

SKYX TIMES



Launch of AIR Uzhavan

AIR Uzhavan is a cloud and mobile-centric platform that integrates real-time data from ground sensors and NDMI imaging from surveillance drones. Using advanced AI analytics in the cloud, it transforms raw agricultural data into actionable insights that can be accessed directly on farmers' mobile devices.

By detecting crop health, soil moisture, and environmental changes, AIR Uzhavan empowers farmers with data-driven, resource-optimized decisions, ensuring higher yields, reduced wastage, and sustainable agricultural practices.

"With AIR Uzhavan, we are not just introducing a product, but enabling a movement toward smarter, data-driven agriculture. We envision a future where every farmer has access to the power of AI in their palm,"

*-Mr. Adarsh V. Srinivasan,
Founder & CEO, SKYX Aerospace Pvt. Ltd.*

We're taking farming to new heights

SKYX Aerospace in collaboration with **Kasadara Technology Solutions**, proudly launched AIR Uzhavan, a groundbreaking AgriTech platform designed to revolutionize modern farming through drone and AI-driven intelligence. The launch took place at the Tamil Nadu Global Startup Summit 2025, held at CODISSIA Trade Fair Complex, Coimbatore. The ceremony was presided over by Dr. E. Balagurusamy, Former Vice-Chancellor of Anna University, and Mr. V. Sundaram, Director – CODISSIA Defence Innovation and Atal Incubation Centre.

News Articles:

🔗 Article 1 - <https://lnkd.in/gdXkbtKA>

🔗 Article 2 - <https://lnkd.in/ga8b8N43>

🔗 Article 3 - <https://lnkd.in/gzPTitXf>



Key Highlights

At our SKYX Marutham Factory, our dedicated team has successfully developed the next iteration of the Angle Adjustable Spraying Nozzle. This enhanced design delivers a significant increase in throw distance and overall efficiency, multiplying its performance capabilities by manyfold.



Our Founder & CEO, Mr. Adarsh V Srinivasan, had the privilege of inaugurating the Aeronautical Association of KIT-Kalaignar karunanidhi Institute of Technology as part of the prestigious Mahastra'25 celebrations on 23rd September 2025



Interesting Facts

- India is actively promoting domestic drone manufacturing and component localisation under initiatives like Production-Linked Incentive (PLI) Scheme for drones/components.
- Drones are being used in agriculture for spraying fertilizers, mapping farmlands, and monitoring crop health — saving up to 90% water and 70% time for farmers.
- The Indian Railways uses drones (called NETRA) for inspecting tracks, monitoring construction, and ensuring safety during large events.
- Swiggy and Zomato have tested drone deliveries in cities like Bengaluru and Gurugram — marking India's entry into the aerial logistics race.
- Drone shows are replacing fireworks during festivals and events — like the 2024 Republic Day celebrations that featured 5,000 synchronized drones.



Recent News articles About Drone

Robotics & drone technology are revolutionizing industries like agriculture, healthcare, logistics, and construction by enhancing efficiency, precision and automation. Despite challenges such as regulations and costs, advancements in AI and sustainability are shaping a smarter, more connected future. To know more, visit the link - <https://botsanddrones.in/news/f/the-future-of-robotics-and-drone-technology>

India's drone industry gets a major boost as the GST Council announces a uniform 5% tax on commercial drones and NIL GST on military drones and components, effective September 22, 2025. This landmark reform simplifies compliance, reduces costs, and strengthens India's position as a global drone hub. To know more, visit the link - <https://botsanddrones.in/news/f/gst-cut-tboosts-india%E2%80%99s-drone-industry>

CASE STUDIES

Drone Spraying in Agriculture



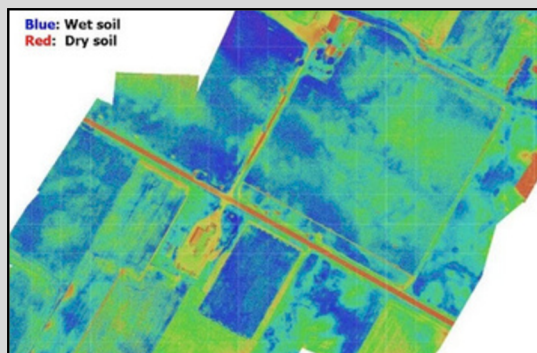
In recent field trials across multiple Indian states, farmers adopted drone technology for spraying pesticides and fertilizers over paddy and cotton fields. Each drone covered around 8–10 acres per hour, reducing labour requirements by over 80% compared to manual spraying. Despite the initial setup cost, overall operational expenses fell as fuel, labour, and time inputs decreased. Also drone spraying enhances efficiency, safety, and sustainability in modern farming practices.

