With Unmanned Aircraft Systems (UAS), Premium Inspection & Testing Group offers a safe, efficient alternative to accessing challenging, remote locations without reducing the quality of your critical inspections. Providing a cost-effective and versatile solution, UAS services eliminate the need to erect expensive scaffolding, perform complicated access planning, or place inspection personnel in high-risk safety situations. The result? Peace of mind for you and your employees, plus less shutdown time, lowered costs, and extended critical asset life.

▶ FAA APPROVED
  • Section 333 exemption holder
  • Part 107 compliant
  • Full-time pilots on staff to handle any size project

▶ LOW RISK
  • Industry-leading UAS-specific safety systems
  • Successful audits completed by leading asset owner clients

▶ EXPERIENCE
  • Hundreds of hours of industrial UAS operations
  • Private Pilot certified operators on staff

EXCEPTIONAL SERVICE. DELIVERED.
Premium’s UAS services are an FAA-approved, low-risk option that provides vital information about the condition of your assets without the need to put personnel in tight spots. Our experienced team skillfully and easily maneuver our collision-tolerant drones in tight and difficult-to-reach spaces, including ductwork, silos, boilers, and more. Armed with DUAL 1080 HD & THERMAL IMAGERY and an LED lighting system, Premium Group’s drones provide precise imagery and give you the comprehensive feedback you need to determine your assets’ fitness for service.

For more information on how Premium Group’s UAS can help you create efficiencies, improve safety, and increase communication.

What type of services can be performed with UAS technology?

**Inspections & Reliability**

**STRUCTURES – INFRARED, API-VISUAL & 3D** • Pipe-Racks, Flare Stacks, Internal & External Tank, Furnace / Chimney Stacks, Power Distribution, Docks, Fan Towers, Cooling Towers

**CORROSION UNDER INSULATION (CUI) INSPECTION SUPPORT**

**Capital Projects**

**DATA COLLECTION** • Aerial documentation for funding, 3D modeling & scanning, Scanned site maps

**SITE COMMUNICATION** • Real-time information share, Road closures, Firewater outages

**PROGRESS MONITORING** • Visual documentation

**Turnarounds**

**DAILY / WEEKLY TAR TRACKING**

Progress updates & documentation, Daily reporting & live feed

**CONTRACTOR ACCOUNTABILITY, POST-TAR INTEGRITY**

**INTERNAL INSPECTIONS** • Initial assessment, Reduction of scaffolding

**Mapping**

**TOPOGRAPHIC** • LOPC, Hazardous areas

**ORTHOGRAPHIC MAPPING** • 24 inch vs. Traditional 6 inch

**SITE PLANNING / SOFTWARE INTEGRATION** • Civil 3D, CAD

**EXISTING WORKFLOW INTEGRATION** • .DWG, .GEOTIFF

**3D Modeling**

**ELEVATED UNIT SCANNING, FULL FACILITY MODELS, ON/OFF-SITE PIPELINES, ACCURACY DELIVERABLES** • Raw Point cloud, NWD, .RC, ArcGIS, Scalable data

**Environmental & LDAR**

**PIPELINES – ON-SITE AND OFF-SITE** • Leak detection using Gas Find sensors with embedded GPS data

**EMISSIONS MONITORING** • Pipe-racks, Flares – elevated and ground based, Tanks – seal gap and tank top contours, Stacks

**Emergency Response**

**INCIDENT INSPECTION, SPILL RESPONSE, POST-STORM ASSESSMENT, RADIATION AND GAS DETECTION, LIVE STREAM TO EMERGENCY OPERATIONS CENTER (EOC)**