



Advanced Drone Technology for Industrial Excellence

Precision. Safety. Efficiency.



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Precision Inspection Solutions for Industry Applications

In today's rapidly evolving industrial landscape, the ability to enhance operational efficiency, ensure safety, and drive innovation is paramount. Garuda Aerospace stands as your strategic partner in achieving these goals. Leveraging cutting-edge drone technology, we deliver Precision Inspection Solutions tailored to the critical needs of your business.

Our services are designed to minimize risk, optimize maintenance strategies, and provide actionable insights—all while reducing costs and downtime.



Comprehensive Drone Solutions for Every Sector

Maximize Efficiency. Minimize Costs.
Drive Innovation

Garuda Aerospace delivers tailored drone solutions across diverse industries, optimizing operations, enhancing safety, and unlocking new levels of productivity.



Industry and Logistics

Services Offered

- ✓ Warehouse & Inventory – SLAM
- ✓ Warehouse Management
- ✓ Logistics Drone Delivery

Industries That Can Benefit

- Manufacturing & Warehousing
- Transportation & Logistics

Why Choose Garuda Drones?

Manual inventory tracking and logistics often lead to inefficiencies. With Garuda's innovative drone fleet, expect real-time tracking, streamlined operations, and enhanced productivity at every step of the supply chain.



Surveying and Mapping

Services Offered

- ✓ Advanced Photogrammetry
- ✓ 2D & 3D Design Modelling
- ✓ LiDAR Survey & Analysis
- ✓ Orthomosaic & Contour Lines
- ✓ Volumetric & Stockpile Monitoring
- ✓ DSM/DTM/DEM Generation
- ✓ Large Scale Mapping (2D, 3D)
- ✓ Bathymetric Survey

Industries That Can Benefit

- Energy & Utilities
- Construction & Infrastructure
- Mining & Natural Resources
- Oil & Gas
- Transportation & Logistics

Why Choose Garuda Drones?

Specialized tasks demand cutting-edge innovation. Garuda's versatile drone solutions are designed to adapt to unique operational needs, offering unparalleled efficiency, precision, and reliability across diverse industries.



Inspection and Monitoring

Services Offered

- ✓ Project Monitoring & Inspection
- ✓ Oil & Gas Pipeline Leak Detection
- ✓ Structural Damage Assessment
- ✓ Chimney Inspection
- ✓ Internal Boiler Inspection
- ✓ Mining Site Inspection
- ✓ Wind Turbine Inspection
- ✓ Highway/Traffic Monitoring
- ✓ Solar Panel Inspection & Cleaning
- ✓ Stringing & Powerline Inspection
- ✓ Inspection Using Probes & Sensors

Industries That Can Benefit

- Oil & Gas
- Energy & Utilities
- Construction & Infrastructure
- Manufacturing & Warehousing
- Transportation & Logistics

Why Choose Garuda Drones?

Traditional inspections can be risky, slow, and resource-heavy. Garuda drones redefine safety and efficiency, providing unparalleled accuracy and coverage even in hazardous or hard-to-reach environments.



Agri Solutions

Services Offered

- ✓ Crop Health Monitoring
- ✓ Precision Spraying
- ✓ Soil Mapping and Analysis
- ✓ Pollination Assistance
- ✓ Disease and Pest Management
- ✓ Harvesting Assistance
- ✓ Forest and Wildlife Survey
- ✓ Seed Spraying
- ✓ Afforestation

Industries That Can Benefit

- Crop Production & Farming
- Agri-Tech Solutions Providers
- Cooperatives & Farmer Groups
- Agrochemical Companies
- Supply Chain & Logistics for Agri-Products

Why Choose Garuda Drones?

Garuda's drones transform traditional farming by offering real-time insights, accurate data, and drone-assisted precision farming solutions. With advanced imaging and fast deployment, farmers can monitor crop health, predict yields, and optimize resource use, boosting productivity while reducing costs and environmental impact.



Environmental Monitoring

Services Offered

- ✓ Environmental Impact Assessment
- ✓ Aerial Monitoring of Ecosystems
- ✓ Pollution Monitoring

Industries That Can Benefit

- Environmental Monitoring
- Agriculture & Forestry
- Public Safety & Emergency Response

Why Choose Garuda Drones?

Ground-based environmental monitoring struggles to capture the bigger picture. Our drones empower decision-making with high-resolution aerial data and real-time analytics, helping you safeguard our planet more effectively.



