

IMPORTANCE OF THE SURVEY MARKER

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SUMMARY

RIPRO Corporation, Japan has manufactured recycled plastic survey markers for 51 years. RIPRO has been recognized as the Guinness World Records® holder for the most manufactured plastic survey markers in the world for 2021.

Survey markers have a long history with many types of survey markers used. Start to consider type a survey marker standard in light of the current world situation. Evaluate importance of survey marker .

On evolving survey markers with new technology for survey field.
And think ECO with using recycled plastic survey markers with SDGs activities.

1-1 Example of World Survey markers ~Japanese national Survey Marker History for national border~

During the samurai era in the Edo period, the current Sakhalin /Chishima Islands were developed and boundary markers were installed. Subsequently, boundary markers with the coat of arms of Japan and the Russian Empire were installed based on the confirmed boundary line in the Russo-Japanese War. After World War II, Russia violated the Japan-Soviet ceasefire agreement and occupied islands near by Hokkaido, Chishima Island. Actions of 25,000 Japanese remnant soldiers who fought against the Russian advance towards the mainland of Hokkaido, the advance was stopped and prevented. Here is an introduction to the pre-war boundary markers between Japan and Russia in the Chishima Islands.

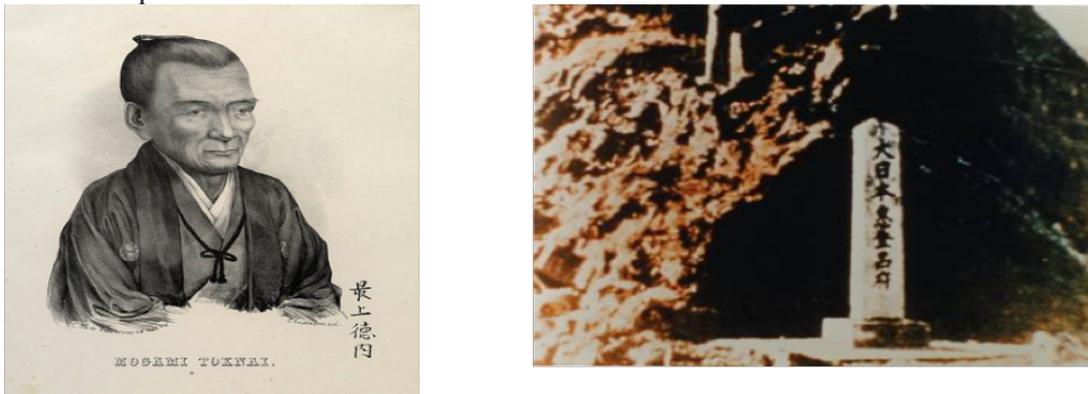


Figure 2: Tokunai Mogami and First Japanese border Marker 1798 in Sakhalin/Chishima Island(Northern Territories Issue Association)



Figure 3: Demarcating the Russo-Japanese Border in Sakhalin/Karafuto, 1906(Meiji Memorial Picture Gallery)

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Figure 4: Demarcating the Russo-Japanese Border in Sakhalin/Karafuto (Photo RIPRO Survey Marker Museum)

2. THE FUTURE SURVEY MARKERS ~Future Information survey markers connect physical space and virtual space with location ID network ~

Survey markers are evolving towards the future!.

Future Markers equipped with sensors, GPS, and RFID are being used to monitor disaster, landslide and manage land information.

And efforts to manufacture boundary markers using 100% recycled plastic waste are also progressing.

By evolving for the future, boundary markers are expected to enable more accurate surveying and management, as well as contribute to the environment and SDGs activities.



Figure5: RFID Information stake marker at Great East Japan Earthquake (RIPRO Corporation, Japan 2011)

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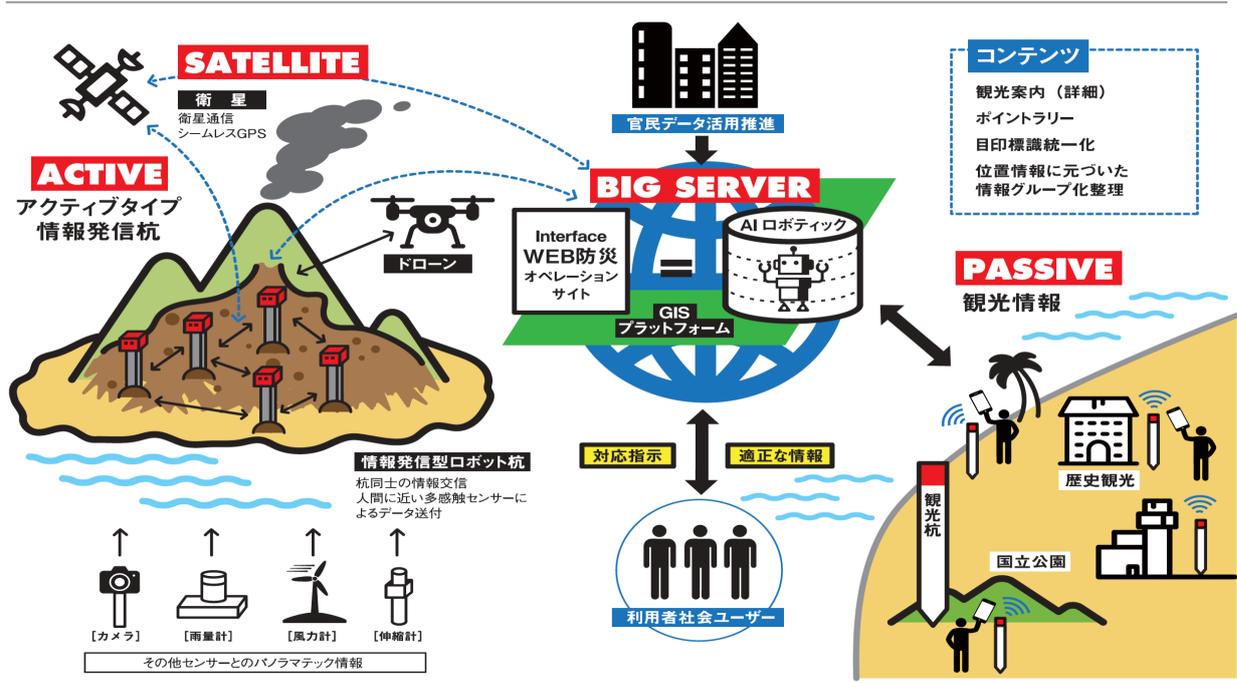


Figure6: Image of Future Markers Network (RIPRO Corporation, Japan 2018)

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3. IMPORTANCE OF SURVEY MARKERS~ Protecting World and Peace~

Survey Marker contributing for protect and recovering the world.

The world should be notice that boundary markers protect people's lives and land, and are also contribute for recovery from recently disasters and wars. For a peaceful future, we should start to consider the importance of boundary markers worldwide and the establishment of neutral survey markers standard specifications.

PROTECT

Survey Markers protect our lives by marking our boundaries, monitoring earthquake, recovering disaster, landslide, etc.



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BIOGRAPHICAL NOTES

Kengo OKADA CEO of RIPRO Corporation, Japan, FIG Corporate member, Support FIG Young Surveyor Network, RIPRO Received Prize of Guinness World Records® 2022 “Largest plastic survey marker company-retail RSP, current “ <https://guinnessworldrecords.com/world-records/638570-largest-plastic-survey-marker-company-retail-rsp-current>
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