



SHREE MEWAR ROBOTICS
Connecting Innovation & Automation



Who We Are?

Shree Mewar Robotics & Research Services LLP is been affiliated to Shree Mewar Aviation LLP which is into Aviation business from last 7 Years by providing various aviation services in India and around the world. We are into the drone market to make things simpler and advanced in the sector of UAM/ DRONES/RPAS/UAV by making them available for Agriculture, Mapping, Freight and Supply Chain Logistics, Emergency Response, Aerial Inspection and many other possible sectors where drone or UAM or UAV can make a big difference. We are presently only single parent company to operate in this sector in Rajasthan. The company is been approved by DGCA of India.

What We DO?

SMRR (Shree Mewar Robotics & Research Services) offers drone services that provide a new dimension to logistics, aerial photography, aerial surveillance reconnaissance, inspections among other industries. Our extensive solutions are of high quality enabling us to provide premium services for our clients. Be it in delivering relief aid, fighting poaching to inspections of critical infrastructure, our drones provide a multitude of solutions people face every day.

Our cargo drone has a payload capability of up to 1500kg, 1000 Km Range and flight time of up to 24 hours on surveillance mode.

Our smaller drone is capable of 8 hours of flight carrying up to 4 Kg payload. These drones are suitable for Humanitarian cargo air transport, medical deliveries, Aerial mapping and imagery, Aerial Surveillance and Security, Agriculture, Oil and gas services, connectivity, emergency response among others.

OUR SERVICES:

- ❖ AGRICULTURE
- ❖ AERIAL MAPPING
- ❖ FRIEGHT & SUPPLY CHAIN LOGISTICS
- ❖ AERIAL INSPECTIONS
- ❖ EMERGANCY RESPONSE
- ❖ CONSERVATION
- ❖ DRONE SHOW
- ❖ UAV CUNSALTANCY
- ❖ TRAINING (RPL SCHOOL)



AGRICULTURE

The use of unmanned aerial vehicles (UAVs), also known as drones, and connected analytics has great potential to support and address some of the most pressing problems faced by agriculture in terms of access to actionable real-time quality data. Goldman Sachs predicts that the agriculture sector will be the second largest user of drones in the world in the next five years. Sensor networks based on the Internet of things (IoT) are increasingly being used in the agriculture sector to meet the challenge of harvesting meaningful and actionable information from the big data generated by these systems.

Using Infra Red, Thermal sensors and multispectral sensors allows direct visibility over the health of your field. Our solution gets you data on sunlight absorption rates, transpiration rates, crop health, soil quality and more.

✓ Our Agriculture Services:

- ✓ Precision Agriculture
- ✓ Mapping of farms
- ✓ Crop spraying
- ✓ Livestock monitoring
- ✓ Crop health monitoring

AERIAL MAPPING

Over the past several years Unmanned Aerial Vehicles (UAVs or drones) have rapidly advanced through improved flying ease, and high quality still and video photography. They have become prominent consumer products, and offer potential for low elevation aerial photography to support research and commercial applications. Most such applications feature visible light photography, but we anticipate that future remote sensing applications will include thermal and near-infrared imagery and beyond.

Aerial Photography and live video coverage for film and production. Drones take amazing pictures from angles and positions that one couldn't access otherwise.

