

Development of mass-produced hybrid rocket system (MJOLNIR SPACEWORKS Inc.)



City	Year of Establishment	Founder	Website
Sapporo Hokkaido	2020	Tor VISCOR	https://mjolnir-sw.com/en/

Partner VC	Latest round of Fundraising	Valuation
REAL TECH FUND	SEED	JPY 580 million

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○ Business Plan

We aim to mass produce hybrid engines in order to provide rocket engines, which are the main component that determines rocket performance, to more rocket development organizations and companies. This project aims to improve the performance of this mass-produced hybrid engine to a practical level and then demonstrate its performance through launch demonstrations.

○ Research Outline

In this research and development, we aim to solve the problem by developing a rocket system using a hybrid rocket engine that is safe and easy to mass produce. We will also develop an observation rocket for demonstration launches using a hybrid rocket engine. In addition, the performance of the engine and rocket system will be demonstrated by conducting a launch demonstration test.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Aerospace	STS 2023~2024FY	JPY 168 million	—

As of March,2024