

Corporate Overview



ADVANCED RADAR COMPANY

Advanced Radar Company delivers state-of-the-art Weather Decision Support Systems, atmospheric remote sensing instrumentation optimized for mobile and fixed-site applications, and a wide range of technical services including third-party equipment integration, system design, installation, maintenance, and training.

- Advanced Radar Company' SkyCast® instrumentation products include:
- Terminal Doppler Weather Radars
- Surveillance Doppler Weather Radars
- Radar Wind Profilers (boundary layer to 20 km)
- Sodar Wind Profilers (200 m to 1,000+ m)
- Temperature, Humidity, and Liquid Profilers (to 10 km)

Radiometrics' Weather Decision Support Systems build on our instrumentation products, weather decision support software, system integration know-how, and technical services capabilities, and include:

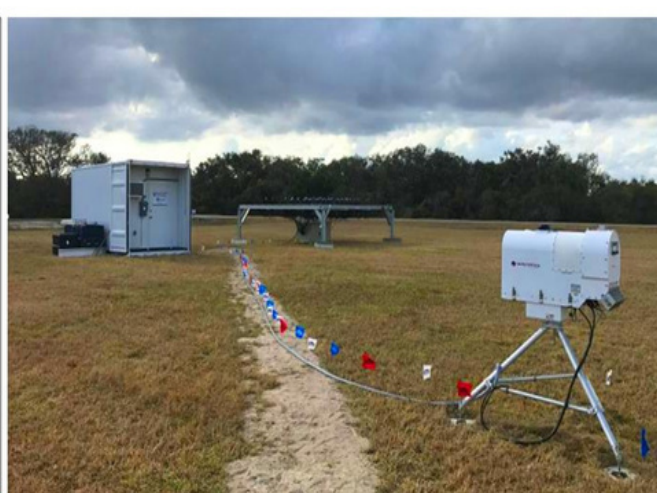
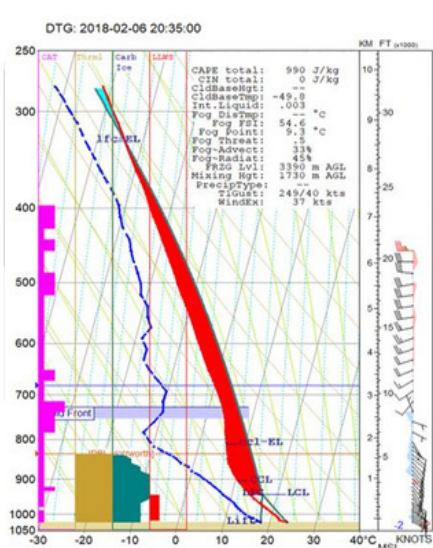
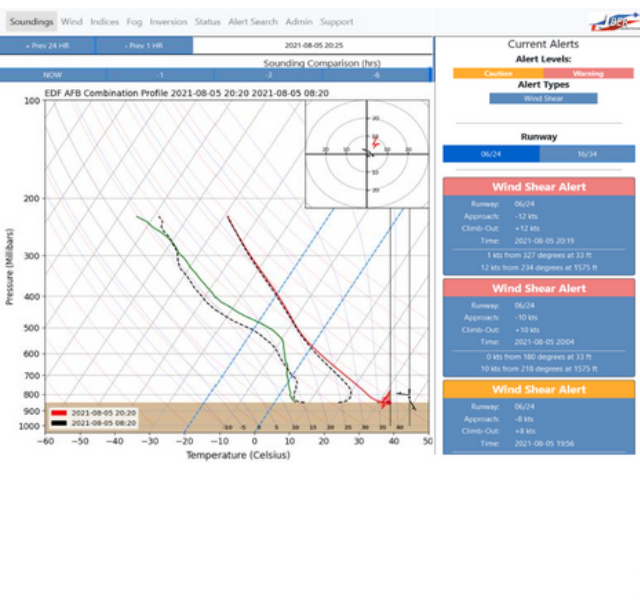
- VizAir™ Wind Shear Detection and Alerting System
- Hydromet Decision Support System (HDSS)
- Mesoscale Analysis and Prediction Support System (MAPSS)
- Lightning Decision Support System (LDSS)
- Launch Weather Decision Support System (LWDSS)



Advanced Radar Company provides mission critical weather decision support tools



Radiometrics' *SkyCast* total profiler systems combine temperature, wind, and humidity profiling in a single complete package for the user.



Applications include:

- **Early Warning Systems** - Forecast and nowcast all weather conditions and associated dangers, including wind, hail, precipitation estimation and forecasts, flooding, flash floods, and mudslides.
- **Airports** – Improved monitoring and nowcasting for wind shear, inversions, fog, icing, and other hazardous weather impacts to increase passenger safety and minimize flight delays.
- **Spaceports** – Weather monitoring, nowcasting, and forecasting for launch safety, including lightning, winds aloft, and hazardous materials dispersal.
- **Weather Services** – Improved weather forecasts and nowcasts for improved alerts and warnings.
- **Water districts** – Increasing cloud seeding effectiveness and efficiency.
- **Research** – Monitoring global climate change, greater understanding of atmospheric dynamics, and improving NWP timeliness and accuracy.
- **Fire Weather** – Predicting fire movement by providing accurate and real-time data on wind behavior, atmospheric stability, and water vapor content.

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