

NEWSLETTER

SKYX TIMES



SIDA Defence Expo 2025

SKYX Aerospace proudly participated in the SIDA Defence Expo 2025, held from 04-06 December 2025 at Rathinam College. The expo brought together key stakeholders from the defence and aerospace ecosystem, providing an excellent platform for knowledge exchange and collaboration. Our participation reflected our continued commitment to innovation and indigenous drone development. The event offered valuable exposure to emerging defence technologies and industry trends.

Our team engaged with experts, innovators, and fellow professionals throughout the three days. The experience strengthened our vision to build future-ready and reliable drone solutions. We are grateful for the opportunity to contribute to this impactful defence initiative.

Proud Sponsor SIDA Expo 2025

SKYX Aerospace is delighted to be a **Proud Sponsor of the SIDA Defence Expo 2025**, a premier platform celebrating defence and aerospace innovation. This partnership reflects our strong commitment to advancing indigenous drone technologies and future-ready solutions. We are excited to connect with **industry leaders, innovators, and defence professionals** from across the ecosystem. The expo offers a powerful space for collaboration, knowledge exchange, and technology showcase. Together, we continue building the future of aerospace & defence. We are deeply honoured to have been recognised with the **“Best Startup Award”** at the expo—an encouraging milestone that reflects our team's dedication, innovation, and shared vision for the future.



KEY HIGHLIGHTS

We recently hosted a **live Agri Drone demonstration in Erode** for the **Farmer Producer Organisation (FPO)** to showcase the practical use of drone technology in agriculture. From technical overview to real-time flying, the session helped farmers understand how drones can support smarter and more efficient farming practices.



Our team recently had the opportunity to conduct **SKYX Trainer Drone Training** for the students and faculty of the Computer Science Department at **CIT College**. With around 10 participants, the session covered hands-on learning, practical exposure, and an introduction to real-world drone applications. Empowering young minds is at the heart of what we do.



Interesting Facts

- Urban Air Mobility (Air Taxis) is moving closer to reality with successful test flights in countries like the USA, China, and UAE.
- Green drones (battery optimization + solar-supported charging) are emerging as a major trend to improve flight endurance.
- The use of drones in mining and land surveying has reduced project completion time by up to 70% compared to manual methods.
- Swarm drone technology is being actively tested for defense surveillance, disaster response, and large-area monitoring.
- Drone-based medical deliveries are now successfully transporting vaccines, blood, and emergency medicines to remote areas in under 30 minutes.
- India is among the fastest-growing drone ecosystems, with over 400+ drone startups actively operating.
- Agriculture drones now reduce pesticide usage by up to 40% while improving crop yield and farmer safety.



Vision Meets Action

We successfully conducted our **Second Vision Meeting**, focused on strengthening alignment across our operating system and key roles. The session encouraged **open and effective discussions**, bringing greater clarity to responsibilities and processes. We also recognized employees who have completed Three years with the organization, appreciating their dedication and consistent contributions.

In addition, select team members were rewarded with **small tokens of appreciation** for their outstanding efforts. The meeting concluded with a brief interactive game session, creating an engaging and positive environment. Overall, the event reinforced teamwork, recognition, and a shared sense of direction.

CASE STUDIES

Solar Inspection Using Drones



Solar inspection using drones is an efficient and technology-driven approach to monitoring photovoltaic power plants. Drones equipped with high-resolution and thermal cameras can survey large solar installations in a short time. This method helps detect issues such as hotspots, cracked panels, loose connections, and soiling losses. Compared to manual inspections, drone-based surveys significantly improve speed, accuracy, and safety.

Thermal imaging enables early identification of potential faults that may impact energy output. The collected data supports informed maintenance planning and performance optimization. Drone inspections reduce the need for manual labor and minimize operational downtime. They also enhance worker safety by eliminating the need for direct access to panels. As the solar industry continues to expand, drone-based inspection has become a reliable and scalable solution for efficient solar asset management.

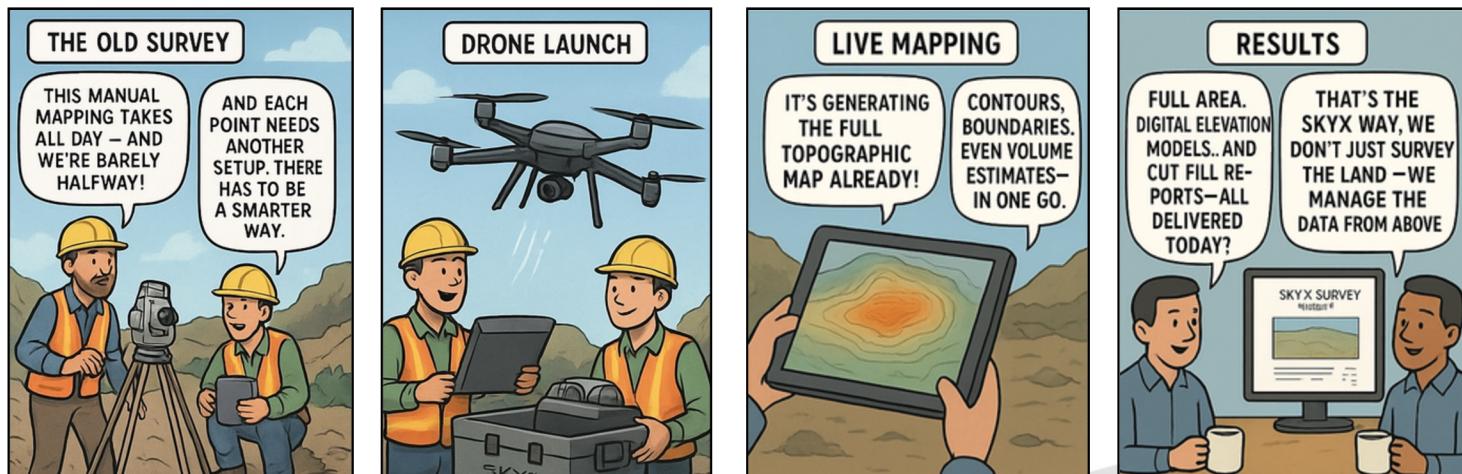
Drone Training at PSG iTech

SKYX Aerospace had the privilege of conducting a two-day drone training program for the B.E. Mechanical Engineering students of PSG College of Technology. The program was designed to provide a strong foundation through structured theoretical sessions followed by hands-on practical training. Students were introduced to drone components, flight principles, safety protocols, and operational techniques.

The practical sessions allowed them to gain real-world exposure under expert guidance. In addition to the training, our team supported the setup of the institution's Drone Laboratory to encourage continued learning and experimentation. As part of this collaboration, PSG Tech procured our Carter and KISAAN drones for academic and practical applications. The students demonstrated great enthusiasm and curiosity throughout the sessions, making the program both engaging and impactful. The students showed strong enthusiasm, curiosity, and engagement throughout the program.



THE DAY SURVEY WENT HANDS-FREE



SKYX DRONES – SMARTER SURVEYS. BETTER DECISIONS.

FROM THE CEO'S DESK



At SKYX Aerospace, innovation is our craft and impact is our compass. We build technology that earns trust—not just through engineering excellence, but through purpose. This year reaffirmed that bold ideas shape progress, but commitment shapes legacy. Whether flying between buildings or watching over forests, every system we design carries responsibility, safety, and intent. SKYX is more than a company—it's a community of builders driven to expand what's possible, ethically and intelligently. The sky isn't our limit. It's our starting line.

As we step into a new year, we wish everyone a very **Happy New Year** - may 2026 bring growth, innovation and success

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