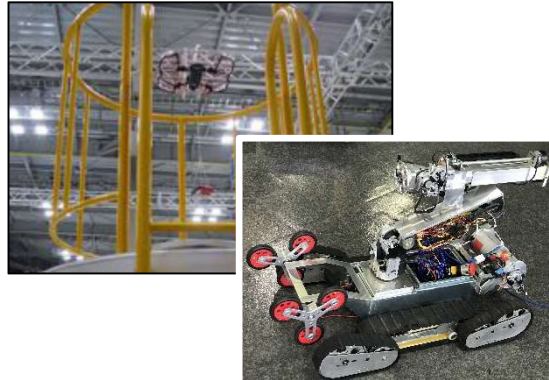
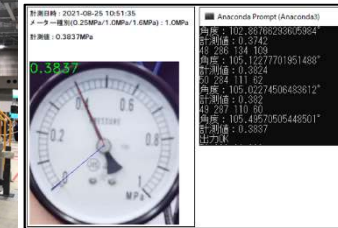
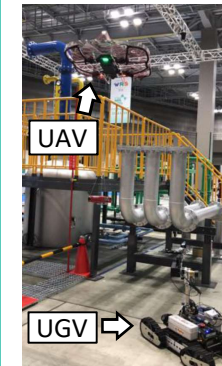


AiSaFu (Aichi, Japan)

Development point



- By operating UAV and UGV in cooperation, low-cost and quick inspection that is conscious of commercialization is realized.
- By using a UGV with a small footprint and a small UAV, it is possible to inspect narrow areas and high places.
- Image analysis is automatically quantified using the ROS package and OpenCV, and automatically saved as an inspection report.



Gauge numerical image analysis

Introduction of your team

【Inspiration, motivation to form a team】

Aichi Institute of Technology, Sanritsu Automation Co., Ltd., and Fukaden Corporation have been established as a three-party joint team to participate in WRS2018. We aimed to establish an automatic inspection and a remote control system in the event of a disaster through collaboration that leverages the strengths of each groups.

【Future outlook】

By feeding back the knowledge gained from this tournament, we will make the system highly robust, and aim for commercial packaging by integrating the entire system and making it one package.

Role	Name	Affiliation/Title	Specialty, Field of study
Team leader	Tomohiko Koganeya	Fukaden corp. / Engineering Dept Manager	Control software design, Mechanical design
UGV software design	Shinya Tanaka	Fukaden corp.	Control software design, Network design
UAV operator	Kou kawai	Fukaden corp.	UAV development
Electronic hardware design	Makoto Hirabayashi	Fukaden corp.	Control board design
Image processing design	Yuuta Enomoto	Fukaden corp.	Image processing software design
UGV operator	Mitsuhashi Tomonori	Aichi Institute of Technology	UGV development
UGV development	Matsushita Norichika	Aichi Institute of Technology	UGV development
UGV development	Kaneshima Tomoki	Aichi Institute of Technology	UGV development



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