



Rock Garage

# Company Overview

Rock Garage Co., Ltd.

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Name : Rock Garage Co., Ltd.

Location : Koga-shi, Ibaraki, Japan

Established : April 16, 2018

CEO : Daisuke Iwakura

Activities : Drone and Robot System R&D

Additional : Chiba Univ. Related Venture

(<https://imo.chiba-u.jp/venture/relation/index.html>)



CEO  
**Daisuke Iwakura Ph.D. in Engineering**

Career

- Graduate School of Engineering, Chiba University
- Director, ACSL (IPO in December 2018)
- Board Member,  
the Mini Surveyor Consortium (now JDC)
- Special Associate Professor, Chiba University

# | Business Activities



Original service,  
3rd-EYE



Technical advice  
New robot development  
Custom drones



Technical advice  
Technological development



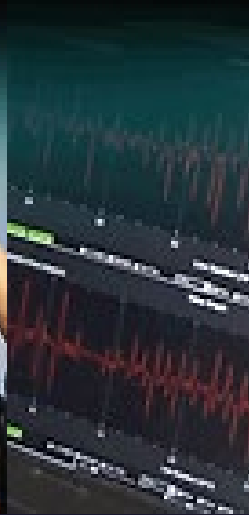
Drones / Robots



Mechanical Design  
Circuit Design  
Embedded System



Control



os

Smartglasses  
System



Tools



OptiTrack



VERONTE



AUTODESK



Microsoft  
HoloLens

VICON



ROS



python



mapbox



MATLAB  
SIMULINK

pixhawk





## 3rd-EYE

Sharing real-time location and visual data acquired through drones, smart glasses, and the like with a tablet



## 1. Drone Hardware: Design and Prototyping



Hardware integration for R&D  
(Design, Prototyping)



Hardware integration for R&D  
(without GPS)

## 2. Drone Hardware: Control System Development, Flight Adjustments, etc.



重量物搭載調整  
(機体製作・重量物搭載・飛行調整)



研究開発素地機体  
(追尾制御システム開発)

## 3. Drone Hardware: small scale drone development and customizing control system



Palm-sized

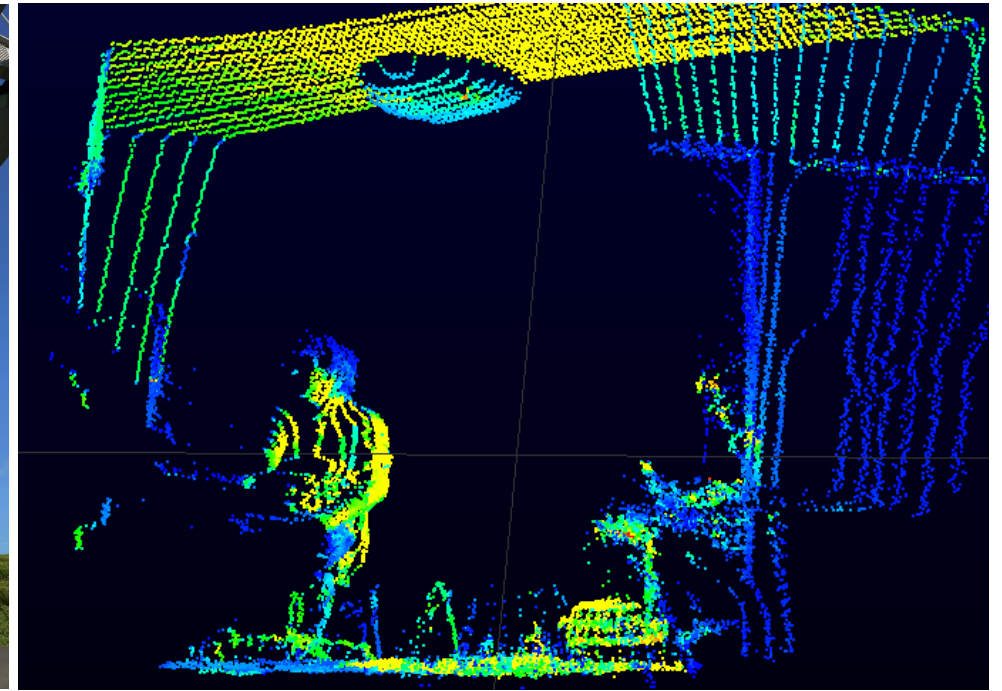
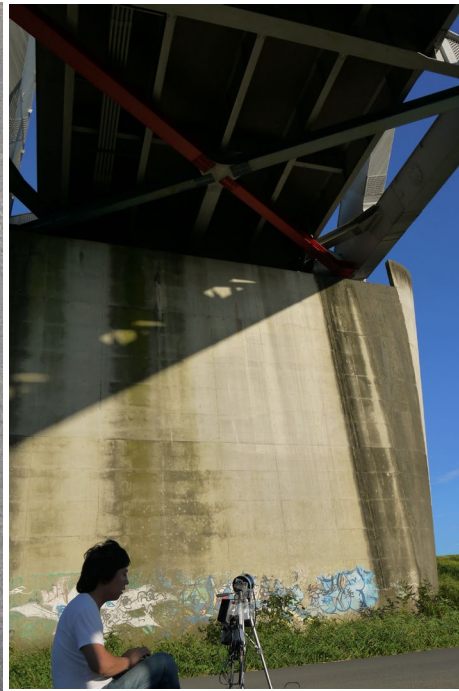


