



INNOVATIVE
SPACE
CARRIER

Innovative Space Carrier (ISC)

Japan · founded 2022 · innovative-space-carrier.co.jp

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PRODUCTS

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as of 27 August 2026



Innovative Space Carrier (ISC)

Innovative Space Carrier Inc. (ISC) was founded in May 2022 in Tokyo, Japan by Kojiro Hatada, a former Ministry of Economy, Trade and Industry (METI) official who led Japan's J-Startup program. The company's mission is to democratize access to space by building infrastructure for daily, affordable space travel and cargo delivery — the same ubiquitous reliability that people expect from air travel, applied to orbital transportation. ISC is developing ASCA, a single-stage-to-orbit reusable rocket designed to carry 10-tonne payloads to low Earth orbit at approximately 400 km altitude, or accommodate up to 50 passengers for point-to-point transportation. The rocket is engineered for a turnaround cycle of once per day and a lifetime of more than 1,000 reflights with regular inspection and maintenance — dramatically lowering per-flight cost compared with expendable vehicles. The development follows an agile three-phase roadmap through the 2040s, supported by ISC's proprietary P4SD platform — a cloud-based space engineering environment that integrates flight simulators, aerodynamic solvers, digital twins, and additive manufacturing tooling to compress traditional multi-year design cycles. ASCA 1.0, a subscale test vehicle (8.3 m tall, 2.0 m diameter), conducted initial vertical takeoff and landing trials focused on guidance and control technology acquisition in 2025–2026. Beyond point-to-orbit launch, ISC's long-term vision encompasses spaceports, suborbital point-to-point passenger transport linking distant cities within 60 minutes, and space tourism — positioning the company as a full-spectrum space transportation infrastructure provider rather than a single-product launch vendor.

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Product catalogue



INNOVATIVE SPACE CARRIER (ISC)

ASCA

ASCA (アスカ) is the collective name for the reusable rockets developed by Innovative Space Carrier, aiming to make space accessible to everyone.

Re-flight capability	1,000+ flights
Turnaround time	1 day
Payload capacity (LEO)	10 tons
Passenger capacity	50 people

price on request



INNOVATIVE SPACE CARRIER (ISC)

ASCA Project

Innovative Space Carrier (ISC) is developing ASCA, a reusable rocket, alongside spaceports, P2P high-speed transport, and affordable space travel to create a new core industry.

price on request



INNOVATIVE SPACE CARRIER (ISC)

ASCA Reusable Launch Vehicle

Single-stage-to-orbit reusable rocket designed for daily orbital operations — 10-tonne payload to 400 km LEO, 50-passenger capacity, 1,000+ reuse flights, once-per-day turnaround.

Vehicle type	Single-Stage-to-Orbit (SSTO), Reusable
Payload to LEO (400 km)	10,000 kg
Passenger capacity	50 people
Reuse lifetime	>1,000 flights
Turnaround time	1 day (target)
Asca 1.0 total length	8,290 mm
Asca 1.0 diameter	2,000 mm

price on request



INNOVATIVE SPACE CARRIER (ISC)

NARRAVITY

NARRAVITY is a platform that offers new possibilities for product development and branding by leveraging the space environment, available from 2026.

price on request



INNOVATIVE SPACE CARRIER (ISC)

P4SD

P4SD is a platform that introduces an agile flow to space development, eliminating individual dependency and easily leveraging know-how to drastically shorten development periods.

price on request

Contact Innovative Space Carrier (ISC)

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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