DESIGN WEST
TECHNOLOGIES INC

"Protecting Those Who Protect Us"





DropPuck™ Microsensor System

UNDERSTAND • PROTECT • MITIGATE • ENABLE



RAPIDY DEPLOYABLE. NETWORKED. INTELLIGENT. MISSION READY.

The DropPuck™ Microsensor System provides commanders and operators with real-time hazard awareness and distributed sensing capabilities without placing personnel in harm's way. Designed for deployment from UAS or UGV platforms, DropPuck™ creates an intelligent, self-healing sensor network that delivers actionable information where it matters most.

OPERATOR KEY ADVANTAGES

- Technology Readiness Level (TRL) 6-7 Maturity
- Optimized Low Size, Weight, Power, and Cost Design
- Rapidly Deploy up to 20-40 Sensors per Mission
- UAS & UGV Compatible Autonomous or Manual Deployment
- Standoff Sensor Release from Altitudes up to 300 Feet
- Monitor Areas up to 10 KM Downrange
- Continuous Real-Time Day & Night Operations
- Android Team Awareness Kit (ATAK) & Tactical Radio Integration
- Alpha Puck Capable for Remote/Austere Networking
- Embedded Machine Learning Enables Automated Detection and Alerting



CONNECTED INTELLIGENCE

DropPuck sensors automatically establish a secure 900 MHz encrypted self-healing mesh network with frequency hopping communications. Sensor alerts, geolocation data, and hazard notifications are transmitted in real time to operators through:

- Curser on Target (CoT) or Integrated Sensor Architecture (ISA)
- Tactical Radios and Mission Command Systems
- Mobile Operator Tablets and Similar Devices

MULTI-THREAT DETECTION CAPABILITY

- Interchangeable Microsensor Payloads
- Toxic Industrial Chemical (TIC) Detection
- Select Chemical Warfare Agent (CWA) Detection
- Gamma Radiation Detection
- Motion Detection
- Radio Frequency Identification (RFID)
- Acoustic/ Seismic Sensing (Expandable)

DropPuck™ provides rapidly deployable, networked sensing that delivers early warning, actionable situational awareness, and a common operational picture for enhanced force protection and faster decision-making.

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DWT MIL-STD-810H COMPLIANT

AS9100D CERTIFIED ISO 9001

ITAR REGISTERED

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