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To Whom it May Concern:

Subject: Sole-Source Justification for Vue Robotics Weather & Remote-Site Monitoring Subscription

This letter confirms the sole-source procurement of the Vue Robotics Monitoring Subscription. The service's technical specifications and delivery model satisfy operational needs not met by any other product or service available in the market. No competing subscription offers a fully self-powered camera-sensor unit, secure cloud software, and near-real-time AI risk analysis all in one solution. All hardware, software, cellular backhaul, AI analytics, support, and warranty are combined into a single annual price item.

The subscription delivers the following technical capabilities:

ARC 1 AI-Camera — IP-67 enclosure, 10 in H × 7 in W × 4.06 in D, 10.6 lb. A 10 W monocrystalline solar panel (10.7 × 8.77 in, UV-resistant ETFE) charges a 33 Ah Ni-MH pack rated -40 °F to 185 °F, providing ≥ 30 days autonomy with no external power.

Multi-sensor weather suite — IR surface temperature -70 °C to 380 °C (±0.5 °C), air temperature -40 °C to 85 °C, dew-point, humidity 0–100 % RH, barometric pressure 300–1100 hPa, VOC/AQI, and 3-axis accelerometer ±2/4/8 g (10–800 Hz).

Imaging subsystem — 1080 p (1920 × 1080) ultra-low-lux color camera, 120° H / 89° V FOV, HEVC video, time-lapse, and 32 GB on-device buffer for back-haul outages.

Secure 4 G LTE communications — Dual-antenna Cat-4 modem performs autonomous cell-site surveys; all traffic uses TLS 1.2 / AES-256. Multi-carrier support connects to Verizon, AT&T, or T-Mobile for highest-available signal.

OmniVue cloud/mobile platform — AWS multi-AZ hosting, expiring signed URLs, Okta/Auth0 role-based access; unlimited users can view map-based imagery, sensor data, and REST API feeds with customizable data retention.

Vue Vision AI model — Sensor and video streams are processed in the cloud to detect flooding, snow, and rain precipitation, vehicles/people, and other risk factors, issuing automated alerts via OmniVue, email, and webhooks.

Remote lifecycle management — Firmware-over-the-air updates for system software, AI models, and calibration; subscription covers cellular data and 24 × 7 support.

Regulatory compliance — FCC Part 15 (Class B) certified; RoHS-compliant, U.S.-manufactured hardware.

Based on these characteristics, the Vue Robotics Monitoring Subscription is the only solution that meets all stated operational criteria within a single, managed service framework.

Please contact us at your convenience if additional documentation or clarification is required.

Sincerely,
Patrick Baglien, CEO
Vue Robotics
