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SKYX AEROSPACE PVT LTD
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NEWSLETTER

SKYX TIMES

Hoisting with TECHNOLOGY

SKYX Aerospace had the honor of participating in the House Flag Hoisting Ceremony at **RD National College of Arts & Science**. Showcasing the blend of innovation and celebration, our drone was used to lift the house flag high with precision and pride. The event demonstrated how drone technology can transform traditional practices into memorable experiences. Students and faculty were captivated by the display, witnessing technology in motion. SKYX Aerospace continues to promote awareness and adoption of drones across educational institutions, inspiring the next generation of innovators.

The event highlighted the safe and controlled operation of drone technology in a public campus environment. This collaboration strengthens SKYX Aerospace's mission to bridge industry and education through practical exposure.

Agri Drone Demo - FPO'S

This month, the SKYX Aerospace team successfully conducted **multiple Agri Drone demo** sessions for FPOs (Farmer Producer Organisations) in **Erode and other locations**. The sessions focused on demonstrating the importance, features, and real-time applications of Agri Drones in modern farming. Farmers were introduced to the use of drones for crop spraying, monitoring, and precision agriculture. **A live drone flying** demonstration was also conducted, giving farmers a clear view of real-time field operations. The sessions generated strong interest and active participation from the farming community. **Full story in Page 2**

KEY HIGHLIGHTS

We recently had the pleasure of welcoming **BNI members** to our factory outlet, SKYX Marutham. Our CEO, Mr. Adarsh V Srinivasan, provided an elaborate overview of SKYX Aerospace and our operations. The visit offered valuable insights into our technology, projects, and future vision. It was a meaningful interaction that strengthened our industry connections.

This month, our SKYX Aerospace team enjoyed a refreshing **Team Outing** filled with fun and interactive conversations. The outing created a relaxed environment for team members to connect beyond work. It strengthened team bonding and encouraged open communication. Such moments help build a more motivated and united workplace.

Interesting Facts

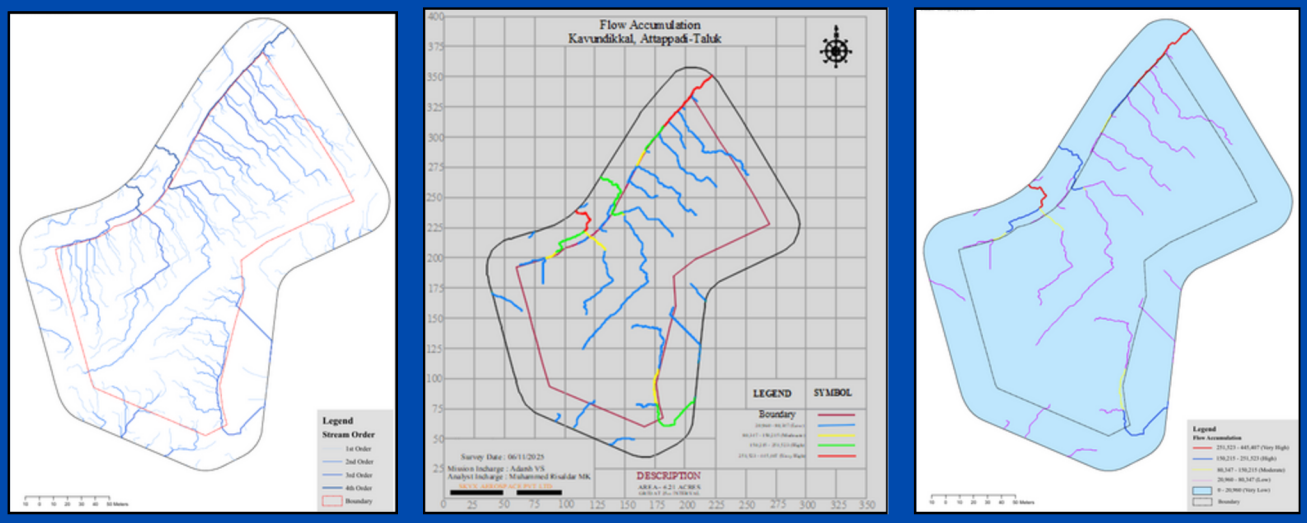
- Agriculture (precision farming, crop monitoring, spraying) is seen as one of the fastest-growing demand areas. Around 40 % of surveyed Indian drone firms expect agriculture to lead drone demand by 2030 (after defence).
- The regulatory framework has evolved: e.g., simplified air-space categorisation into Green/Yellow/Red zones, and increased allowance for drone operation in “green zones” for many drones.
- Domestic manufacturing is being prioritised, but supply chain constraints (e.g., certain critical components) remain a challenge.
- DGCA’s “Digital Sky” platform allows instant online registration of drones and flight permissions — one of the first such systems in Asia.
- Over 350 drone startups have emerged in India since 2021 — thanks to the government’s “Drone Shakti” and “Make in India” initiatives.

