

Squishy Robotics

4-Gas^{PLUS} Sensor Robot Platform Throwable/Drone Droppable 4-Gas Sensor

RAPID

DEPLOYABILITY

Our robots enable fast and increased access to difficult or dangerous environments, complementing boots on the ground for unparalleled situational awareness.

CUSTOMIZABLE

SENSOR PAYLOADS

Our robots were designed putting First Responders first. While hundreds of in-person customer interviews and long-term pilot partnerships with HazMat teams motivate our current sensing capabilities, we work with you to engineer the perfect technology solution for your needs.

DRONE-READY

CAPABILITIES

Our lightweight and compact robots integrate directly with most commercial drones through our custom-designed hardware interface. We'll work directly with your team to incorporate our technical solutions directly into your equipment capabilities.



- 4-gas diffusion sensor (O₂, CO, H₂S, LEL)
- 6 cameras (360° view)
- GPS, temperature, pressure, humidity
- SD card logging
- Throwable/drone-droppable for rapid deployment
- Mesh Capability (600ft node-to-node)
- Customizable sensor combinations
- Removable rods for space saving storage

When every second counts...

Squishy Robotics develops air-deployable sensor robots that provide initial assessment and enable persistent ground-level monitoring for emergency responses and tactical missions. Providing life-saving situational awareness, these sensor robots transmit real-time sensor data to Incident Command, increasing both responder safety and response efficiency. Standardly equipped with visual, chemical, barometric, and GPS sensors, our robots provide remote monitoring capabilities of critical data. Squishy Robotics' customizable robots carry interchangeable sensor modules that can be used for a wide range of time-critical applications.

Technical Specifications:

- **Weight:** 2.5 lbs.
- **Body Diameter:** 23.6 in.
- **Wireless Range:** 600 ft. (L.O.S) per node, 2000 ft. node to base station
- **Max. Drop Height:** 1000+ ft.
- **Standard Sensor Payload:** GPS, temperature, pressure, humidity, 360° cameras, 4-Gas sensor (O₂, CO, H₂S, LEL)
- **Battery Life:** 4 hours of numerical sensor data, 75 minutes of camera
- **Payload Acceleration Mitigation:** 3x to 5x peak acceleration decrease
- **Temperature Operating Range:** -20 °C to +50 °C / (-4 °F to +122 °F)

INTEGRATED CONNECTIVITY

Our robots come ready with integrated mesh-network wireless connectivity, enabling critical communication with Incident Command even in the absence of existing networks or infrastructure.

TECHNICAL SUPPORT

Reliability is paramount, and we're here for you 24/7. Whether it's software or hardware, our team will work tirelessly to assist with any technical issues. We support you through regular hardware maintenance, calibration, and software updates, providing the most innovative and up-to-date technical solutions.

AUTHORIZED RESELLERS

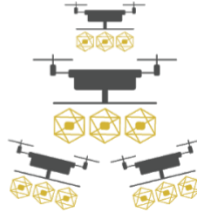
FLYMOTION
Cloud City Drones
RMUS Canada
UNHITEC

Platform Capabilities

Impact Resistant



Fleet Deployment



Customizable Sensor Platform



Robust Vision Capabilities



Our innovative technology solutions offer unparalleled access and ground-level sensing in hazardous environments while keeping first responders out of harm's way. Where other technical solutions may be overly complicated, expensive, and/or heavy, Squishy Robotics' Stationary Robots are *simple, robust, and effective* and integrate directly with commercial drones that Public Safety Agencies are adopting at an exponentially increasing rate. A critical drone accessory, Squishy Robotics 4-Gas^{PLUS} sensor robot extends aerial drone capabilities by providing rapidly deployable persistent, ground-level sensing, providing awareness while acting as a force multiplier for first responders and boots on the ground.

Intelligent Data Analytics



We leverage our expertise in sensor fusion and data analytics to provide concise and digestible information directly to the Incident Command Team. Through Cloud Machine Learning and Artificial Intelligence, we continuously build, learn, and update internal predictive models that use aggregate sensor data to provide real-time updates on potential hazards and actionable directives. Our vision is to provide the largest and most comprehensive national database of the hazards first responders encounter daily to better understand the overall impact of disaster/emergency response on first responders and the local community.

SERVICES AVAILABLE

- Technical Support
- Installation and Training
- Maintenance
- Application Support
- Hardware Support
- Limited Warranty

For more information on any of our products or services please visit us at:

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