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

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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

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