



SPACE ONE

Opening Space for Business

- SPACE ONE 的勇敢挑戰 -

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Finance Manager General Operations Group, SPACEONE

July 2024

SPACE ONE Co., Ltd.

“

**AT SPACE ONE, 'FAILURE'
DOESN'T EXIST.
EVERY ATTEMPT FUELS
FUTURE SUCCESS**

”

**Masakazu Toyoda
SPACE ONE CEO**

March 13, 2024
Flight 1 Mission of KAIROS



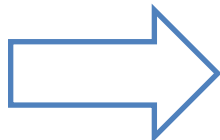
Cross-sector Development Team

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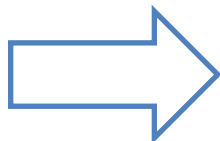
Canon

SHIMIZU CORPORATION
SHIMZ

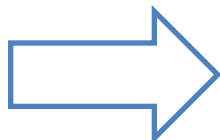
IHI AeroSpace



- Investment
- Personnel Support
- Development Partnership

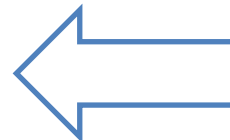


Finance

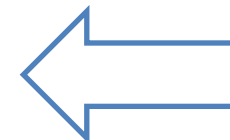


Business Development in Partnership with Local Authorities

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Investment



Personnel Support
Technical Partnership

MIZUHO

MUFG

関西電力
The Kansai Electric Power Company

Mak/Max
太陽工業株式会社

オークワ
local business

東証ジャスダック上場企業
アズマハウス株式会社
local business

Nabtesco

JAXA



On Demand Service

SPACE ONE



Reliability

Our launch vehicles leverage Japan's rich heritage in solid propellant technology.

Responsiveness

We target the world's fastest service from contract to launch.

Flexibility

Our southeast-facing launch site allows flexible satellite delivery.

Affordability

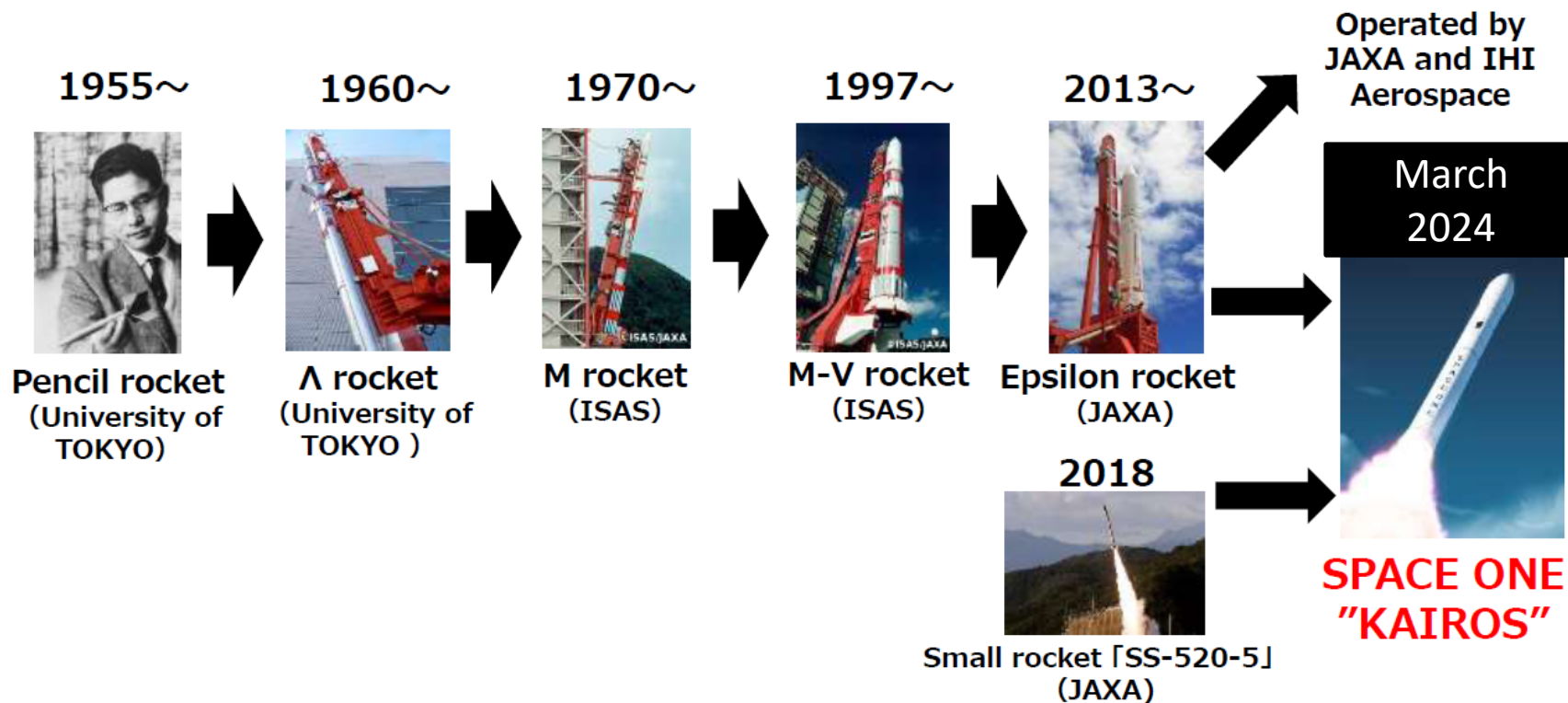
We keep the configuration and operation simple, ensuring competitive prices.



