

Innovative Airvehicle System

Development & Enterprise Plan

February 2018

Yasumasa MUTOH

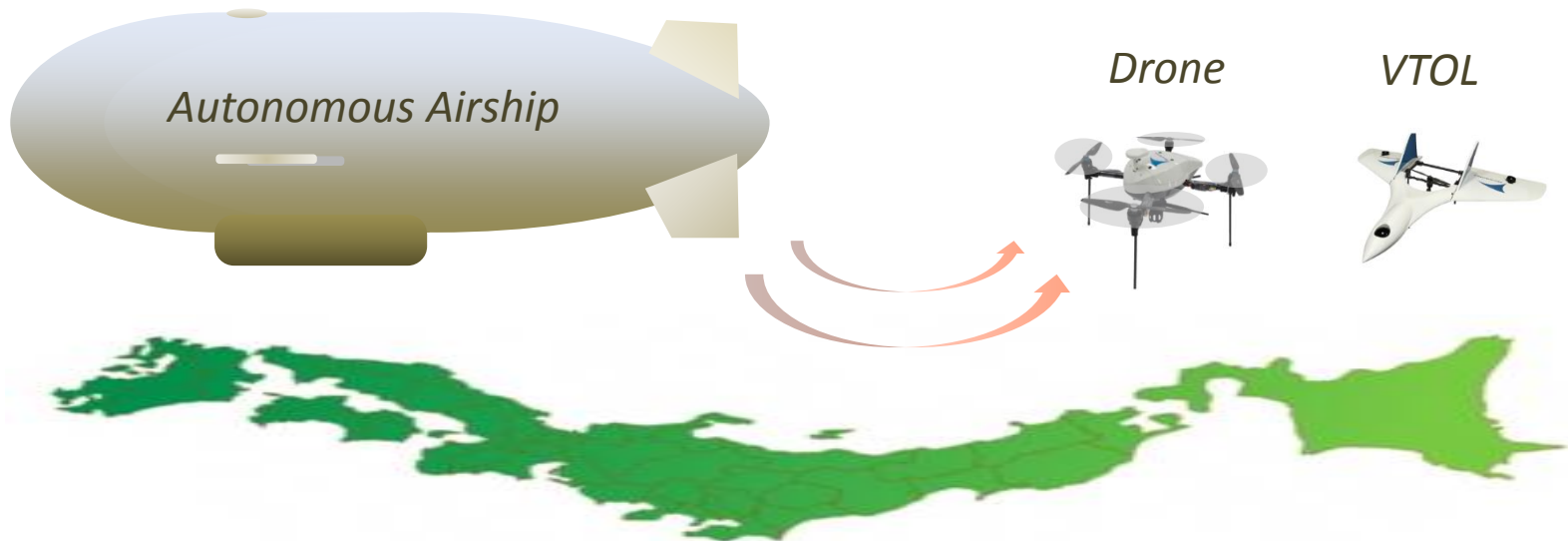
Airvehicle Space Association, Japan

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1. Overview

The Airvehicle Space Association, as an R&D support entity, aims to promote unmanned aerial vehicle usage in society and the development of the industry through supporting research and development, technology, human resource development, and promotional activities in Japan.

Through the vision on 'Innovative Autonomous Unmanned Flight Robot R&D', logistics, observation and airship systems and by utilising GNSS technologies to the fullest, we strive to create new industries and to acquire market share.



2. Organisation Scheme (Plan)

**Japan National Strategic
Specific District**
Authorized Promoter



General Assembly

Board

Secretariat

Committees

Development & Demonstration

- R&D Support
- Technology Support

Coordination for business

Promotional Activities

- Abroad / Broadcast / VR / AR

Industry-government-academia Alliance

Human Resource Development

- Operator Training
- Organizer Education
- Trainer Education
- Disaster Manager Education