Agri Drone Demo for FPO’s

Through these demo sessions, farmers were educated on how Agri Drones improve efficiency, reduce manual labor, and enable precise input application. Our team explained the technical aspects of drone operations, safety measures, and best practices for agricultural use. The **live flying demonstration** allowed farmers to witness drone performance in real-time, helping them better understand its practical benefits in the field.

Interactive discussions enabled farmers to clarify doubts and explore real-world use cases. Many participants expressed keen interest in adopting drone technology for their farms. These sessions played an important role in spreading awareness about **smart farming solutions**. This initiative reflects SKYX Aerospace’s commitment to empowering farmers with the **latest agricultural technology** and innovation.

NEW GIS WORKFLOW BY SKYX AEROSPACE



This month, our SKYX Aerospace GIS Team successfully introduced a new workflow involving **Flow Direction, Flow Accumulation, and Stream Network Mapping** for a project in **Kavundikal, Attappadi Taluk**. This is the first time our office has created these hydrological maps, marking an important step forward in our technical capabilities. These outputs help us understand how water moves on the ground, where it collects, and how natural drainage lines are formed—providing valuable insights for planning, engineering, and environmental assessments.

While working on this workflow, our team faced one major challenge: flow direction arrows were not visible in AutoCAD, even though the client required the final output in that format. To solve this, we developed a custom **AutoLISP script** that successfully generated and displayed the flow direction arrows directly in **AutoCAD**. This was our first time using AutoLISP in a live project, and the solution worked smoothly.

The final output delivered to the client was clear, accurate, and easy to use. Through this project, our team not only delivered high-quality GIS results but also learned a new skill and strengthened our internal workflow. This achievement sets a solid foundation for more advanced GIS-based analysis in upcoming projects and reflects our commitment to continuous innovation.

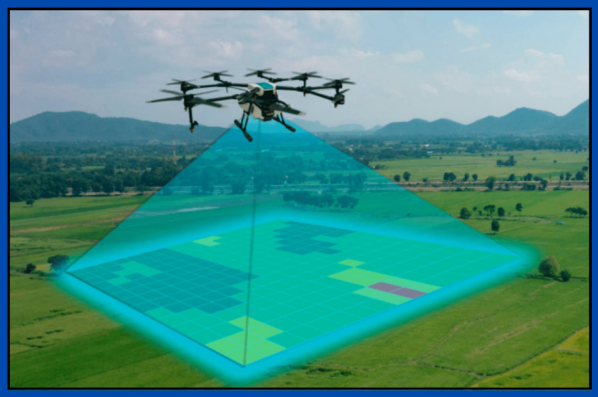
What This Workflow Achieves:

These mapping techniques help us understand surface water behaviour and support more informed planning. Through this workflow, we can now:

- Identify natural water flow paths
- Detect potential waterlogging or flood-prone areas
- Support engineering and environmental planning
- Deliver improved, high-value GIS outputs to clients

