

KEPCO Signed MoU with Vertical Aerospace for the joint development of charging facilities for e-VTOL

15th November 2023

The Kansai Electric Power Co., Inc.

The Kansai Electric Power Co., Inc. (KEPCO) and Vertical Aerospace Group Ltd. (Vertical) today signed Memorandum Of Understanding (MoU) to cooperate on the Advanced Air Mobility (AAM) opportunity, and will establish a joint working group to study, define and research on electric chargers and infrastructure, and charging standards in Japan, and other relevant markets in Asia.

Vertical Aerospace is a leading e-VTOL aircraft manufacturer headquartered in Bristol, UK, and is designing a 1 pilot, 4 passenger seat eVTOL to the highest aircraft safety design standards under SC-VTOL, with a target certification with the UK Civil Aviation Authority (CAA) by end 2026. Vertical Aerospace aims to fly the e-VTOL (VX4) at the Osaka Kansai Expo in 2025.

Vertical Aerospace will mainly coordinate specification define requirements for charging facilities for e-VTOL, while KEPCO will develop DC fast chargers, battery cooling systems, energy management systems, etc. based on this information.

The knowledge and results obtained from this project will be used for flying eVTOLs at the Osaka-Kansai Expo and for their subsequent social implementation in Japan and other Asian countries.

Through this business alliance, KEPCO will accelerate the development of charging facilities tailored for each e-VTOLs and contribute to the realization of a zero-carbon society through the promotion of AAM.

Ends

Appendix : Outline of MoU with Vertical Aerospace



Outline of MoU with Vertical Aerospace

<Outline of MOU >

- ① Jointly define the requirements, design and operations for electric chargers for the VX4 eVTOL, leading to the development of charging facilities for e-VTOLs (DC fast chargers, battery cooling systems, energy management systems)
- ② Research and define the charging infrastructure required for operation services of e-VTOLs and collaboration with related companies and ministries
- ③ Research on specifications and regulations for charging facilities for e-VTOLs
- ④ Study on carbon-neutral operation services of e-VTOLs
- ⑤ Efforts to contribute to social acceptance and awareness of Advanced Air Mobility

<Outline of Vertical Aerospace >

Established	2016
Founder & CEO	Stephen Fitzpatrick
Location	England, United Kingdom
Business	Development, manufacture, and sales of eVTOL partnering with tier one aerospace industry suppliers including, without limitation, Honeywell International Inc., Rolls-Royce Holdings plc, Molicel, GKN Aerospace Services Limited, Leonardo S.p.A., Hanwha Aerospace, Solvay, and Microsoft Corporation

<Image of e-VTOL(VX4) developed by Vertical Aerospace >

