



**Mitsubishi Research Institute**

## Realizing digital transformation (DX) in disaster management

Achieving more prompt and effective disaster management by utilizing digital and smart technologies



### Hazard

Earthquake Tsunami Cyclone Storm Surge Flood

### Solution Purpose

Prevention & Mitigation Preparedness Response Recovery

### Solution Theme

Research & Investigation Risk Assessment Disaster Prevention Plan Infrastructure Technology Education & Training Evaluation

### Technology Subject

Research Feasibility Study Hazard Simulation Impact & Damage Simulation Legislation & Technical Regulations Mitigation Plan Urban Human Resource Development Training & Exercises Post Training Evaluation

### Advantages

We help stakeholders implement a holistically optimized network that utilizes digital twin, observation and forecasting technologies, and personal data to meticulously estimate, collect, and share

information of hazards and damages, and to enable rapid decision-making and information provision by local authorities, emergency response in cooperation with the private sector and personalized evacuation assistance.

## Solution Illustrated