Water consumption dropped drastically from 200 litres/acre to just 10 litres/acre, thanks to precision nozzles and uniform droplet distribution. Farmers reported 15–20% better pest control and 5–10% yield improvement due to accurate coverage and timely application. The technology also minimized human exposure to chemicals, improving worker safety. Despite the initial setup cost, overall operational expenses fell as fuel, labour, and time inputs decreased.

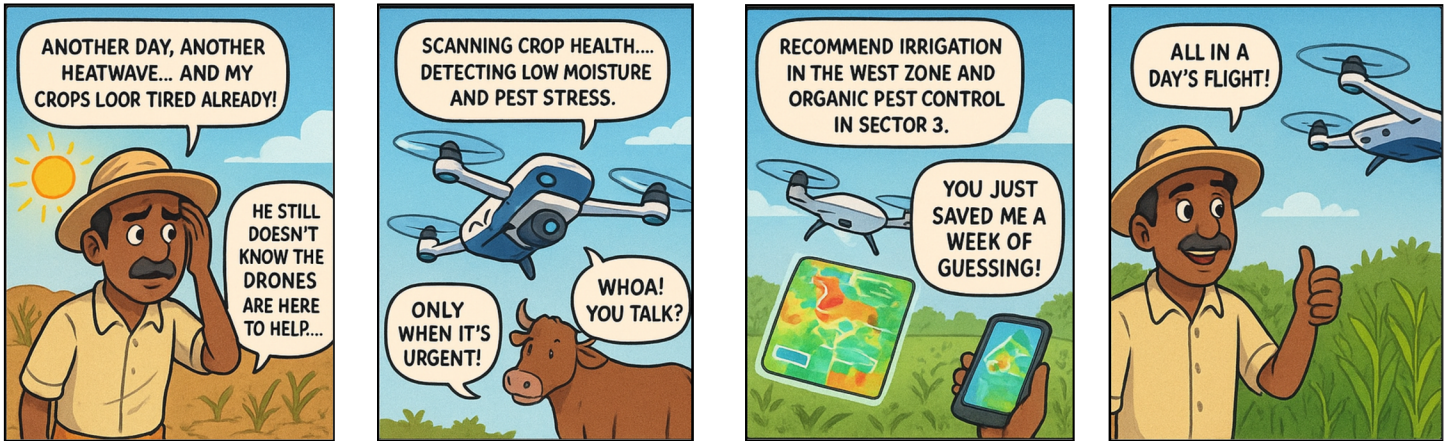
Drone-Based Crop Monitoring and Health Analysis

Farmers have begun using drones equipped with multispectral and RGB cameras to monitor crop growth and detect stress early. These drones capture high-resolution aerial images, helping identify issues like nutrient deficiency, pest attacks, or water stress long before they are visible to the naked eye. By analysing NDVI (Normalized Difference Vegetation Index) maps

farmers can assess plant health and plan targeted interventions. This technology has reduced fertilizer and pesticide usage by up to 25% and improved overall yield by 10–15%. Drones also save hours of manual field inspection, covering 50–100 acres in a single flight. Regular drone surveys allow for data-driven decisions, ensuring timely irrigation and balanced nutrient management. Overall, drone-based crop monitoring promotes precision farming, conserving resources while maximizing productivity and crop quality.



THE DAY THE FARM WENT SILENT



**EMPOWERING SMART, SUSTAINABLE
FARMING WITH NEXT-GEN DRONE INTELLIGENCE**

Where do we bring ideas to life!



SKYX MARUTHAM, our Manufacturing facility spanning over 1000 sq.ft. of floor space, the facility houses dedicated zones for component fabrication, inventory area, system assembly, electronic integration and flight testing. Modern and advanced equipment and 3D printing capabilities are integrated throughout the manufacturing floor enabling high levels of customization and production agility

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