

Focal Field 3



Transforming the Movement of People and Freight

Create a society where people and freight move safely, quickly, and efficiently using new forms of mobility

Kawasaki's Solutions to Social Issues

- We will provide new solutions based on Kawasaki's wealth of technologies necessary to the transportation chain, including those related to airplanes, helicopters, ships, rolling stocks, and motorcycles. These solutions will address the changing manner of mobility, including growth in e-commerce, sharing services, and demand for personal mobility.
- Addressing the increasingly severe issues related to labor shortages and worsening working conditions caused by growing logistics volumes, we will offer new systems that combine transportation equipment with robotics and remote technologies.
- We will offer solutions leveraging new transportation systems that combine land and air transport to address such issues as time lost in transport due to higher traffic congestion because of economic development and disruptions caused by increasingly serious natural disasters.

Working toward the social implementation of near-future mobility

We have been building strategic partnerships in logistics since fiscal 2022 with the aim of achieving social implementation in regional cities, commercial facilities, hospitals, etc.

In addition, we will also encourage deregulation and institutional development with regard to remote and autonomous mobility.



Super city using near-future mobility

Commercialization of New Modes of Mobility

Related business
 ● Aerospace Systems ● Powersports & Engine

Our activities for social implementation of the K-RACER unmanned VTOL* Aircraft

In order to address the labor shortage in the logistics industry, we are developing the K-RACER unmanned VTOL Aircraft that combines our helicopter technology with the compact, high-power engines that our motorcycles have. Its characteristics are the ability to take off and land vertically without a runway and a payload capacity that a drone cannot achieve. In 2023, we developed the K-RACER-X2, an evolution of the K-RACER-X1, with a payload capacity of 200 kg, and successfully demonstrated that payload capacity in test flights. In 2024, demonstration tests for beyond-visual-line-of-sight (BVLOS) flights are planned, as we steadily advance toward social implementation,

including utilization during disasters.

We received a contract from Ina City, Nagano Prefecture for an Unmanned VTOL Cargo Transport Platform Development Project. Under this project, we will coordinate with stakeholders and perform permitting and licensing procedures pursuant to laws and regulations in order to achieve delivery of materials to mountain lodges, which are facing a shortage of pilots, weather conditions unique to mountainous regions, and other issues.



K-RACER unmanned VTOL aircraft

* Vertical Take-Off and Landing aircraft

Automation of Delivery Work

Related business
 ● Precision Machinery & Robot

In-hospital delivery service using indoor delivery robots officially begins

Working in collaboration with Fujita Health University and SEQSENSE Inc., we started a trial of a delivery service using the FORRO indoor delivery robot on July 10, 2023, in an effort to reduce the burdens on medical workers. The effectiveness of the deployment has since been confirmed, and in April 2024, we officially signed contracts with and deployed the service at Fujita Health University Hospital (Toyoake, Aichi Prefecture) and Fujita Medical Innovation Center Tokyo (Ota-ku, Tokyo). In addition, both short- and long-term demonstrations have been conducted at several other hospitals, and more than 10,000 delivery services have been provided without any personal or property damage

incidents as of the end of July 2024.

We will realize a system in which humans and robots can work together, and develop an environment for the provision of even higher-quality healthcare by having people focus on the healthcare services that only people can provide.



FORRO indoor delivery robot

Helicopter Booking Service Makes Flexible Air Travel a Reality

Related business
 ● Aerospace Systems

Provision of Z-Leg™

As the mobility as a service (MaaS) industry grows rapidly, we have begun offering Z-Leg™, a new business that takes advantage of our experience and reputation for reliability in manufacturing helicopters, and an innovative solution for travelers in need of one-stop helicopter booking.

Efforts are underway to develop takeoff and landing sites throughout Japan, open new routes, and collaborate with municipalities, travel agencies, railway companies, department stores, and others. Coverage and features in the business media, lifestyle magazines, and local newspapers have been increasing, drawing growing interest as a new option for air travel.

Helicopters, pilots, heliports, taxis, and more can all be arranged online, offering a one-stop solution for seamless and efficient travel across Japan. This dream mobility service not only shortens travel times, but also allows passengers to enjoy Japan's stunning landscapes from a helicopter's unique altitude, providing a luxurious air travel experience. To ensure safety, the service utilizes commercial twin-engine helicopters in collaboration with highly reliable operators.



Z-Leg™ one-stop service for air travel arrangements