

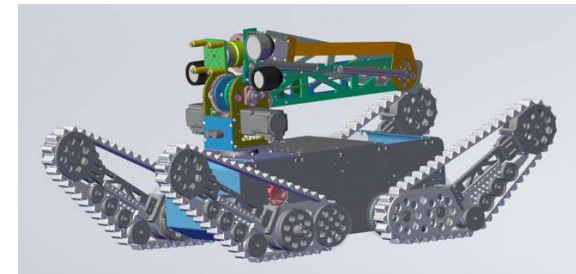
MISORA (Minamisoma-shi Fukushima-ken Japan)



Selling point

- ① This robot's center of gravity is kept low for stable driving in rough terrain. It is also able to turn in narrow places.
- ② Depending on the size of the obstacle, there are two driving modes called CAT-WALK and GIRAFFE-WALK in addition to the normal driving mode, in which the main body rises so that the underside of the robot does not hit the ground.
- ③ We have developed an intuitive controller that is linked to perform the same operations as the main unit so that anyone can easily operate it.

MISORA Design Illustration



Introduction of your team

【Inspiration/Motive to Form a Team】

In order to enter the robotics business, we planned to gather wisdom at the Minamisoma City Robot Industry Council to promote robot development. At the same time, it was announced that the WRS2020 Fukushima Tournament would be held, so the development of MISORA began with the goal of participating in this tournament. The team consists of a development company and students from the robotics research department of a local school.

【Future Outlook】

After the WRS2020 event, we would like to actively promote the use of MISORA and explore business opportunities beyond that of disaster robots by looking at other fields such as in agriculture, forestry, and fisheries.

Role	Name	Affiliation/Job Title	Specialty, Field of Study
Team leader	Shinichi Igarashi	YUBITOMA representative	Mechanical design and development
Operation software development	Junichi Yamazaki	TakeruSoftware representative	Software development
Hand unit development	Toshiyuki Takahashi	Kikuchiseisakusho Co., Ltd. Design manager	Design development using 3D
Arm design , Assembly	Syota Hasegawa	Takawaseimitsu Co., Ltd. Designer	Mechanical design , Prototype development
Supervise student operators	Ryota Sakai	Teacher of ODAKA Industrial Technology and Commerce High School	Robot Research Department Advisor
Operator of MISORA	Kohei Sakai	Student of the High School	Robot Research Department affiliation
Operator of MISORA	Masato Ara	Student of the High School	Robot Research Department affiliation
Team support	Shinji Takano	Yume Support Minamisoma Co., Ltd.	Team MISORA Secretariat
Team support	Tamotsu Shiga	Yume Support Minamisoma Co., Ltd	Team MISORA Secretariat

Team photo



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