

Establishment of mass production technology for a propulsion system using water as a propellant for artificial satellites. (Pale Blue Inc)



| City | Year of Establishment | Founder |
|--------------------------------|-----------------------|---|
| Kashiwa City, Chiba Prefecture | 2020 | Jun Asakawa Kazuya Yaginuma Yuichi Nakagawa |

| Partner VC | Latest round of Fundraising | Valuation |
|---------------|-----------------------------|----------------|
| Incubate Fund | Series B First Close | Non-Disclosure |

Contact Information :
tel: 04-7114-3036
e-mail: contact@pale-blue.co.jp

Website : <https://pale-blue.co.jp>

○ Business Plan
In the space industry, satellite constellations that coordinate and collaborate multiple small satellites are becoming mainstream. In this project, we aim to develop and demonstrate mass production technology for propulsion systems using water as a propellant. The goal is to establish a system for the mass production of propulsion systems, meeting the demands of satellite constellation operators for cost-effectiveness, short delivery times, and stable quality.

○ Research Outline
In this project, our goal is to establish a mass production system that is cost-effective, has a short delivery time, and maintains stable quality. We are focusing on the following developments:

- ①Reduction of the number of components
- ②Shortening the lead time from order placement to shipment
- ③Establishment of testing methods and procedures suitable for mass production
- ④Stabilization of product quality for mass-produced prototypes

| Business Area/Field | Research Period | Research Grant Amount | International collaborative technology demonstration |
|---------------------|--------------------|-----------------------|--|
| Aerospace | DMP 2023～2024FY | JPY 499 million | — |