

February 20, 2026

ACSL Ltd.

ACSL Provides PF2-CAT3 for Area-Based Level 4 Medical Delivery Demonstration

- ACSL supplied its “PF2-CAT3” and provided operational support for an area-based Level 4 flight demonstration for medical delivery conducted by sora-iina Inc. in Goto City, Nagasaki Prefecture.
- Using PF2-CAT3, the first unmanned aircraft in Japan to obtain Class 1 Type Certificate, the demonstration successfully achieved doorstep delivery of medical pharmaceuticals to a hospital rooftop via Level 4 flight.
- ACSL will continue strengthening collaborations with drone logistics operators and promote the real-world deployment of “sustainable logistics” utilizing drones.

ACSL Ltd. (ACSL) hereby announces that it supplied “PF2-CAT3,” an unmanned aircraft that has obtained a Class 1 Type Certificate, and provided operational support for a pharmaceutical delivery demonstration conducted by sora-iina Inc. (sora-iina) on February 19, 2026, in Tomie, Goto City, Nagasaki Prefecture. This demonstration (the Demonstration) was conducted through area-based permissions and approvals for Level 4 flights (beyond visual line of sight over inhabited areas).

This initiative follows the Level 4 delivery demonstration previously conducted by sora-iina in November 2025 in Shinkamigoto Town.*1

*1 [ACSL、全国初のエリア単位でのレベル4飛行配送実証に機体提供](#) (Japanese only)

■PF2-CAT3

PF2-CAT3 (formal name: ACSL PF2-CAT3 Type) was developed specifically for Level 4 flight operations and became the first unmanned aircraft in Japan to obtain Class 1 Type Certificate in March 2023.

The type certification system is a regulatory framework administered by the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) under the Civil Aeronautics Act. The system examines whether the design and manufacturing processes of unmanned aircraft types intended for specified flights comply with safety standards and uniformity standards in terms of strength, structure, and performance, thereby ensuring the safety and consistency of such aircraft.

The system was introduced in December 2022 following regulatory revisions that enabled Level 4 flights.*2 For aircraft types that have obtained a Class 1 Type Certificate, some of the inspections required for Class 1 Aircraft Certification (a requirement for Level 4 operations) may be partially omitted.

As the first aircraft in Japan to obtain Class 1 Type Certificate, PF2-CAT3 has been used in multiple Level 4 demonstrations and continues to lead the real-world deployment of drone delivery.

*2 About Level 4 Flight

Drone flights conducted beyond visual line of sight (BVLOS) refer to operations in which the operator cannot directly see the aircraft, and they are classified according to the flight environment. BVLOS over uninhabited areas is defined as “Level 3,” while BVLOS over inhabited areas is defined as “Level 4,” which was newly permitted following revisions to the Civil Aeronautics Act in December 2022.

While Level 3 flights are limited to areas such as mountainous regions or over the sea between remote islands, Level 4 flights enable operations in urban areas, allowing for applications such as drone delivery and facility inspection. This is expected to accelerate the real-world deployment and adoption of drones and improve convenience and efficiency.

【Specifications】

Item	Specification
Model Name	ACSL PF2-CAT3 Type Class 1 Type Certificate and Class 1 Aircraft Certificate obtained
Dimensions	1,174 mm × 1,068 mm × 601 mm (including propellers)
Weight	Aircraft: 5.53 kg / Battery: 3.27 kg Maximum payload: 1.00 kg Maximum takeoff weight: 9.80 kg
Maximum Flight Time	17.5 minutes (at maximum takeoff weight)
Maximum Speed	Horizontal: 10 m/s (36 km/h) Ascent: 3 m/s Descent: 2 m/s
Flight System	Electric-powered, autonomous control
Monitoring System	Flight behavior monitored via GCS PC Supports abnormal conditions alerts and emergency landing commands
Other Features	Equipped with emergency parachute Capable of carrying up to 1.0 kg of cargo Operable in wind speeds up to 10 m/s



PF2-CAT3

■ Overview of the Demonstration

This Demonstration was conducted as part of the Cabinet Office’s “FY2025 Study on the Development and Implementation of Advanced Services and Regulatory/System Reforms,” which targets Nagasaki and Fukushima Prefectures designated as the “Kizuna” Special Zones. ACSL supplied Level 4-capable PF2-CAT3 and provided operational support for the demonstration.

Since April 2022, sora-iina has delivered pharmaceuticals to medical institutions and pharmacies across the Goto Islands. Current operations rely on fixed-wing drones performing Level 3 flights, in which cargo is dropped by parachute at uninhabited locations such as ports, requiring recipients to collect the packages

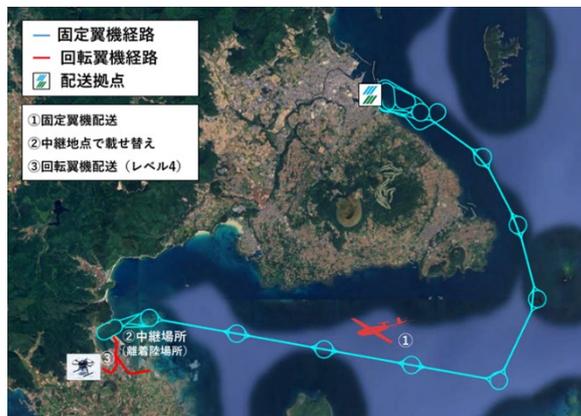
themselves.

To improve user convenience through direct delivery into inhabited areas, sora-iina has been verifying a delivery model that combines a fixed-wing drone with the Level 4-capable PF2-CAT3. The first demonstration was conducted in Shinkamigoto Town in November 2025, followed by this second demonstration in Goto City.

The Goto City demonstration proceeded as follows:

- Pharmaceuticals transported by fixed-wing drone and dropped at an intermediate point
- Cargo transferred to PF2-CAT3
- PF2-CAT3 conducted Level 4 flight based on area-wide permissions, flying over urban areas and delivering directly to the rooftop of Tomie Hospital (direct rooftop delivery)

The pharmaceuticals ordered by Tomie Hospital were delivered.



Delivery route for the Demonstration

Additionally, discussions were held with MLIT's Aviation Bureau regarding rationalization of preliminary area surveys required for area-based permissions and approvals for Level 4 flights. Progress in regulatory development is expected to support the commercialization of drone delivery.

Under its mid-term plan "ACSL Accelerate FY26," ACSL has set out six key strategies aimed at becoming a "trusted global manufacturer supporting safety and security." This initiative contributes to the strategy of "Domestic infrastructure maintenance." Leveraging its accumulated expertise in drone development and field demonstrations in the logistics sector, ACSL will continue providing certified aircraft and other high-performance models as well as operational support. ACSL will deepen its collaboration with sora-iina and other drone delivery operators, contributing to the expansion of drone delivery and the sustainability of regional logistics infrastructure.

As a leading manufacturer in Japan's drone industry, ACSL will continue advancing initiatives toward realizing "sustainable logistics" through the real-world deployment of drones in the logistics sector.

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, please visit <https://www.acsl.co.jp/en/> .

Attention

This document is an unofficial translation of the timely disclosure dated February 20, 2026, and is provided for reference purposes only. In the event of any discrepancy between the English and Japanese versions, the Japanese original shall prevail.