Harsh Environment Drone

Challenge

MARS ZERO+UoA

Japan / Fukushima





Key Development Points

We combine fixed-wing, VTOL, and multicopter. In Mission 3, a multicopter is air-deployed from a VTOL to survey disaster sites without touching down.



We have formed a team to bring together Fukushima Prefecture's technologies and foster industry-academia collaboration with the University of Aizu. We have established a system that combines local technologies from Minamisoma with insights from expertise in image processing (including SLAM) from the University of Aizu.



Introduction We will advance the standardization of disaster response drones and establish a locally rooted operational framework. Our focus is on strengthening Minamisoma's industrial foundation.



Role	Name	Affiliation/Position	Areas of expertise, research fields
Team Leader	Masata Kaneda	Minamisoma Robotics industry Council	Company Management

Contact Information B, MIC 45-245 Sukakeba Kaibama, Haramachi-ku, Minamisoma-shi, Fukushima 975-0036 Japan +81 0244-25-3310