

## DRONE VOLT

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### and AMPACIMON successfully install a DLR sensor on a 220 kV power line using the LINEDRONE DLR

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**A strategic advance in intelligent maintenance and dynamic optimization of network capacity**

*Villepinte, 29 April 2025*

**DRONE VOLT, a manufacturer of professional civilian drones and an expert in on-board solutions, and AMPACIMON, the world leader in Dynamic Line Rating (DLR) technology, have announced the successful installation by drone of a DLR sensor on a 220 kV high-voltage line in service, operated by a European public electricity transmission operator. This operation confirms the reliability, speed and precision of the DLR LINEDRONE for complex work on live lines, in a global context where electricity is becoming a strategic lever for economic development.**

#### **Data sheet – LINEDRONE DLR**

- Take-off weight: 24.7 kg
- Dimensions: 1.35 m x 1.35 m x 0.75 m
- Sensor installation time: 1 minute 30 seconds maximum
- Electrical immunity: up to 315 kV
- Compatibility: single lines, double, triple or quadruple bundles; conductors from 16 mm to 40 mm in diameter

#### **Mission completed :**

- Line: 220 kV overhead line - energized
- Operating height: 50 meters
- Technology used: AMPACIMON DLR sensor, measuring temperature, sag, current and vibrations in real time
- Method: aerial drone, on-board robotic arm, installation without human contact, without interruption

#### **Electricity, a global challenge for growth**

In a world undergoing an energy transition, reliable access to electricity is a major geostrategic challenge :

- It enables companies to significantly increase their production capacity.
- It encourages manufacturers to locate strategically in areas with good energy supplies.

Dynamic Line Rating (DLR) technology meets this need by instantly optimizing the capacity of existing lines by up to 40%, without any major infrastructure works. The energy transition now relies on technological solutions capable of acting directly on critical electricity transmission and distribution assets, as enabled by DLR systems combined with intelligent drones.

#### **A new standard for installing network sensors**

- Rapid response (< 2 min)
- Zero line interruption
- No risk for technicians
- Significant reduction in installation costs

Thanks to LINEDRONE DLR, the installation of intelligent sensors becomes a concrete lever for improving network performance and industrial profitability, for operators and their end customers alike.

#### **Ampacimon, world leader in DLR**

Active since 2010, Ampacimon now equips dozens of network operators around the world. Its DLR sensors are renowned for their reliability, accuracy and ease of integration.

**A growth opportunity for DRONE VOLT**

This major advance validates the use of LINEDRONE DLR in a complex operational scenario. It also strengthens its access to the smart grid, network digitalization and high added-value services markets.

Finally, it offers promising deployment prospects with electricity transmission system operators around the world.

DRONE VOLT is developing and adapting LINEDRONE technology for the installation of Dynamic Line Rating (DLR) sensors. Thanks to its large payload capacity and a design optimized for working in high-voltage environments, the LINEDRONE is one of the few drones in the world capable of working in direct contact with power lines in complete safety.

DRONE VOLT has demonstrated its ability to integrate external technologies such as the DLR sensors developed by AMPACIMON, making the most of previous LINEDRONE developments while expanding its use cases on electricity networks.

This versatility positions the LINEDRONE as a unique intervention platform for modernizing and digitalizing critical electricity transmission and distribution assets.

Marc COURCELLE, CEO of DRONE VOLT, said: 'In a global context where electricity is at the heart of economic and industrial issues, this mission shows that we know how to combine technological precision and strategic vision. The DLR LINEDRONE is a transformation tool for the networks of the future.'

**Next press release: Sales for the first half of 2025, Wednesday 16 July 2025.**

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**About DRONE VOLT**

Founded in 2011, DRONE VOLT is an aircraft manufacturer specialising in professional civil drones and artificial intelligence. DRONE VOLT has operations in France, the Benelux countries, Canada, Denmark, the United States, Switzerland and Indonesia. As a global partner, DRONE VOLT offers its customers 'turnkey' business solutions including various services and drone pilot training.

The DRONE VOLT Group, a member of GICAT, generated sales of €32.7 million in 2024, representing annual growth of 36%.

DRONE VOLT supplies administrations and manufacturers such as the French Army, the Ministry of Defence, Engie, Total, Bouygues ES, ADP, the Gendarmerie des Transports Aériens (GTA) and international government agencies.

DRONE VOLT is qualified as an 'Innovative Company' by Bpifrance.

**DRONE VOLT is listed on Euronext Growth in Paris:**

Share: Mnemo: ALDRV - ISIN Code: FR001400SVN0 - Eligible: PEA, PEA-PME

Warrant: Mnemo: BNBS - ISIN Code: FR0014007951

More information on : [www.dronevolt.com](http://www.dronevolt.com)

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