

RUNWAY INCURSION WARNING AND VISUALIZATION SYSTEM



- **Common Operating Picture (COP) system**
- **Precision awareness**
- **All asset system**
- **Feature rich**
- **Mobile and desktop**
- **Unparalleled flexibility**

Precise Awareness

- 4 years of collaborative software R&D have created highly accurate real-time location reporting and sub-second data processing rates
- Works with cellular and/or radio systems

All Asset System

- System can track multiple types of GPS products – outside the fence, inside the fence – from the most basic, to the most advanced, with all tracks displayed in the same view if desired
- Web based display means ASDE, ASDE-X, A-SMGCS, local and commercial data feeds can all be seen in one display – from anywhere in the world

Feature Rich

- In addition to standard over-the-road in-screen AVL analytics, unique airport capabilities include items like the ability to selectively turn on/off view of *each* paint marking on an airfield
- Easy to use in-screen editing of unlimited number of fleet groups, points of interest and geofences
- Visual runway incursion warning is shown in real time to controllers and all others in system

Mobile and Desktop

- Any platform that can see the web, can see the location of all other tracks
- During a disaster, emergency vehicles not normally in system can be logged in and tracked with nothing more than a smartphone as the transponder

Unparalleled Flexibility

- Built to ingest any type of base layer available, from PDF type airport diagrams, to an airport's most advanced engineer drawings; from static data layers, to real-time feeds like weather radar
- U.S. National Grid compliant, FirstNet ready and more than 10 other safety and operational capabilities not available from any other product in the market
- Capable of ingesting 100's of layers of data and then displaying only the ones selected by the individual user

DragonEye is a product of SharedGeo, a St. Paul, Minnesota based geospatial research and development 501 (c)3 nonprofit led by a 40-year military/commercial airline pilot and Naval Postgraduate School trained Aviation Safety Officer. SharedGeo sponsors Open Source software GeoMOOSE, geospatial software which is in use by hundreds of governments around the world.



WHY RUNWAY INCURSION WARNING? WHY DRAGONEYE?

FAA statistics for the past five years indicate despite extensive efforts by airports to familiarize airside drivers with the respective airport layout, **the number of vehicle incursions onto active runways has been increasing**. Correspondingly, in addition to the potential for a horrendous loss of life from a catastrophic collision between a commercial aircraft during its takeoff or landing roll and a vehicle inadvertently on the runway, studies indicate the total direct and indirect cost of such an accident to an airport authority, airlines using the facility, insurance companies, and associated aviation services and industries **could exceed \$500 million**. Thus, aviation regulatory bodies and professional associations around the globe have been clamoring for a solution. Similarly, when judged from a Return On Investment perspective alone, a Runway Incursion Warning System has become a “must have” capability for any safety conscious airport.

DragonEye answers this call in a way no other system can match, and at a price which makes the solution available to all. Additionally, when purchased using Airport Improvement Program (AIP) funding, the cost can be **further reduced by as much as 75%**.

Use your current hardware....or buy hardware and AVL/Telematics System services from AmeriTrak Fleet Solutions, LLC, a Bloomington, Minnesota AVL vendor providing highly integrated solutions for state DOT's, cities, airports and commercial fleet operators. With AmeriTrak systems, you gain a seamless integration that delivers:

FAA RIWS AC Compliance

- Meets design and performance standards of FAA Advisory Circular AC 150/5210-25 (RIWS)
- CAN bus and spreader equipment integration, plow up/down, system warning/telemetry and RIWS calculations all delivered by one device
- Economical price point means no need to move equipment from vehicle to vehicle

Audio & Visual Warnings

- Basic in-cab annunciator system modeled after U.S. Navy carrier landing system to ensure drivers always have location awareness without distraction
- Advanced in-cab annunciator system leverages decades of DOT technology build experience to deliver rugged, reliable visualization that holds up in the worst environmental conditions

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