

February 16, 2026

ACSL Ltd.

ACSL and Japan Post Demonstrate PF4 Dual-Drone Operation

- ACSL will provide its long-range, multi-use drone “PF4” and operational support for Japan Post’s demonstration of dual-drone operation in Toyooka City, Hyogo Prefecture.
- The demonstration aims to gain insights into reducing per-aircraft operating costs through simultaneous operation of two drones.
- Using PF4—which allows users to customize payloads themselves—the project will realize Japan’s first simultaneous flight of two identical aircraft models for logistics and patrol missions.

ACSL Ltd. (ACSL) hereby announces that it will provide two units of its long-range, multi-use drone “PF4,” as well as operational support, for a demonstration of dual-drone operation (the “Demonstration”) to be conducted by Japan Post Co., Ltd. (“Japan Post”) in Toyooka City, Hyogo Prefecture, from February 24 to March 3, 2026.

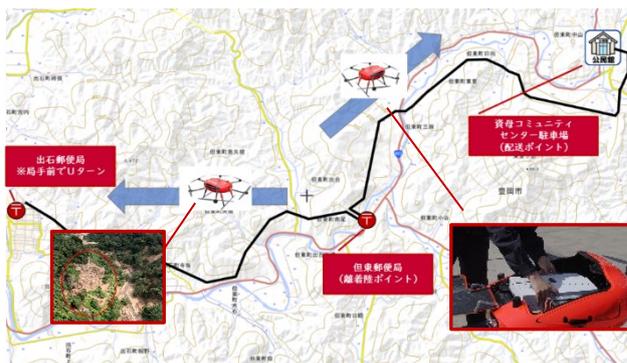
■ Overview of the Demonstration

Since FY2023, Japan Post and ACSL have been working with Hyogo Prefecture and Toyooka City to conduct demonstrations of drone delivery services with the aim of establishing sustainable logistics networks in mountainous and depopulated areas amid the area’s declining working-age population.

These demonstrations have already produced results such as expanding delivery routes and enabling fully remote operations. In FY2025, the project will focus on *simultaneous operation of multiple drones*, a critical challenge for the commercialization of drone logistics.

In previous demonstrations, one operator controlled a single aircraft. Establishing a system in which a single operator can monitor and control multiple drones simultaneously is expected to reduce labor costs and significantly enhance the practicality of drone-based logistics.

For this Demonstration, ACSL will provide two PF4 units. One unit will perform a logistics delivery mission, while the other will conduct a patrol mission (e.g., monitoring for landslides) under a disaster-response scenario, each following separate flight routes. This marks Japan’s first simultaneous operation of two identical aircraft models for different mission types.



Flight routes (Created by Japan Post based on Geospatial Information Authority of Japan maps)

■PF4 Long-Range, Multi-Use Drone

PF4 is an innovative industrial multirotor drone designed primarily for logistics but suitable for a wide range of applications. In its logistics configuration, the PF4 offers long-range performance capable of flying 40 km with a 5.5 kg payload, along with high landing precision, strong wind resistance, and all-weather operability—capabilities designed for real-world operational environments.

To support multi-purpose use, the PF4 can be equipped with mission-specific payloads for logistics, surveying, inspection, and nighttime BVLOS flight. These payloads can be exchanged by users themselves thanks to PF4’s modular design.

The dual-mission simultaneous operation conducted in this Demonstration was enabled by this payload-exchange mechanism, allowing the same PF4 aircraft model to be configured for logistics and patrol missions respectively. This facilitates standardization of aircraft operation and maintenance, contributing to the establishment of sustainable drone operations in local communities.



long-range, multi-use drone “PF4”

Product Name	PF4
Dimensions	Arms Deployed: 2,265 mm × 2,493 mm × 624 mm (incl. rotors) Arms Folded: 1,067 mm × 924 mm × 624 mm
Airframe Weight	12.1 kg (logistics configuration)
Battery	20,000 mAh × 4
Weight with Battery	19.4 kg (logistics configuration)
Maximum Payload	5.5 kg (logistics configuration)
Maximum Flight Time	No Payload: 70 min Max Payload: 50 min
Maximum Flight Range	No Payload: 50 km or more Max Payload: 40 km
Maximum Transmission Distance	4 km (2.4 GHz, unobstructed) Unlimited within LTE coverage (LTE mode)
Water Resistance	Operable in rainfall up to 10 mm/h
Maximum Airspeed	25 m/s
Maximum Flight Speed	20 m/s
GNSS	GPS + QZSS (Michibiki), CLAS compatible

Features	Hot-swap, remote controller, internal system redundancy, fault tolerance, multi-SIM support (optional)	
Multi-Payload Examples	Logistics	LiDAR (YellowScan Ultra 3+)
	Infrared + Visible Camera (VIO)	Compact gimbal camera (CX-GB200, etc.)

As a leading drone manufacturer in Japan, ACSL will continue advancing aircraft development and operational support to promote the social implementation of drones in the logistics sector, contributing to the realization of sustainable logistics.

ACSL Ltd.

ACSL is a manufacturer that develops and mass-produces industrial drones made in Japan under the mission, “Liberate humanity through technology.” Leveraging proprietary autonomous control technologies and high reliability, our products contribute to the maintenance of social infrastructure and the enhancement of safety and security across a wide range of fields, including aerial photography, inspection, logistics, and disaster response.

For more information visit <https://www.acsl.co.jp/en/> .

Attention

This document is an unofficial translation of the timely disclosure on February 16, 2026 by ACSL and this is for reference purpose only. In case of a discrepancy between the English and Japanese versions, the Japanese original shall prevail.