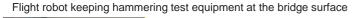
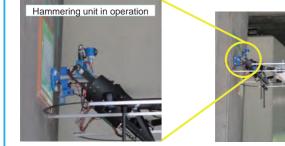


- · Realized fully autonomous flight control under a GPS-denied environment with localization, utilizing Total station and LRF
- · Achieved stable hammering where a human inspector can differentiate between clear and non-clear hammering sounds
- · Conducted wind tunnel testing at a JAXA facility to verify its flight stability under normal winds of 8 m/s.
- · Developed easily deployable safety net system

\*LRF : Laser Range Finder









Prototype of safety net system



wind (avg.) environment

<Handy inspection unit>

· Easy inspection under 6 m high area

Operation at 30 m height (max.) and 8 m/s

Detect flackings in the concrete

· Continuous operation for 2 hours

<Flying robot with inspection unit>

## Flying robot under development



- · Lease the system to inspection companies
- Provide inspection portal service in cloud platform
- Evaluate the system in various environments, such as SIP application project at Gifu Univ., to improve its performance
- Apply its technology to different types of inspection