SPACE ONE

SPACE ONE Inherits Japanese Solid Rocket Technology

Built on the technology developed by our partner IHI, SPACE ONE has a significant advantage with proven reliability and performance.





SPACE ONE

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SPACE ONE

KAIROS at a GLANCE

With in
12 MONTHS

150kg for SSO
250kg for LEO
Payload Capability

4 DAYS





Emerging Operational Realities : 4 Days to Launch

	L-4	L-3	L-2	L-1	L-0
Event			Launch day weather forecast	Launch day weather forecast FRR(Flight Readiness Review)	Launch day weather forecast
Satellite (Customer)	Check out and receive satellite			Launch date final confirmation	Lift off
Customer & S1		Joint operation			
S1	Assemble 1st and 2nd stages	Assemble 2nd and 3rd stages	Assemble all stages		



On Demand Service

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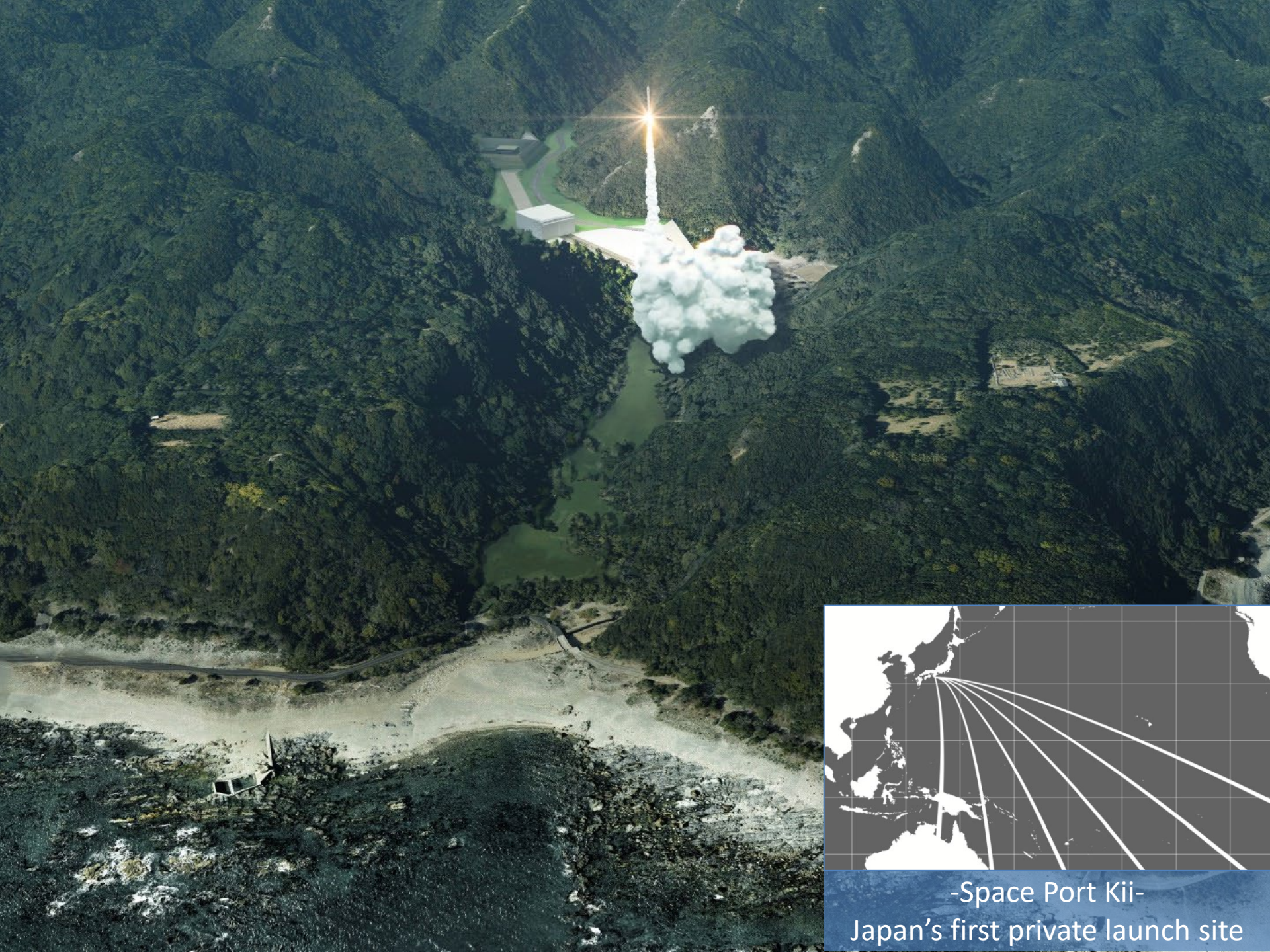