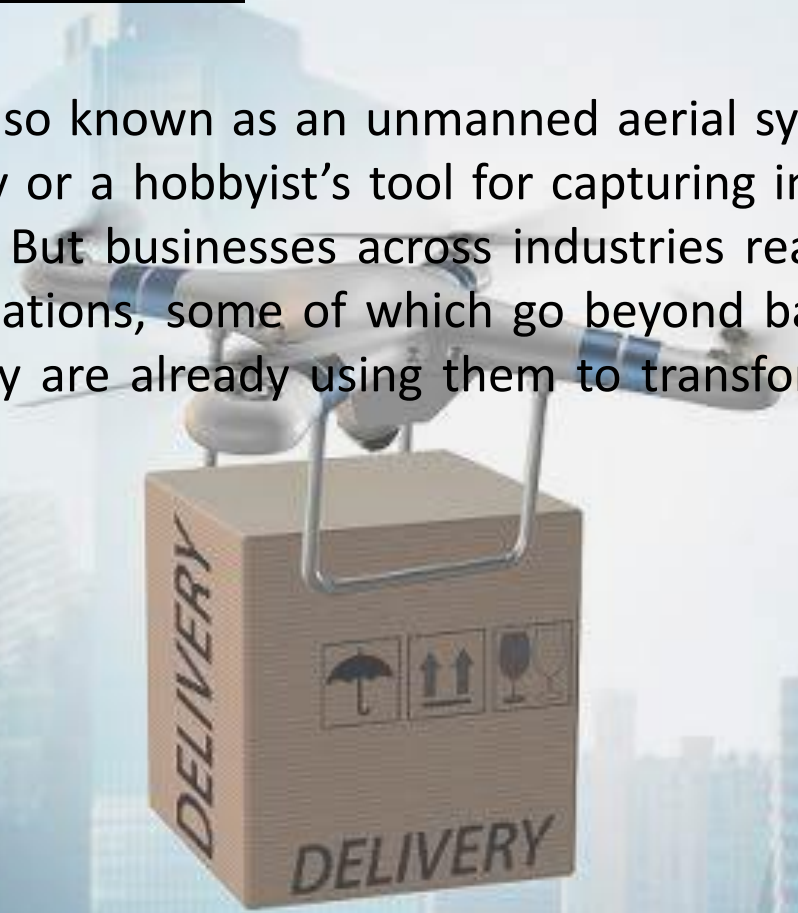
- Aerial Mapping Services:
- 3 D Mapping and Modeling
- GEOGRAPHICAL INFORMATION SYSTEM (GIS) DATA ACQUISITION.
- AERIAL MAPPING OF CONSTRUCTION SITES
- ORTHOMOSAIC AND LIDAR MAPPING
- REAL ESTATE AERIAL PHOTOGRAPHY AND VIDEO
- AERIAL PHOTOGRAPHY FOR INSURANCE RISK AND DAMAGE ASSESSMENTS
- COAST MAPPING
- TRAFFIC MAPPING
- SEARCH AND RESCUE

FRIEGHT & SUPPLY CHAIN LOGISTICS

Most people think of a drone, also known as an unmanned aerial system (UAS), as a sophisticated military technology or a hobbyist's tool for capturing images of foliage, sporting events, and cityscapes. But businesses across industries realize that drones have multiple commercial applications, some of which go beyond basic surveillance, photography, or videos, and they are already using them to transform daily work in some industries.

Freight & Supply Chain Services:

- Oil, Gas & Mining Supplies
- First Aid Relief
- Consumer Supply Chain



AERIAL INSPECTIONS

The rapid advances in sensing, battery, and aeronautics technologies, together with autonomous navigation methods and equipped low-cost digital cameras have helped make UAVs more affordable, reliable, and easy to operate. Today, large numbers of Architecture/Engineering/Construction and Facility Management (AEC/FM) firms and relevant service companies use these platforms to visually monitor construction and operation of buildings, bridges, and other types of civil infrastructure systems.

Aerial Inspection Services:

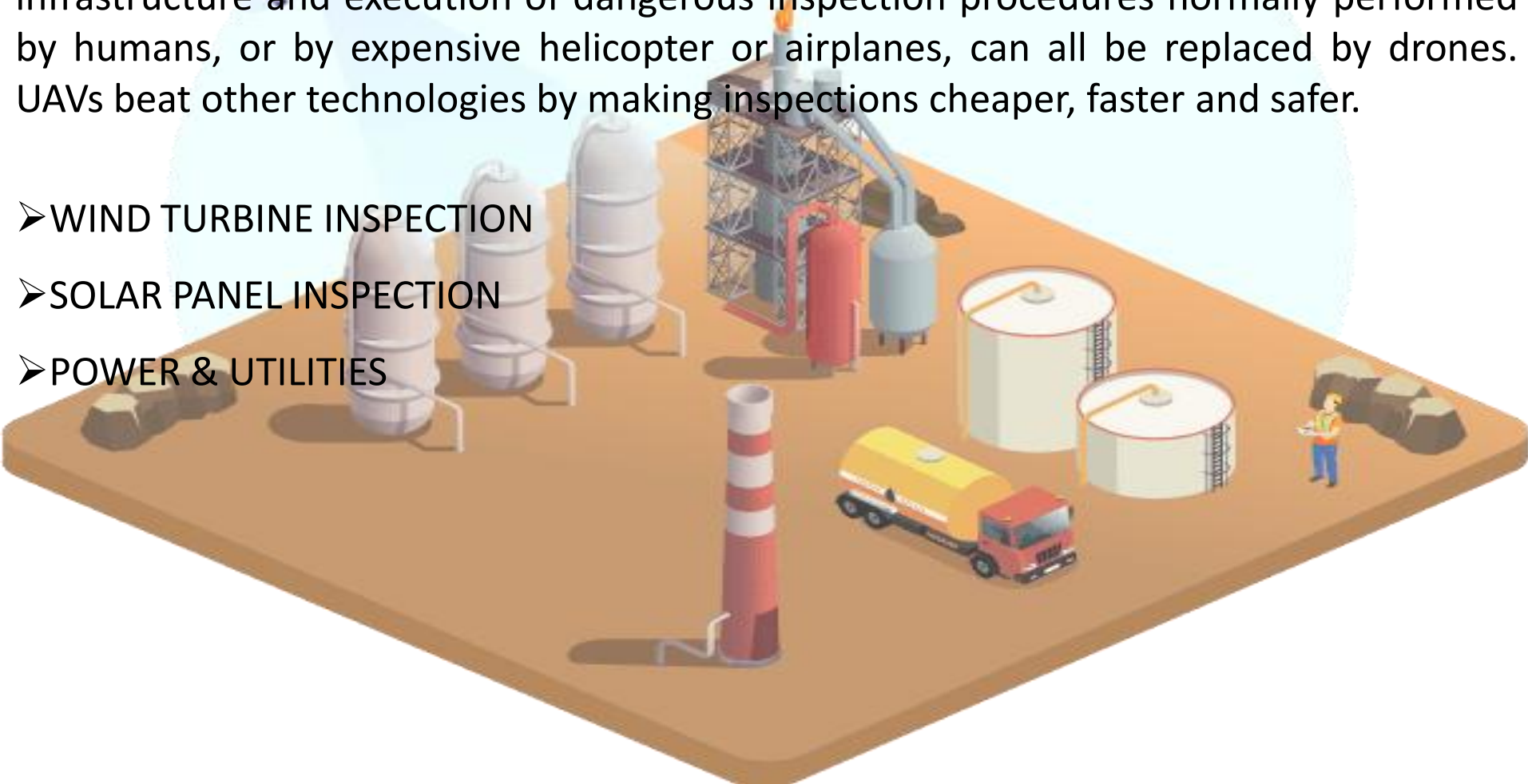
- ✓ INFRASTRUCTURE
- ✓ Railway Gauge Inspection
- ✓ HYDROPOWER DAM
- ✓ PIPELINE INSPECTIONS