CASE STUDIES

Drone Survey & Mapping

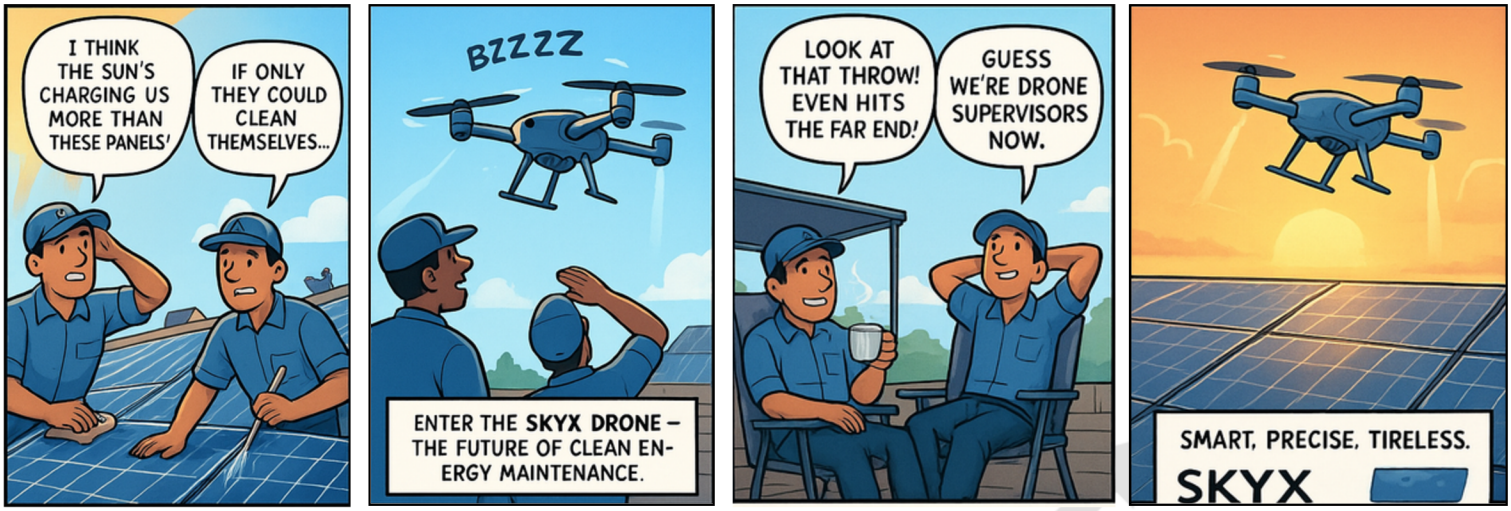


A major infrastructure corridor near Chennai adopted drone-based survey and mapping to accelerate land assessment and project planning. Using high-accuracy RTK/PPK drones, the survey team captured centimetre-level geo-referenced data along a 40 km stretch in just two days, compared to 2–3 weeks with conventional total-station methods. The resulting orthomosaic maps, DTMs, and 3D models enabled engineers to identify encroachments, utility crossings, and terrain variations with far greater clarity. This data supported accurate cut-and-fill calculations, reducing earthwork estimation errors by nearly 20%. The drone outputs also streamlined right-of-way planning and contractor coordination, improving project timelines. By shifting to drone-based mapping, the project achieved significant gains in speed, accuracy, safety, and overall cost-efficiency, ensuring smoother execution for subsequent construction stages.

Drone In Devotion

SKYX Aerospace had the unique opportunity to be part of the Temple Consecration Ceremony at Perumal Temple, Kuppanur, using our KISAAN Drone. The drone played a key role in the rituals, beautifully demonstrating how modern technology can blend seamlessly with age-old traditions. Witnessing the drone's precision, stability, and graceful operation during such a sacred event was truly special for everyone present. The event drew great attention from devotees and the local community, who were amazed to see drone technology used in a spiritual setting. It marked another memorable moment where innovation met spirituality, highlighting the growing versatility of drone applications beyond conventional use. This experience also showcased the adaptability and reliability of our drone solutions in diverse environments. SKYX Aerospace continues to explore new possibilities where drones contribute to cultural, social, and community-driven initiatives while creating meaningful impact.

THE DAY GROUND CREW TOOK A BREAK



INNOVATION TAKES FLIGHT AT SKYX
DRONES BUILT TO LIFT INDUSTRIES

VISION MEETING AT SKYX AEROSPACE

SKYX Aerospace has introduced a monthly Vision Meeting where all employees gather at SKYX Marutham to discuss ongoing and upcoming projects across departments. This initiative strengthens teamwork, improves clarity, and ensures everyone stays aligned with the company's direction. Our first Vision Meeting was successfully held on **15th November 2025,** marking a strong start to collaborative growth.

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