USE CASE · ELECTRIC X8

Heavy-lift cargo drone for forward-post resupply

Forward posts need rations, water, medical kits and spares, and the road is often slow, cut or absent. A heavy-lift cargo drone moves a real load in one short flight. What matters is the load it carries, how far it goes with that load, and how fast it turns round for the next sortie.

IN SHORT

- A heavy-lift cargo drone carries stores to forward posts where trucks struggle; the Star INXS Electric X8 carries 80-120 kg in a detachable cargo pod.
- Its published figures are 30 minutes of flight time, a 50 km/h cruise speed and a 25 km range, with two hot-swappable Li-ion battery packs for quick turnarounds.
- It is all-electric with eight brushless motors, navigates by GPS / GNSS (RTK-ready) over an encrypted data link, and takes off and lands automatically or manually.
- No altitude figure is published for the Electric X8, so ask for payload and flight time at the altitude and temperature of your own posts.



THE FIGURES THAT MATTER

FIGURE	WHY IT MATTERS FOR RESUPPLY	ELECTRIC X8
Payload	How much reaches the post in one sortie	80-120 kg
Range	How far the post can be from the launch site	25 km
Flight time	Sets the length of each sortie	30 min
Cruise speed	Time to the post	50 km/h
Battery	Turnaround between sorties	2 x high-energy Li-ion, hot-swappable
Configuration	Lift and redundancy	Electric X8 coaxial multirotor, 8 brushless motors
Frame	Strength for weight	Carbon fibre and aerospace aluminium

HOW A RESUPPLY SORTIE WORKS

1. **Check the rules.** Check the current DGCA rules and your service's own regulations for cargo flights before you plan routes.
2. **Prepare the landing sites.** Mark a clear, level area at each end and brief the receiving party.
3. **Load the pod.** Unlatch the cargo pod, load the stores and clip it back on with the quick-release latches.
4. **Fly the sortie.** The aircraft takes off automatically or manually and flies to the post on GPS / GNSS navigation over the encrypted link.
5. **Unload and return.** The receiving party unloads the pod and the aircraft returns.

COMMON QUESTIONS

Who makes the Electric X8?
Star INXS Solutions Pvt Ltd. The Electric X8 is designed and built in India.

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