

Registration Form for Vendor Interaction on Programmable Drones for substation aerial inspection

Date: 11.04.2023

Time: 10:30 a.m. – 02:30 p.m.

Venue: First Floor Conference Hall, PARTeC Building, PAL Complex, POWERGRID, Manesar, Gurgaon

Background:

POWERGRID is one of the largest transmission utilities in the world with over 175,000 circuit km of transmission lines and 276 substations. With an aim to improve operational efficiency, POWERGRID intends to procure and develop programmable drones having advanced sensors and analytics in image processing so that actionable insights may be extracted.

Following salient features are envisaged for the aerial inspection through drones:

1. Capability for remote operation and sufficient endurance to fly/hover through rough wind conditions and extreme temperature.
2. Adequate battery back-up to complete inspection of large 765 kV switchyards (spread over 70 acres) in single flight.
3. Meet all safety and regularity requirement.
4. Resilient enough to capture / transfer data while traversing through high electro-magnetic field.
5. All data and information obtained through sensors mounted on drone are to be automatically integrated to one single common platform and the reporting and MIS framework is to be automated by using available data sets.
6. Reporting framework should have the capabilities of high data exploration, slice & dice, exploratory analysis and augmented analytics.
7. Availability of reports on mobile devices & tablets for quick decision making.

We invite all the vendors manufacturing drones for a discussion on POWERGRID's future plans for development of drone technology and aligning the same with current industry practices

Please fill the information below to register yourselves for the meet

Name of Vendor:

List of Delegates (max 2)

Sl. No.	Name	Designation	Mobile No.	E-mail ID
1.				
2.				

Note: The registration is to be done by 05.04.2023. The invitation is on first come-first serve basis with max capacity of 50 delegates. Successful Registration is not to be treated as invitation for participation.

Based on availability, final confirmation of participation shall be sent by 06.04.2023.