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Dynamic Map Platform Axyz Co., Ltd.

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Dynamic Map Platform's Snow Removal Support System Sees Expanding Adoption: Shipment Volume Grows Approximately Ninefold Over Two Years, Primarily in Hokkaido and Tohoku

～Advancing Digital Transformation in Snow Removal Sites Facing a Severe Labor Shortage～

Dynamic Map Platform Co., Ltd. (Head Office: Shibuya-ku, Tokyo; CEO & President: Shuichi Yoshimura; "Dynamic Map Platform") announces that shipment volume of the Snow Removal Support System "SRSS," provided by its group company Dynamic Map Platform Axyz Co., Ltd. (Head Office: Shibuya-ku, Tokyo; President: Hiromichi Amagai), increased approximately ninefold in FY2025 compared to FY2023.

Snow removal operations using SRSS

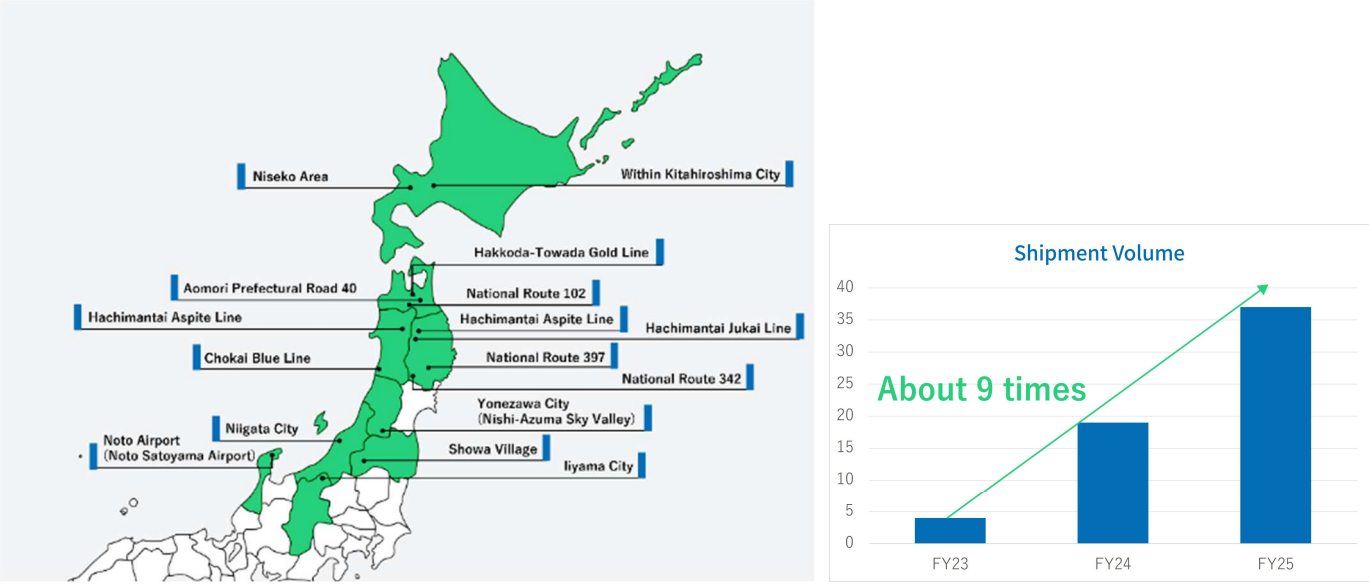
SRSS is a system that combines Dynamic Map Platform's High-Precision 3D Map Data—which is also utilized in the autonomous driving sector—with location information to visualize roadside features, manholes, and structures beneath snow-covered roads on a tablet device, thereby supporting decision-making and operations during snow removal work.

In recent years, snow removal operations have faced serious challenges, including labor shortages and an aging workforce. As a result, local governments are under urgent pressure to establish safe and efficient snow removal frameworks that do not rely solely on experience and intuition.

