



RAPID PROTOTYPE DEVELOPMENT *Challenge* Multi-GNSS

for Social Impact & Value Creation

MARCH 3-5, 2026

 TOKYO, JAPAN



The **Rapid Prototype Development (RPD)** Challenge kicks off with an energetic ideathon, where participants brainstorm bold ideas to tackle real-world social challenges. These ideas then come to life in an intensive and hands-on hackathon, as teams collaborate with mentors to turn creativity into impactful application prototypes.



DEVELOP

Hands-on prototype development using the provided GNSS devices, based on the solution ideas created by each team.



MENTORS

Technical advice provided by experts in GNSS, IoT, AI, and related devices, as well as in programming.



NETWORK

Networking with experts and young professionals from government, academia, and industry in Japan and across Asian countries.

CO-ORGANIZED BY
Multi-GNSS Asia, and Cabinet Office

SUPPORTED BY

Geo-Informatics and Space Technology Development Agency (GISTDA), LocationMind Inc., Tokyo University of Marine Science and Technology (TUMSAT), Keio University, The University of Tokyo

IN-KIND SUPPORT BY CQ Publishing Co., Ltd., Akizuki Denshi Tsusho Co., Ltd., Septentrio N.V., Sengoku Densho Co., Ltd.

トランスタ技術

トモ技

秋月電子通商

septentrio
part of HEXAGON

千石電商

Electronic
prototyping tools



TURN YOUR IDEAS INTO REALITY

STEP 1



IDEA CREATION

What challenges exist in your city or community, and how could GNSS & IoT help? Work with your team to design a solution concept.

STEP 3



PROTOTYPE DEVELOPMENT

Assemble the device, install the provided software, and test the interface to ensure the prototype runs smoothly.

STEP 2



SYSTEM DESIGN

Learn about GNSS, and IoT with experts. Design a scenario-based concept, specifying the needed devices, software, and datasets.

STEP 4



DEMONSTRATION

Demonstrate your team's concept to the audience! How will your solution benefit society? Convince your audience & judges with your concept.

PROGRAM (LOCAL TIME: JST)

Pre-session WS 20th Feb @Online	16:00-18:00	<ul style="list-style-type: none">• Introduction of RPD Challenge• Team building• Theme/solution ideation• Prototyping preparations
Day1 3rd Mar. (Tue) @Nihonbashi, Tokyo	09:00-12:00 12:00-13:00 13:00-16:00 16:00-18:00	Ideathon #1: Identify an issue / Create ideas Lunch Ideathon #2: Stakeholder Analysis & Case Scenarios Preparation for Prototyping
Day 2 4th Mar. (Wed) @TUMSAT, Tokyo	09:00-12:00 12:00-13:00 13:00-17:00	Prototype Development #1 Lunch Prototype Development #2
Day 3 5th Mar. (Thu) @Nihonbashi, Tokyo	09:00-12:00 12:00-13:00 13:00-17:00 17:00-19:00 16:00-18:00	Prototype Finalization / Test / Demo #1 Lunch Prototype Finalization / Test / Demo #2 Presentation/Demonstration of the Prototype RPD closing, networking, and Award ceremony

CERTIFICATE & AWARD



All participants will be awarded a **Certificate** of Participation, and teams with outstanding prototypes will receive **special awards**.

Criteria: Social benefit / Feasibility / Commercial impact / Technical creativity

NOTES

- For participants traveling from overseas, accommodation during the RPD Challenge period (2nd-6th, March: 4nights) and meals will be provided. An airfare is NOT covered.
- The program will be conducted primarily in English, but Japanese-language support will also be available.

JOIN US!



supported by



Contact:

Space Service Innovation Lab. (SSIL)

✉ info-mga@ssil.jp

REGISTRATION



<https://krs.bz/ssil/m?f=40>