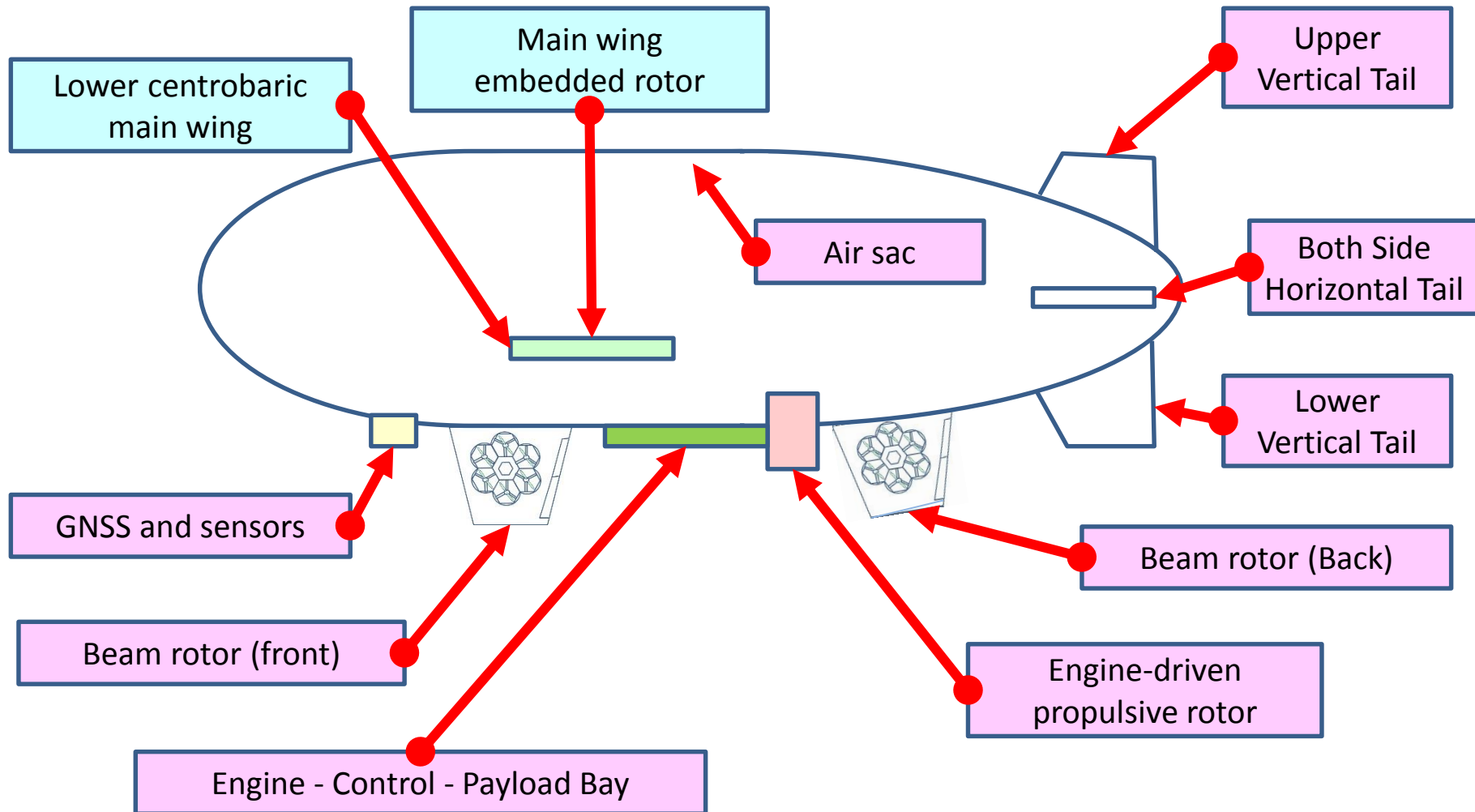
Event Support

UAV Pilot License

Finance

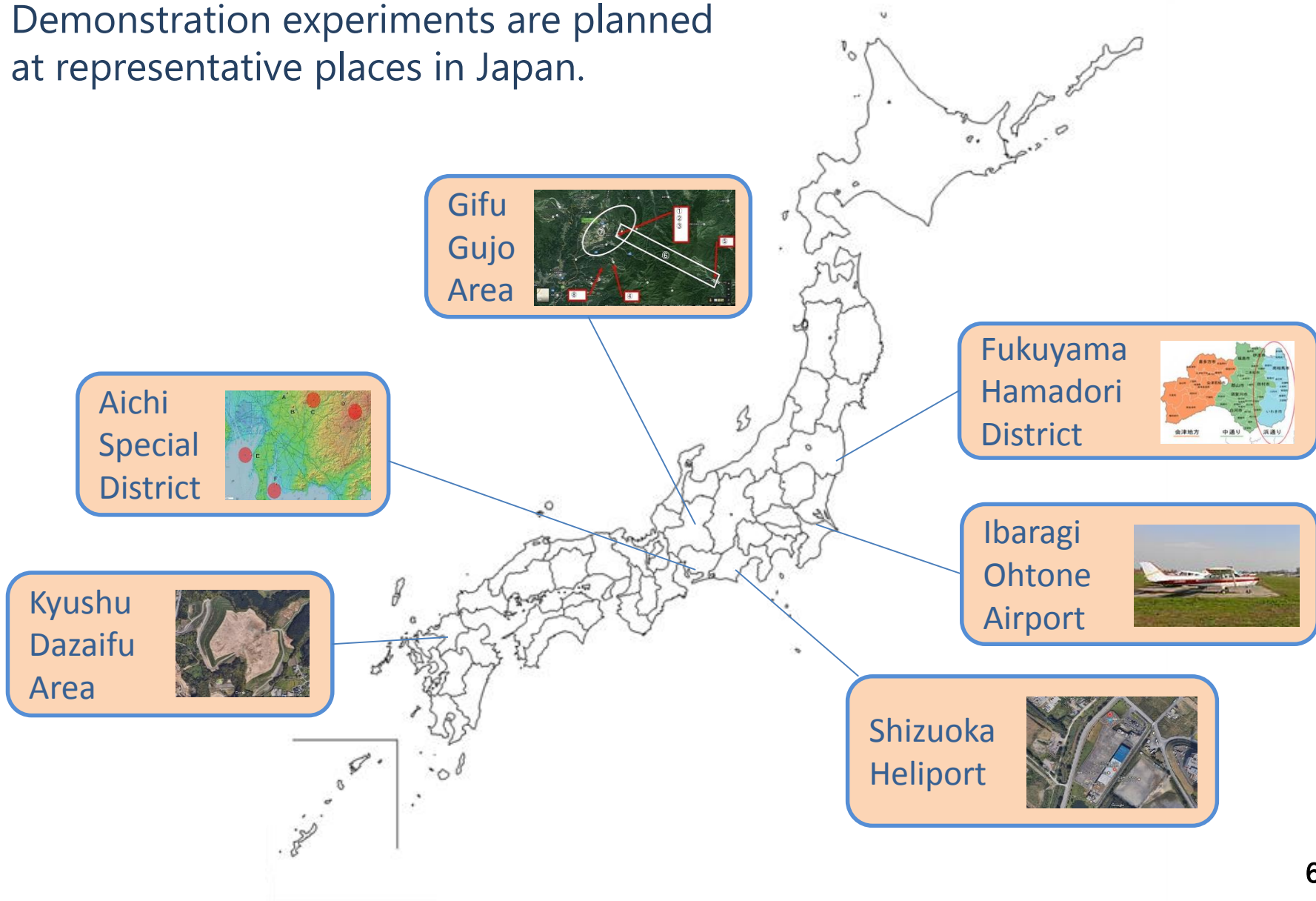
3. Airship Concept

An Example



4. Experimental Fields

Demonstration experiments are planned at representative places in Japan.



5. Schedule Plan

JPY*	2018	2019	2020	2021	2022	2023
Integration & Demonstration	Coordination, Plan, Design & Prototyping				Production & Sales	
Communication & Power Source	Plan, Design & Manufacture				Production & Sales	
GPS & Sensor	Plan, Design & Manufacture			Production & Sales		
Controller AI & BI	Plan, Design & Manufacture				Production & Sales	
Airship Body & Sac	Plan, Design & Manufacture				Production & Sales	
Service			Operation & Surveillance			
Education		Engineers & Servicers				
Order Entry (M\$)	0	0	14	30	70	150

[NOTE] JPY : Japanese Fiscal Year (from April to Next Year March)

6. Organisation Profile

Organisation Name	Airvehicle Space Association
Organisation Type	General incorporated association
Certification	National Strategic Specific District Authorized Operator
President	Yasumasa MUTOH
Nationality	Japan
Address	3465 Ayutate, Takasucho, Gujo, Gifu
Postcode	501-5304
Specialty	Airvehicle Enterprise Incubation Autonomous Airvehicle Technology Connected Control Technology
Enterprises	Airvehicle Enterprise Planning Research and Development Promotional Activity Human Resource Development UAV Pilot School Management Contribution to local communities

Acronyms

AI	Artificial Intelligence
AR	Augmented Reality
BI	Brain Information
JFY	Japanese Fiscal Year (from April to Next Year March)
UAV	Unmanned Aerial Vehicle
VR	Virtual Reality
VTOL	Vertical Takeoff Landing aircraft