



# 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

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# 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<br>20th Feb<br>@Online                | 16:00-18:00   | <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><br>3rd Mar. (Tue)<br>@Nihonbashi, Tokyo | 09:00-12:00<br>12:00-13:00<br>13:00-16:00<br>16:00-18:00                | Ideathon #1: Identify an issue / Create ideas<br>Lunch<br>Ideathon #2: Stakeholder Analysis & Case Scenarios<br>Preparation for Prototyping   |
| <b>Day 2</b><br>4th Mar. (Wed)<br>@TUMSAT, Tokyo     | 09:00-12:00<br>12:00-13:00<br>13:00-17:00                               | Prototype Development #1<br>Lunch<br>Prototype Development #2   |
| <b>Day 3</b><br>5th Mar. (Thu)<br>@Nihonbashi, Tokyo | 09:00-12:00<br>12:00-13:00<br>13:00-17:00<br>17:00-19:00<br>16:00-18:00 | Prototype Finalization / Test / Demo #1<br>Lunch<br>Prototype Finalization / Test / Demo #2<br>Presentation/Demonstration of the Prototype<br>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



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## REGISTRATION



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