Drones for Pipeline Inspection

ENERGY AND UTILITY

The potential of drones to assist in maintaining power & utilities networks is even greater. Maintenance of assets spread across a vast area, accessing hard-to-reach infrastructure and execution of dangerous inspection procedures normally performed by humans, or by expensive helicopter or airplanes, can all be replaced by drones. UAVs beat other technologies by making inspections cheaper, faster and safer.

- WIND TURBINE INSPECTION
- SOLAR PANEL INSPECTION
- POWER & UTILITIES



OIL AND GAS

The oil and gas industry is increasingly relying on robots like unmanned aerial vehicles for inspection. These drones can get into hard-to-reach or hazardous spots. They do not get bored. They can measure with precision. And they can save significant amounts of time. Inspecting equipment at height, such as flares and cooling towers, or under the deck typically requires personnel to use ropes for access. Setting that up takes time, and the work itself can be hazardous. Enter the drone, which requires little set-up time.



- Freight and Cargo Logistics
- Oil Field Mapping and Exploration
- Power and Utilities
- Emergency Response
- Aerial Surveillance
- Supply Chain



MINING

Unmanned aerial vehicles (UAVs) have recently gained popularity in the geosciences because they can be used for the systematic acquisition of georeferenced, high-resolution aerial photographs at relatively low cost, over large surface areas (hundreds of meters to kilometers). Such a workflow permits the extraction of spatial information from a series of overlapping photographs based on computer vision algorithms. The resulting computed 3D photorealistic models can provide digital elevation data and be used to accurately measure large amounts of spatial data in a fraction of time compared to traditional geological workflows.

- STOCK PILE INVENTORY MANAGEMENT
- MAPPING OF STEEP INACCESSIBLE INCLINES
- SAFETY AND COMPLIANCE MONITORING
- PRE- AND POST-BLAST DATA ACQUISITION
- WATERSHED, DRAINAGE BASIN & WATER FLOW MAPPING
- PROJECT FEASIBILITY STUDIES
- PROJECT PROGRESS MONITORING & REPORTING
- MINERAL EXPLORATION

EMERGENCY RESPONSE

Humanitarian drone use emerged initially from the drone industry's interest in acquiring legitimacy and moral capital, but the focus has since shifted to how drones can assist in humanitarian action. The applications have broadened from an exclusive focus on monitoring capacities, and now include a host of small and medium drones equipped with thermal cameras and listening devices and a range of cargo capacities.

When a disaster occurs, Shree Mewar Robotics drones may be used to provide first responders with better situational awareness, locate survivors amidst the rubble, perform structural analysis of damaged infrastructure, deliver needed supplies and equipment and help extinguish fires among many other potential applications.

