

# Beyond Visual Line of Sight (BVLOS)

DeTect's BVLOS radar system is based on DeTect's HARRIER Air Surveillance Radar technology and provides proven long range surveillance and monitoring of airspace to extend UAS operations beyond visual line-of-sight.

The HARRIER BVLOS has been used by Unmanned Aerial Systems developers and operators since 2008.



## BVLOS

The **HARRIER True3D BVLOS** is an advanced three-dimensional (3D) digital multi-beam radar that provides real time detection and tracking of the full 3D airspace.

- The system is designed to detect targets ranging from small UAS to aircraft and provide real time information to support BVLOS operations.
- The system can be integrated into multiple platforms to provide clients with a functional autonomous Ground Based Detect and Avoid (GBDAA) solution.
- Engineered & manufactured for dependable 24-7 operation with high reliability & low maintenance with hardware and software developed specifically for detection of airborne targets.



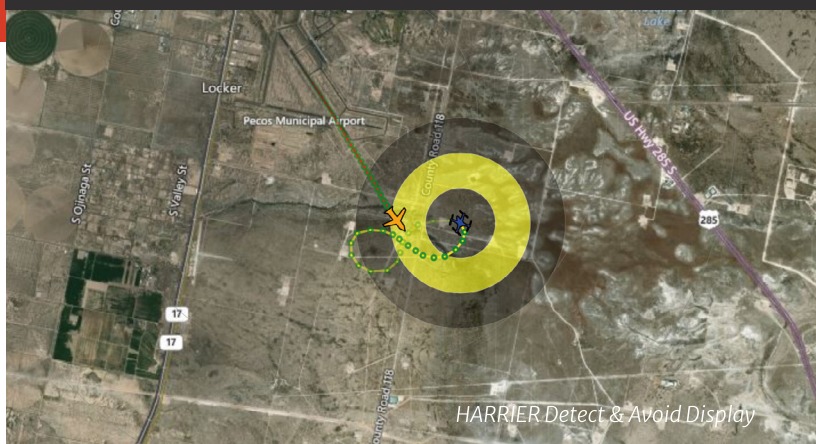
### Technology Features

- Fast update rates (4 x per sec) for improved target tracking
- Cessna sized aircraft detection up to 33km (18nm)
- All-weather situational awareness
- US FCC, US DOD & foreign frequency licensed/registered.

### DeTect BVLOS Radar Advantages

- 2D and 3D systems available in several power and range configurations  
*To provide the Right Radar for the Job*
- Advanced solid-state, pulsed radar with Doppler processing
- Real-time data processing with third party sensor integration for active risk analysis
- Available in fixed and mobile configurations
- Available for purchase, long-term lease and short-term rental, with or without DeTect operators
- Backed by established company with worldwide offices and 24-7 support.

*DeTect's BVLOS solutions use advanced radar and detect-and-avoid technology for safe, compliant operations in complex airspace. By removing traditional drone limitations, businesses can scale operations, optimize resources, and gain a competitive edge.*



Offices in Canada · Poland · UK · South Korea · USA  
Email: [web-ct@detect-inc.com](mailto:web-ct@detect-inc.com) Tel: +44 (0)7983 142 449

[www.detect-inc.com](http://www.detect-inc.com)



## ABOUT DeTect, Inc.

DeTect is a global leader in advanced 2D and True3D radar and remote sensor technologies and systems, for aviation safety, security and surveillance, drone defense and environmental protection and renewable energy.

Over 1,000 radar systems have been delivered to the US, Canada, Europe, Africa and Asia since 2003.

### Our Commitment:

DeTect provides comprehensive support through every stage of system implementation and operation:

- Custom site analysis and modeling
- Full engineering and installation support
- Tailored Concept-of-Operations development
- System integration into COP systems
- Specialized operational training
- Long-term 24-7 technical support.

University of North Dakota, USA



### A Track Record of Success and Superior Service since 2003:

- Over 1,000 radar systems installed globally
- 15+ million operational hours logged
- Consistently high system reliability
- Industry-leading warranty and support coverage
- Flexible purchase, lease, and rental options
- Outstanding maintenance and support record.



DeTect has manufacturing facilities in the US, Canada, Europe and Korea

### Customer Testimonial:

*“From our first interaction, DeTect demonstrated a comprehensive understanding of our project needs and system integration requirements, providing budget-friendly and timely solutions. Their proactive approach to identifying and validating ideal radar locations saved us critical time and paved the way for smooth deployment. Throughout our partnership, DeTect has been responsive, adaptable, and cost-effective, consistently helping us overcome challenges. Our relationship has strengthened, and we look forward to future collaborations.”*

**Zach Peterson - Vigilant**



At DeTect, we combine cutting-edge technology with unmatched expertise to deliver integrated solutions that **deliver the right radar for the job.**



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[www.detect-inc.com](http://www.detect-inc.com)