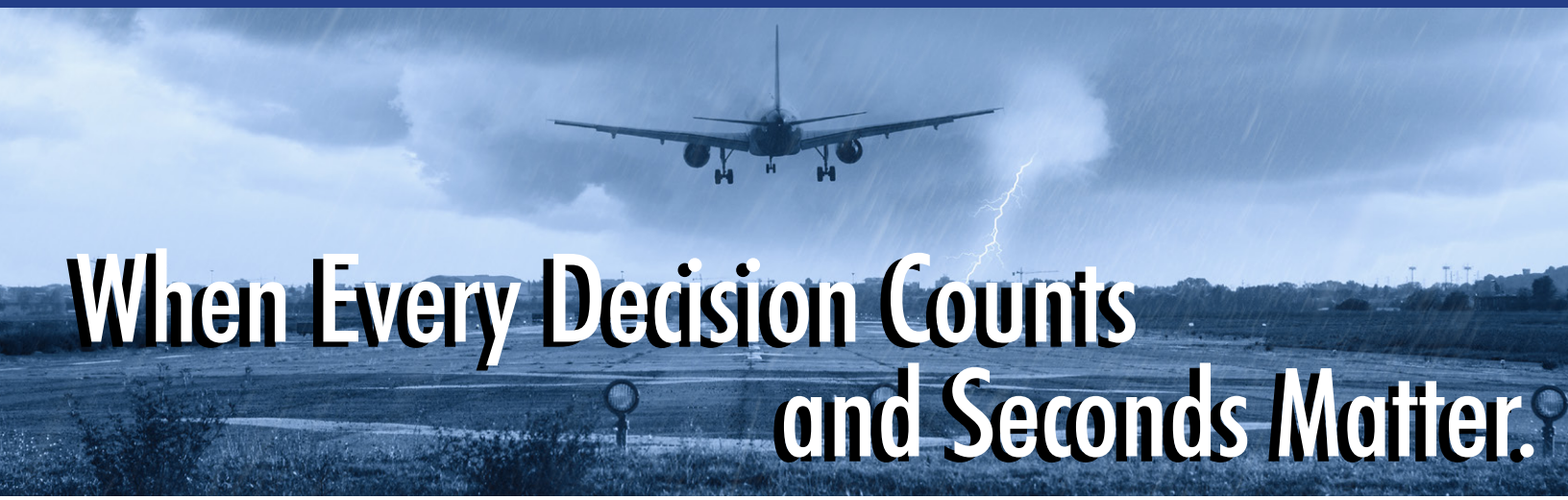
allweatherinc
Your Aviation Weather Partner

LLWAS Low Level Windshear Alert System



Wind Shear, the sudden change in wind speed or direction, is one of the most dangerous weather phenomena a pilot can encounter during landing or takeoff and can have potentially disastrous consequences. The problem is so serious that the US Federal Aviation Administration (FAA) in collaboration with The National Center for Atmospheric Research (NCAR), developed a system called Low Level Windshear Alert System (LLWAS) to detect these potentially catastrophic wind shifts and deployed them at over 100 airports.

Wind shear and Microburst events are especially dangerous to landing aircraft. These aircraft are already at slower approach airspeeds, in a descending attitude and very close to the ground. A sudden increase or decrease in winds can dramatically reduce lift and airspeed, eventually stalling the aircraft at too low an altitude to recover.

A truly unforgiving series of events that can be avoided with the installation of an All Weather Inc. LLWAS at the aerodrome.

All Weather Inc. (AWI) has provided equipment and displays that interfaced with LLWAS systems since the late 90's as part of the FAA ACE-IDS program. Over 800 workstations at 70+ national airports are part of this program. Again, in 2010, AWI was awarded the NIDS (NAS Integrated Display System) program by the FAA that includes 2000+ ATC workstation positions at over 250 tower locations. Powered by AWI's FlexIDS. Over 30 LLWAS facilities are included in these locations.

AWI adheres strictly to the FAA LLWAS siting guidelines, order 6560.21A, and Doc 9817, Manual on Low-level Wind Shear. Following these tried and true methods maximizes risk mitigation and dramatically improves safety.

As a leading developer of aviation weather technology for over 30 year and one of only two companies to achieve FAA Certification for an AWOS I and above, it was only natural for All Weather Inc to offer the AWI LLWAS solution to our customers world-wide.

World-Class Performance

Probability of Detection (POD) above 90%

False Alarm rate (FAR) below 10%

Phase-3 Algorithm

NCAR Developed

FAA Certified

UCAR patented

ICAO/WMO Compliant

FAA Certified

LLWAS Interface Software

Display Software

Phase-3 Algorithm

Configurations

Stand-alone

Integrated into the MetObserver Display

Alarms

Visual

Audible

Why Add LLWAS at Your Airport?

Increase your airport's safety, attractiveness to carriers & uptime.

Cost-effective turn-key solution that provides timely detection and identification or windshear and microbursts with accurate location.

Custom designed for each airport taking into account runway configuration, local weather conditions, terrain and obstacles.

Additional Benefits Include:
Robust Architecture
User-Friendly
Complete
Configurable
Modular
Scalable
Supportable

Contact an AWI consultant for information on the AWI LLWAS for your airport.

1065 National Drive, Suite 1
Sacramento, CA 95834
T: +1.916.928.1000
F: +1.916.928.1165
www.AllWeatherInc.com
info@AllWeatherInc.com