



# Drone Sensor Solutions

Persistent Situational Awareness for UAV & Counter UAV



Plextek

# About Plextek

We have a 30 year history of providing technology solutions to a variety of organisations. Plextek understands today's key challenges for smarter technology development and can generate both the ideas and deliverable solutions to the assured level of security, performance, resilience and ergonomics that you need. We are a product development company that works with clients to achieve results based on their specific requirements.

Our engineering experience, supported by our library of IP for key technology elements, aids accelerated time to market and greater cost effectiveness.

This experience has enabled us to develop and maintain a comprehensive set of market-leading technology platforms, including our mm-Wave micro radar system for Unmanned Aerial Vehicles (UAV) and Counter UAV sensor solutions.

A compact, lightweight and high-performance Doppler FMCW radar, Plextek's mm-wave micro radar is suitable for integration on unmanned aerial systems or fixed site infrastructure.

**Highly innovative and specialised drone sensor solutions**

## Plextek's mm-Wave micro radar system for UAV and Counter UAV





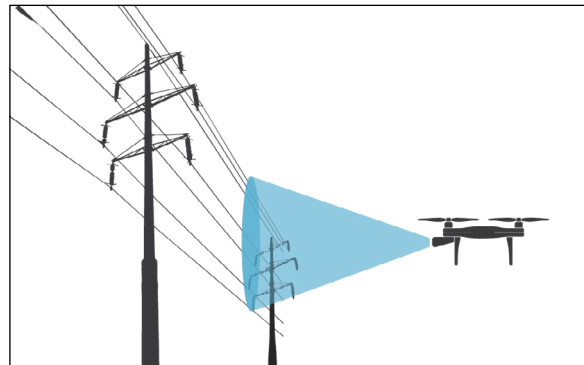
## UAV Sense and Avoid

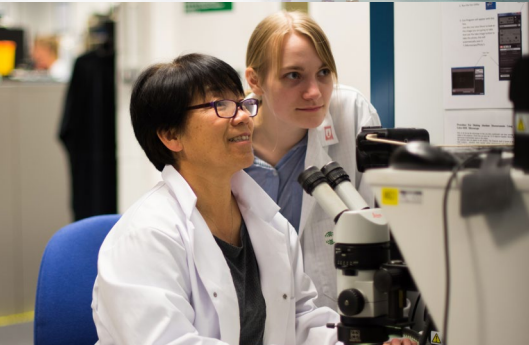
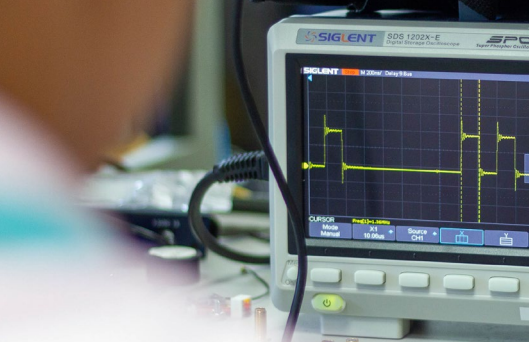
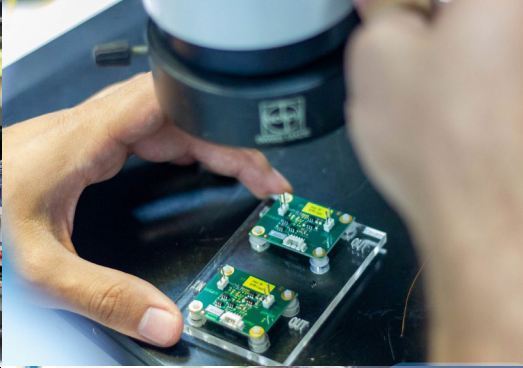
Plextek offers a range of deployable revolutionary sensors for UAV platforms for sense and avoid applications.

Our solutions have meant that Plextek's integrated UAV sensors are able to avoid obstructions such as buildings, power lines and other close proximity objects. This includes potential threats posed by other drones in the immediate vicinity and autonomous avoidance of aircraft for prevention of mid-air collisions.

### **Plextek's mm-wave micro radar offers a number of operational benefits including:**

- Day/night, persistent all-weather situational awareness sensing
- Detection, tracking & recognition of static & moving objects
- Ability to slew-to-cue 3rd party sensors and effectors





# Plextek

Exceptional technology  
to positively impact the future

Get in touch to find out how Plextek can help you  
to deliver your next innovation in technology.

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