Customizing

## 4. Drone Hardware: Large airframe, GPS denied environment



Bridge Inspection  
(with DSLR, Lidar)



Control: Lidar SLAM

## 5. Software: Software Development for XR, System Development for Smartglasses, and System Development for Drone Flight Planning



MR system

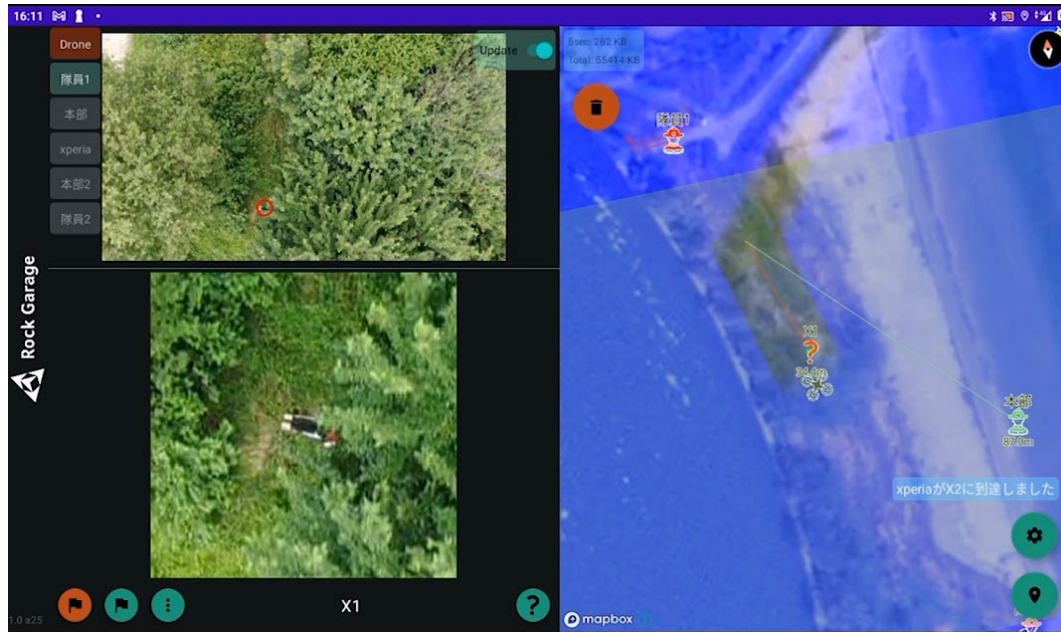


Smart Glasses System



Drone Flight Planning Software

## 6. AI Analysis Software Development



Development of AI-Based  
Human Detection System



Development of AI-Powered  
Sample Analysis Software for  
Construction Site Operations

## 7.Other Robots



Hovercraft



Drone motor Testbench

## 8. Big Drone and Flying Car Project



Flight Control Development



Startup Support

## Clients

NEC, Toshiba, Secom, Toyota, Panasonic, Kajima Corp., SkyDrive, A.L.I. Technologies, Prodorone, Blue Innovation, Sensyn Robotics, Ailelinx etc.

# | Awards

NVIDIA Inception Program

NEDO program (Ministry of Economy, Trade and Industry)

Award of National Research Institute of Fire and Disaster

Wide-Eco system accelerator program

Ibaraki Innovation Award

Fukushima Tech Create Program

Ibaraki DX Innovation Project

Go-Tech Project (Ministry of Economy, Trade and Industry)



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