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KAIROS at a GLANCE

With in 12 MONTHS	150kg for SSO 250kg for LEO Payload Capability
4 DAYS	ANY ORBIT





-Space Port Kii-
Japan's first private launch site

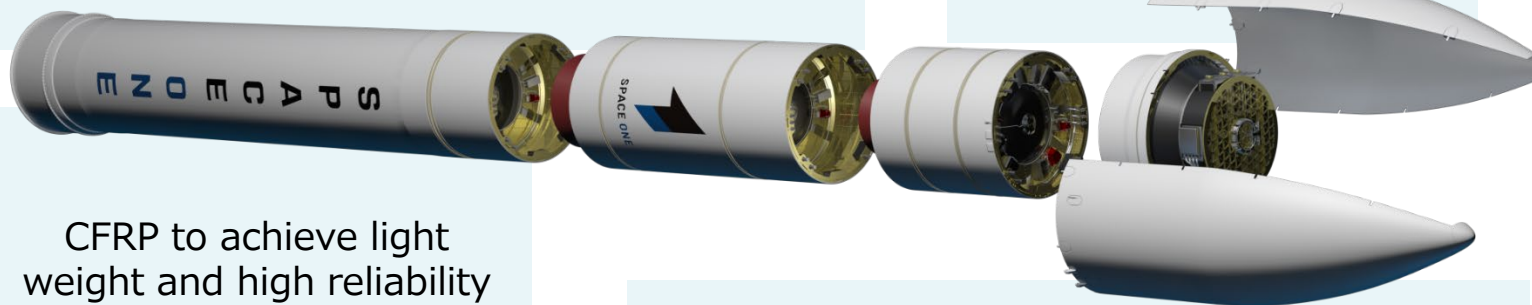


Synergy of Expertise: Making Space Accessible to All

Basic configuration	Solid fuel three-stage and liquid propellant upper stage (PBS)
Height	18 meters
Total weight	23 metric-tons
Diameter	1.35 meters (fairing diameter 1.5 meters)

Proven solid rocket technology combined with electronic component manufacturing techniques

Wide operational envelope for the satellite fairing



CFRP to achieve light weight and high reliability of motor case

Quality and cost reduction achieved by utilizing automotive components for the avionics



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KAIROS at a GLANCE

With in 12 MONTHS	150kg for SSO 250kg for LEO Payload Capability
4 DAYS	ANY ORBIT
20 PER YEAR Target launch by 2030	ENHANCED VEHICLE in development



At SPACE ONE, we value Challenge, Speed and Experience

A photograph of a rocket launch. The rocket is ascending vertically, leaving a large, billowing plume of white smoke and fire behind it. The sky is a clear, deep blue. The rocket's engines are visible at the base, with bright orange and yellow flames. The overall scene is dynamic and energetic, symbolizing challenge, speed, and experience.

Success is not final, failure is not fatal: it is the courage to continue that counts.

Winston Churchill

He who is not courageous enough to take risks will accomplish nothing in life.

Muhammad Ali

Only those who dare to fail greatly can ever achieve greatly.

Robert Francis Kennedy Jr.

Failure is the price we pay for taking risks. It's important to understand that it's a necessary part of the process to achieve success.

Elon Musk



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