

# 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

# 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

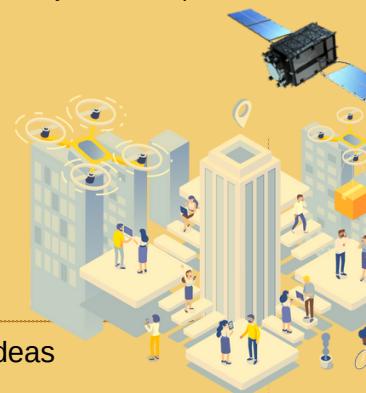


### DEMONSTRATION

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

## PROGRAM (TENTATIVE)

Pre-session WS <b>Feb, (TBC)</b> @Online	TBC	<ul style="list-style-type: none"><li>Introduction of RPD Challenge</li><li>Team building</li><li>Theme/solution ideation</li><li>Prototyping preparations</li></ul>
<b>Day 1</b> <b>3rd Mar. (Tue)</b> @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
<b>Day 2</b> <b>4th Mar. (Wed)</b> @TUMSAT, Tokyo	09:00-12:00 12:00-13:00 13:00-17:00	Prototype Development #1 Lunch Prototype Development #2
<b>Day 3</b> <b>5th Mar. (Thu)</b> @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** (currently being arranged).

## NOTES

- For participants traveling from overseas, accommodation during the RPD Challenge period (2nd-6th, March) will be provided. Please note that airfare is not covered.
- The program will be conducted primarily in English, but Japanese-language support will also be available.

# JOIN US!



supported by



Secretariat: Space Service Innovation Lab. (SSIL)

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