Safety and Security Solutions

Services Offered

- ✓ Fire Fighting Drone
- ✓ Highway Monitoring
- ✓ Project Monitoring
- ✓ AI-Integrated Surveillance
- ✓ Facial Recognition
- ✓ Autonomous Patrol
- ✓ Crowd Monitoring and Control
- ✓ Riot Management
- ✓ Tear Gas Dropping

Industries That Can Benefit

- Public Safety & Emergency Response
- Security & Surveillance
- Transportation & Logistics

Why Choose Garuda Drones?

Static systems and manual interventions often fall short in dynamic safety scenarios. Garuda's intelligent drone systems deliver unmatched agility, speed, and precision, ensuring proactive and effective security management.



Videography

Services Offered

- ✓ Aerial Cinematography and Videography
- ✓ Event Coverage
- ✓ Real Estate
- ✓ Industrial Inspections and Surveys
- ✓ Tourism and Hospitality Promotion
- ✓ Agriculture and Environmental Monitoring
- ✓ Sports and Adventure
- ✓ Disaster Response and Relief
- ✓ Social Media Marketing

Industries That Can Benefit

- Film & Entertainment
- Real Estate & Construction
- Event Management
- Tourism & Hospitality
- Advertising & Marketing
- Sports & Outdoor Events

Why Choose Garuda Drones?

Traditional videography methods can be costly, time-consuming, and limited in reach. With Garuda's advanced drone solutions, you can achieve cinematic-quality aerial footage with speed, precision, and flexibility, enhancing storytelling and visual marketing like never before.

Revolutionizing Operations for Modern Leaders

Safety:

Protect your workforce by eliminating the need for manual inspections in hazardous environments. Our drones enhance safety protocols, ensuring compliance and reducing liability.

Efficiency:

Accelerate your inspection processes, reducing downtime and allowing for more frequent and thorough assessments without disrupting operations.

Accuracy:

Leverage high-resolution imagery and advanced sensors for precise data that supports informed decision-making and strategic planning.

Cost-Effectiveness:

Realize significant cost savings by reducing the need for scaffolding, rope access, and operational shutdowns. Our solutions are designed to maximize your ROI.

Environmental Sustainability:

Align with global sustainability goals by minimizing the environmental impact of your inspection activities. Our drone solutions support your commitment to responsible business practices.



Key Features of Garuda Aerospace Solutions

Environmental Stewardship

Minimal Environmental Impact: Drone operations have a smaller environmental footprint compared to traditional inspection methods.

Support for Sustainable Practices: Services promote the longevity and efficiency of renewable energy installations like solar panels and wind turbines.

Cutting-Edge Technology

VR and Simulation Training: Utilization of virtual reality and simulation for effective pilot training.

Tethered Transmitters: Provides stable and controlled training environments for drone operators.

Professional Training Programs

Certified Instructors: Courses led by experienced professionals ensuring high-quality education.

Comprehensive Curriculum: Covers theory, simulation, and practical flying training, aligned with DGCA regulations.

Centers of Excellence: Training available at multiple COEs across India for broad accessibility.

Customizable Solutions

Tailored Services: Solutions are customized to meet the specific needs of different industries and applications.

Scalable Operations: Services can be scaled to match the scope and complexity of various projects.

Advanced Precision Inspection

High-Resolution Imaging: Drones equipped with high-resolution cameras capture detailed visual data.

Thermal Imaging: Advanced thermal sensors detect temperature variations for identifying issues like electrical faults and insulation failures.

Real-Time Data: Live data transmission for immediate assessment and decision-making.

Comprehensive Coverage

Wide Range of Applications: Services include chimney and stack inspection, internal boiler inspection, pipeline inspection, solar panel inspection, wind turbine inspection, and structural damage inspection.

Hard-to-Reach Areas: Drones access confined and hazardous environments that are difficult or dangerous for human inspectors.

Safety and Efficiency

Risk Reduction: Eliminates the need for personnel to conduct inspections in dangerous locations.

Time Efficiency: Faster inspection processes reduce downtime and operational interruptions.

Proactive Maintenance: Early detection of issues through precise data enables timely maintenance, preventing costly failures.

Cost Optimization


Reduced Operational Costs: Minimizes the need for scaffolding, rope access, and shutdowns, offering significant savings.


Lower Maintenance Costs: Preventive insights lead to reduced repair and maintenance expenses.

Partner with Garuda Aerospace

Garuda Aerospace offers more than just drone services—we provide a strategic advantage. By integrating our Precision Inspection Solutions into your operations, you'll benefit from enhanced safety, increased efficiency, and significant cost savings. Our commitment to innovation and sustainability ensures that you're not just keeping pace with industry changes—you're leading them. Let's engineer the future together.

Contact Us Today to Learn More!

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