency Management

State Agency contacted? Yes

6. Amount of the Nonrecurring Request for Fiscal Year 2023-2024

Type of Funding	Amount
Operations	3,600,000
Fixed Capital Outlay	0
Total State Funds Requested	**3,600,000**

7. Total Project Cost for Fiscal Year 2023-2024 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	3,600,000	100%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	0	0%
Other	0	0%
Total Project Costs for Fiscal Year 2023-2024	**3,600,000**	**100%**

8. Has this project previously received state funding? No

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. Is future funding likely to be requested? Yes

a. If yes, indicate nonrecurring amount per year. 1,200,000

b. Describe the source of funding that can be used in lieu of state funding.

Corporate Treasury

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?

No

If yes, indicate the amount of funds received and what the funds were used for.

Complete questions 11 and 12 for Fixed Capital Outlay Projects

11. Status of Construction

a. What is the current phase of the project?

○ Planning ○ Design ○ Construction

b. Is the project "shovel ready" (i.e permitted)?

c. What is the estimated start date of construction?

d. What is the estimated completion date of construction?

12. List the owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

13. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/ Other		0
Consultants/Contracted Services/Study		0
Operational Costs: Other		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/ Other	3-Year software-as-a-service-based (SaaS) hyperlocal weather data for state and county emergency operations teams. Turn-key SaaS offering include (7) X-Band, 2.4 kW dual-pol, Doppler weather radars, mobile towers, storage, networking, (2) hot spare 2.4 kW weather radars, training, and 7x24 support.	3,600,000
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/ Planning Engineering		0
Total State Funds Requested (must equal total from question #6)		**3,600,000**

14. Program Performance

a. What specific purpose or goal will be achieved by the funds requested?

3-Year software-as-a-service-based (SaaS) hyperlocal weather data for state and county emergency operations teams. Deliver lifesaving, low-altitude SaaS-based weather radar data to county and state EOC teams utilizing a network of 2.4 kW dual-pol, Doppler weather radars and mobile towers. Access to hyperlocal weather radar data improves county and state
forecasts and warnings with greater accuracy, geographic specificity, and lead time.

b. What activities and services will be provided to meet the intended purpose of these funds?

Access to lifesaving, ground level, hyperlocal weather radar data to support county and state emergency operations teams. Hyperlocal weather data can impact how assistance is provided during or after a weather emergency. Detect critical weather events and activate emergency response plans faster to protect citizens and critical infrastructure.

c. What direct services will be provided to citizens by the appropriation project?

Enables county and state emergency operations teams to take appropriate protective measures to protect citizens and infrastructure. Identify emerging meteorological threats like severe thunderstorms and tornados using hyperlocal mobile weather radars so that state and county emergency operations teams can execute crisis workflows and targeted emergency alerts faster.

d. Who is the target population served by this project? How many individuals are expected to be served?

All citizens in the 16-county area identified by FDEM that lack essential weather radar coverage for public safety. The counties include: VOL, MAO, PUT, ALC, GIL, LEV, DIX, LAF, TAY, PAL, STL, MRT, GLA, CHA, LEE, CLR

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

Access to hyperlocal weather radar data improves everyday life with more actionable information that keeps citizens and infrastructure safe in an underserved market. Recent serious threats to civilian lives have been increasing due to tropical cyclones, tornadoes, hurricanes, localized heavy rains, flooding, hail, and other meteorological events. Utilize high-resolution, hyperlocal, 3D and 2D mapping of current and emerging atmospheric conditions at lower elevations to detect and forecast severe weather for county and state emergency operations teams. Deliver lifesaving weather radar data to county and state emergency operations teams to provide faster and more geographically specific emergency alerts for hazardous weather events like severe thunderstorms, tropical cyclones, floods, and tornadoes. Prevent accidents and improve emergency alerts for hazardous weather events to save lives, protect property, and infrastructure.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for the contract?

Penalties for failing to meet deliverables of the SaaS-based hyperlocal weather radar project can extend the term of the licenseor support provided to the customer. As per such penalty clauses, the vendors may be forced to grant additional time for development, integration, and maintenance

15. Requester Contact Information

a. First Name	Howard	**Last Name**	Moore
b. Organization	StormQuant Inc		
c. E-mail Address	Howard @stormquant.com		
d. Phone Number	(402)630-5644	**Ext.**	

16. Recipient Contact Information

a. Organization	StormQuant Inc
b. Municipality and County	Statewide

c. Organization Type

☑For Profit Entity

☐Non Profit 501(c)(3)

☐Non Profit 501(c)(4)

☐Local Entity

☐University or College

☐Other (please specify)

d. First Name	Howard	**Last Name**	Moore
e. E-mail Address	Howard @stormquant.com		
f. Phone Number	(402)630-5644		

17. Lobbyist Contact Information

a. Name	Mike Haridopolos
b. Firm Name	Mike Haridopolos
c. E-mail Address	mike@mhflorida.com
d. Phone Number	(321)525-1861