In response to these challenges, adoption of SRSS has accelerated. In FY2025, in addition to previously announced deployments in Yonezawa City (Yamagata Prefecture) and Noto Airport (Ishikawa Prefecture), SRSS was newly introduced in:

- Kutchan Town, Hokkaido (Niseko area)
- Two routes in Aomori Prefecture (Prefectural Route 40 and National Route 102)
- Three routes in Iwate Prefecture (Hachimantai Jukai Line, National Routes 342 and 397)
- Chokai Blue Line in Akita Prefecture

This has brought the total number of operational sites to 15, with deployment expanding mainly across Hokkaido and the Tohoku region, particularly in areas requiring high levels of safety and reliability, such as heavy snowfall regions, tourist routes, and airports. For more detailed information on operational locations, please refer to the map below.



(Left) SRSS Deployment Map (Right) SRSS Shipment Volume Chart

In addition, feedback from stakeholders in regions where SRSS has been implemented is provided below, highlighting improvements in safety and consistent work quality, as well as positive changes in workforce development and the work environment.

1. “Snow removal operations on mountain routes such as the Hachimantai Aspite Line have traditionally relied heavily on experience and intuition, making labor shortages and ensuring safety major challenges. With the introduction of SRSS, we can now work while understanding the road geometry and hazardous areas beneath the snow, and we are seeing tangible improvements in safety and efficiency on-site.” (Contact Person, Iwate Civil Engineering Center, Civil Engineering Department, Morioka Regional Development Bureau, Iwate Prefecture)
2. “A wide range of operators, from young to veteran, are using it, and it is also helping with progress management. We recognize that it is becoming established on-site as one of the indispensable systems for carrying out snow removal operations.” (Contact Person, Road Division, Aomori Prefecture)

3. “We’re also seeing changes in how we train young operators. Previously, training relied mainly on explanations based on the memories of experienced operators, but now we can use precise location data from the system to provide concrete guidance on hazardous areas and points of caution.” (President and CEO, Takafuku-gumi Co., Ltd.)

These insights further reinforce the value of SRSS as a product aligned with the government’s direction for public procurement of startups. Through flexible services leveraging DX technology, it contributes to solving regional challenges, disaster prevention, and national resilience. Going forward, in addition to increasing the number of units shipped in regions where it has already been introduced, we will expand into other snowy regions, as well as airports and major highways, aiming to further popularize snow removal DX through SRSS.

Dynamic Map Platform remains committed to contributing to the development of sustainable social infrastructure in heavy snowfall regions through the continued provision of SRSS.

<About the snow removal support system “SRSS”>

“SRSS” Product Image

SRSS is a service customized by Axyz for snow removal operations and combines Dynamic Map Platform’s HD Maps (High-Precision 3D Map Data), also used for autonomous driving, with “RTK positioning*1” utilizing “CLAS*2,” which can estimate one’s location with high accuracy. It supports safe and smooth snow removal operations by making shoulders, manholes, and other structures hidden under the snow “visible” on a tablet while understanding the vehicle’s position through high-precision location information from a GNSS receiver.

- Service Details: https://www.dynamic-maps.co.jp/srss/

*1 RTK positioning: A positioning method that makes use of the GNSS (Global Navigation Satellite System). It is possible to request location information with high precision at a level of centimeters.
*2 CLAS: Supplementary information distributed from quasi-zenith satellites (Michibiki)

<About Dynamic Map Platform Axyz Co., Ltd.>

Established: October 2022
Head office: Shibuya-ku, Tokyo
Representative: Hiromichi Amagai
Details of work: Creating new business using High-Precision 3D Data

<About Dynamic Map Platform Co., Ltd.>

Dynamic Map Platform was established based on the All-Japan System, which is supported by the Government of Japan and unifies Japanese companies, including 10 automobile manufacturers. Based in Japan, Dynamic Map Platform has group companies in the US, Germany, South Korea, and the Middle East, with currently about 300 staff members (consolidated).

As a High-Precision 3D Data platform that replicates the real world in a digital space, Dynamic Map Platform supports innovation in various industries.

Established: June 2016

Headquarters: Shibuya-ku, Tokyo

Representative: YOSHIMURA Shuichi

Business: Providing high-precision 3D data for a variety of industries, including automated driving and ADAS

Official Website: https://www.dynamic-maps.co.jp/

Official X: https://x.com/dynamic_maps