

Axelspace Announces the Agreement with Tokio Marine Holdings and Others on the Joint Research about the Prediction of Red Tide Outbreak Using Satellite Imagery

TOKYO, April 3, 2020 – Axelspace Corporation today announces the agreement with Tokio Marine Holdings Inc., Hiroshima University and Hydro Technology Institute Co.,Ltd., on the joint research about the prediction of red tide outbreak, which could potentially cause damage to marine resources, using satellite imagery including [AxelGlobe](#) data.

The research group will jointly promote research and development about the prediction of red tide outbreak using various environmental data obtained from satellites by introducing cutting-edge AI technology and an environmental simulator.

We continue efforts to complete AxelGlobe platform sooner, and to utilize satellite data for a wide range of industries toward the achievement of Sustainable Development Goals (SDGs), through collaborations with various players in the society.

About Research Partners

Tokio Marine Holdings, Inc.

Established in the year 1879 in Japan, Tokio Marine Holdings, Inc. is the insurance holding company for Tokio Marine Group, which undertakes Domestic Non-Life insurance, Domestic Life insurance, International business, and Financial and General businesses. With a presence in approximately 40 countries, Tokio Marine Group ranks as one of the world's most globally diversified and financially secured insurance group. As Japan's largest insurance group, Tokio Marine Group is listed on the Tokyo Stock Exchange with over JPY 20.8 trillion (\$173 billion) in total assets, JPY 4.3 trillion (\$36 billion) of total revenues (as of March 2015) and approximately 40,000 employees. Tokio Marine's major subsidiaries have financial strength ratings of "AA- (Very Strong)" from Standard & Poor's Financial Services LLC and "A++ (Superior)" from A.M. Best Company, Inc.

Yuji Sakuno, an Associate Professor at Hiroshima University Graduate School of Advanced Science and Engineering

Professor Sakuno has developed a water quality monitoring technique of oceans and lakes using Earth observation satellites, aircraft, balloons, drones, etc. In recent years, he has been working on a wide range of remote sensing research, including seagrass beds, coral reef maps, and technology for exploration of plastic waste.



Hydro Technology Institute Co.,Ltd.

Hydro Technology Institute Co.,Ltd. is the professional technology consultancy of Numerical Analysis and Information System in fields from society infrastructure, disaster prevention, environment protection, to science support. Working closely with professors and researchers from universities domestic and abroad, they take into practice the latest research developments and achievements.

About Axelspace Corporation

Head office location	Clip Nihonbashi Building 2-3F, 3-3-3 Nihonbashi-Honcho, Chuo-ku, Tokyo, Japan
President & CEO	Yuya Nakamura
Establishment	August 8, 2008
Capital stock	4,537 Million JPY (including capital reserve)
Main business content	Solutions based on microsatellite technology, design and production of microsatellites and related components, launch arrangements and operational support, business related to microsatellite data
URL	https://www.axelspace.com/en/

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