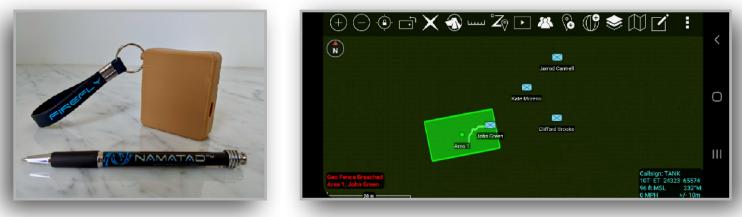




FIREFLY for Military Operations

FIREFLY serves as an interference-resilient position, navigation, and tracking (PNT) system designed for forward-deployed warfighters operating in GPS-denied areas.



FIREFLY Device

FIREFLY ATAK-Based Visualization Plugin

FIREFLY integrates interference-resilient location-tracking, environmental sensing, command and control connectivity, and real-time analytics to increase situational awareness and operational visibility of operational personnel in GPS-denied areas. Our simple, lightweight, and cost-efficient system is designed to continuously operate even in electronically contested, adversarial environments, keeping warfighters oriented and safe in the line of duty using currently deployed ATAK devices.

- Gain location visibility in GPS-denied areas and difficult environments.
- Operate continuously in RF-hostile environments.
- Seamlessly integrate with ATAK-enabled devices.
- Improve situational awareness to keep warfighters safe and position-oriented.

- Leverage real-time locations to coordinate and adapt operations.
- Reduce response times in critical situations.
- Make tactical decisions based on real-time data.



All of our products are designed and manufactured in the USA.

www.namatad.com

info@namatad.com





About FIREFLY for Military Operations

FIREFLY offers on-demand PNT capabilities for warfighters in GPS-denied areas. Our costefficient system provides real-time geospatial visibility of personnel across large deployment areas and mixed indoor/outdoor environments, integrating seamlessly with Android Tactical Assault & Team Awareness Kits (ATAK) enabled devices. FIREFLY leverages inexpensive, miniaturized computing systems from the Internet of Things, interference-resilient wireless networking connectivity, and transceivers with high-precision timing to build a mesh-connected system that delivers real-time localization information to Commanders and fellow team members.

FIREFLY has been optimized for localization and tracking within buildings, dense urban areas, and across complex terrain where access to satellite-transmitted positioning signals is limited, unavailable, or intentionally blocked. Moreover, we have integrated autonomic jamming resilience techniques, designed to functionally adapt during intentional RF-interference injection attacks and ensure operational continuity in RF-hostile environments.

FIREFLY employs advanced machine learning and analytics, which drastically reduces information overload during critical situations. These detailed analytics are integrated into easy-to-use visualizations that seamlessly render real-time position and tracking data in Cursor on Target format on ATAK-enabled devices, to enable informed and efficient tactical decision making. Furthermore, while real-time location data is imperative in the moment, this data can also be automatically stored for post-event analysis and operational training, to help you stay one step ahead—at all times.

FIREFLY Kit

FIREFLY technology transforms every vehicle into an adaptable, mobile tactical hub. The full FIREFLY Kit includes:

- FIREFLY Devices
- Warfighter Location & Analytics Hub
- ATAK-Based FIREFLY Geospatial Visualization Plugin

About Us

Namatad, Inc. creates easy-to-use technology that connects people, promotes safety, and enables datadriven decision making. Founded out of the IPA research lab at the University of Washington, Namatad, Inc. is agile, forward-thinking, and dedicated to its mission to inform, connect, and protect those who protect us all.

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