Emergency Response Services:

- SEARCH AND RESCUE
- CROWD MONITORING
- COORDINATION OF RESCUE EFFORTS
- PROVIDING FIRST RESPONDERS WITH BETTER (AERIAL) SITUATIONAL AWARENESS IN CASE OF A DISASTER OR ACCIDENT
- STRUCTURAL ANALYSIS OF DAMAGED INFRASTRUCTURE
- DELIVERY OF FIRST AID KITS , BLOOD , AND EQUIPMENT TO HELP EXTINGUISH FIRES.

CONSERVATION



Ecology has only flourished as an area of research in the last 50 years, once the impact of global change became evident on both the lives of animals and those of humans as well. Researchers have since developed methods in ecology to monitor and help understand the impact of ongoing global change, improve the Earth's biodiversity system, and predict the future trends of ecology and its development. In order to achieve these goals, the Earth must be monitored through a complete, accurate and rapid collection of data, which can now be done very efficiently with the help of drones.

Environment & Wildlife Conservation Services:

- FORESTERY MANAGEMENT
- ENVIRONMENTAL MANAGEMENT
- WILD LIFE CONSERVATION



DRONE SHOWS

We tell stories and create legends. We extend the borders of possibilities and discover a new world to explore. We offer an opportunity to create your own story. Main feature in Drone Show is it can include a maximum 2000+ drones at a time, 10 min max show duration, 3 km Visibility range.

Drone Show Services:

- Holidays & Celebrations
- Festivals & Concerts
- Promotional Events
- Weddings & Events

UAV Consultancy

Between 2018 and 2020, a \$100 billion market opportunity for drones had been forecasted towards the end of 2018. These were findings published by a leading global investment banking, securities and investment management firm; Goldman Sachs.

Shree Mewar Robotics & Research Services, a Indian drone operator, understands the Indian drone market and is able to give you invaluable insights on the same. We boast of a highly skilled team of young experts to operate in this sector. We also have vast knowledge of not only the Indian drone market, but also the Sub-Asian drone market and of global trends; having been featured in conferences/panels and partnerships across the globe.

Being a subsidiary of Shree Mewar Aviation, a leading Aviation company with close to 7 years' experience, Shree Mewar Robotics draws from the expertise of well-seasoned aviation experts to provide authoritative aviation information.

Do contact us for drone consultancy services that include:

- Development of In – House ROC operation within your organization
- Drone project feasibility studies
- Market research
- Drone testing services, e.t.c

TRAINING

RPTO training school is a premier training institution that offers robust training courses customized for individuals at all levels; that is from beginners to individuals with existing experience in aviation. It is strategically situated in Udaipur, Rajasthan, which is easily accessible from all corners of India. Our comprehensive courses consist of both ground school theoretical training, simulated scenario based training and practical flying.

Training Services:

1. COMMERCIAL RPTO

Training on use of drones for commercial purposes. On successful completion, the student obtains a commercial RPTO Pilot license. Commercial RPTO categories include:

- Fixed wing option – for fixed wing drones
- Multi-rotor option for multi-rotor drones
- Dual option – for both-multi rotor and fixed wing drones



2. SPECIALIZED INDUSTRIAL TRAINING

Advanced training that give you the ability to be industry-ready and enable you to solve specific local problems with drone technology. These are some industries that we offer training on:

- Agriculture
- Mining
- Energy and Utilities
- BVLOS
- Night
- Observer Course
- Industrial
- Inspections
- Mapping

TYPES OF DRONES:

- LONG RANGE DRONES
- SHORT RANGE DRONES
- DJI DRONES
- OTHER AFFILIATIONS OF DRONES



OUR TEAM

Our team is been lead by Capt.Vikrant Shakdwipee who is the MD of the MHS Group Of company having a knowledge of 13 Years of Indian Aviation. Mrs Prachi Shakdwipee she is he CEO/Director of the company an M.Com in Business administration looking after all marketing and other administration process. We have a full time staff of 15 members from OPS staff to Accounts to Marketing & PR.

MEDIA RELATIONS

Website- www.mhsrides.com/mewarrobotics

Facebook - <https://www.facebook.com/shreemewarrobotics/>

Twitter- www.twitter.com/MewarShree

LinkedIn- www.linkedin.com/company/shree-mewar-robotics-research-services-llp



THANKS & REGARDS

(A Unit of Shree Mewar Aviation LLP)“

ISO 9001:2015 CERTIFIED COMPANY

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Website - <http://www.mhsrides.com> | www.mewarrobotics.com

**| #YourReasonToFly | #YourReasonToLand | #RedefineFlyingWithUs #YourReasonToAutomation
DRONES | PHOTOGRAPHY DRONES | AGRICULTURE DRONES | AERIAL MAPPING| FRIEGHT &
SUPPLY CHAIN LOGISTICS | EMERGENCY RESPONSE DRONES | WEDDING & EVENT DRONES |
DRONE SHOW | DRONE CUNSALTANCY | TRAINING SOLUTIONS & MANY MORE**