

Thinking About Pre-Disaster Prevention from a Phase-Free Perspective

2025/8/2 (Saturday)

Head of the Community Disaster Prevention

Section, Kameoka City Fujimoto Yoshiyuki



Overview of Kameoka City ①

Location・Area・Population

Area: 224.8km²

Population: 85,801

(3rd place in Kyoto Prefecture)

Men: 41,656

Women: 44,145

Number of Households: 40,580

(As of 2025/7/1)



Overview of Kameoka City ②

Geography • Climate

○ Climate

- Annual Average Temperature: 15.2°C
- Annual Rainfall: 1,716.0mm

○ Geography

- The entire city area is rich in nature

→As of April 1, 2015, forests cover 15,302 hectares, accounting for 70% of the city's total area

- From late autumn to early spring, the entire city is often enveloped in thick morning fog

→As a tourist attraction, the “Kameoka Fog Terrace” was established



Overview of Kameoka City ③ Policies and Initiatives

○2020

- Completion of Sanga Stadium by Kyocera
- Implementation of a Plastic Bag Ban Ordinance

○2021

- Wood Start Declaration
- Digital First Declaration

○2022 • Children First Declaration

○2023

- Organic Village Declaration

○2025

- International Safe City Deceleration



The History of Safe Community Initiative ①

- 2006 Declared commitment to the Safe Community Initiative
- 2008 Received first international Safe Community certification
- 2011 Established additional committees for various safety measures, including suicide prevention, infant and child safety, elderly care, traffic safety, and crime prevention
- 2013 Received Safe Community re-certification
Held the Safe and Secure Community Building Event
Declared commitment to the Safe School initiative
- 2014 Held the Citizen Safety and Security Forum
- 2015 Received international certification for Safe School
- 2016 Began signing agreements for community monitoring using dashboard cameras (drive recorders)



The History of Safe Community Initiative ②

2017 Launched citizen-participation projects

- ☆ Safety Drive Project
- ☆ “Machi Reko” Project

2018 Received third Safe Community re-certification and Safe School re-certification

Produced the “Safe Community Kameoka Song” and video, released on YouTube

2019 Received the “Excellence Award for Safe and Secure Community Initiative” at the 11th Collaboration Community Development Initiative

2021 Established the Disaster Preparedness Committee

2023 Received national Safe Community certification for the first time



About Safe Community Kameoka

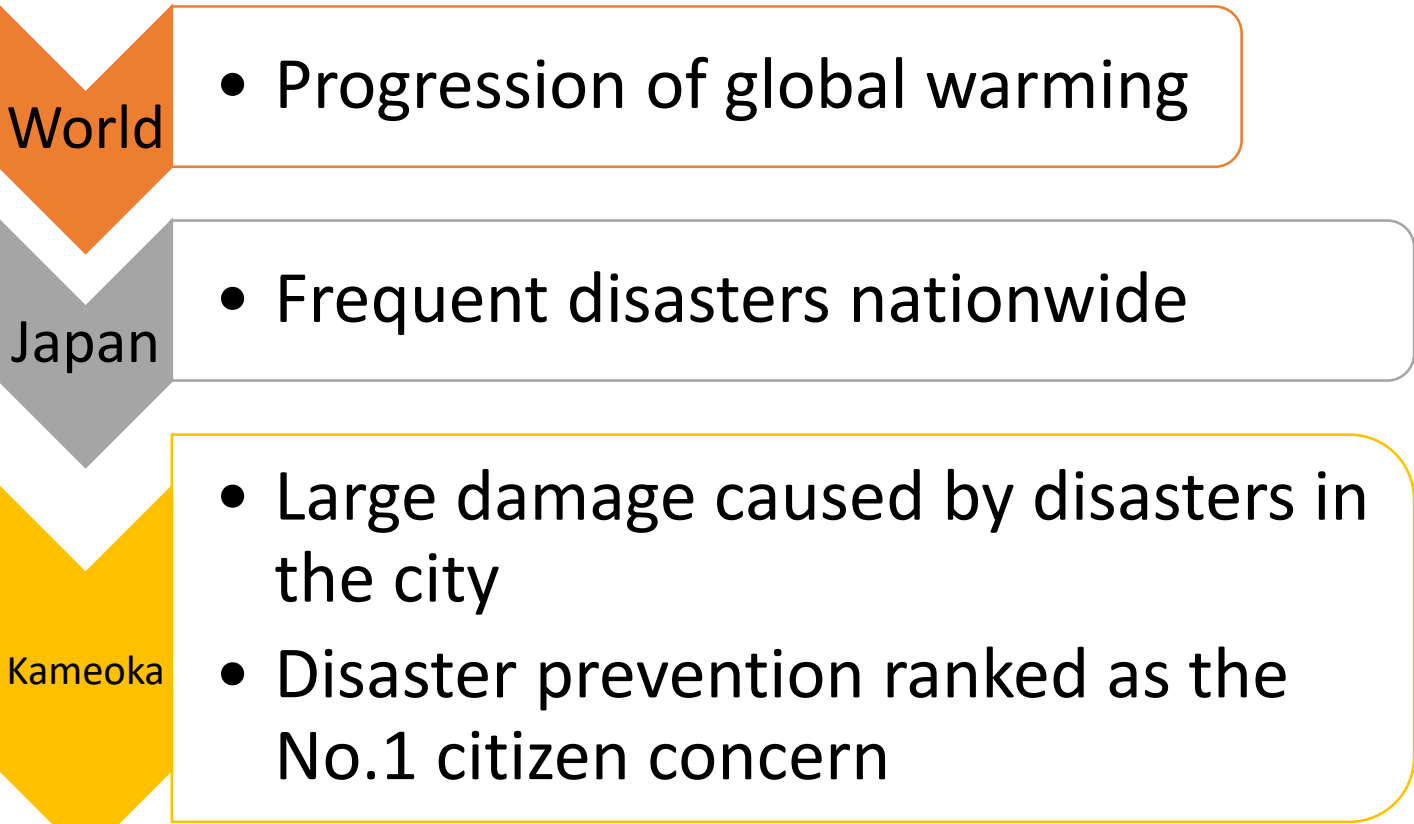
Organizational Structures of Safe Community Kameoka

Safe Community Promotion Council

Surveillance Committee



Background of the Establishment of the Disaster Prevention Committee



Disaster prevention is one of the key challenges of the Safe Community initiative



Disaster Prevention Committee established in April 2021

List of Disaster Prevention Committee Members

Category		Organization
Citizen Groups, etc.	1	Kameoka City Neighborhood Association Federation
	2	Kameoka City Disaster Preparedness Association
	3、4	Kameoka City Fire Department (2 Deputy Chiefs)
	5	Kameoka City Social Welfare Council
	6	Kameoka City Child Welfare Committee Members Council
	7	NPO Kameoka Childcare Network
	8	Kameoka International Exchange Association
	9	Meiji University of Integrative Medicine, Department of Emergency Medical Science
Government Agencies, etc.	10	Kyoto Prefecture Southern Region Promotion Bureau, General Affairs and Disaster Prevention Division
	11	Kameoka City Fire Department, Fire Prevention Division
	12	Kameoka Police Department, Security Division
	13	Kameoka Municipal Junior High School Principals' Association
	14	Kameoka Municipal Elementary School Principals' Association
	15	Kameoka City Disaster Prevention Division

Total: 15 Members

Citizens and government working together in unity to tackle disaster prevention!



Letter of Appreciation presented to the Kameoka City Disaster Prevention Committee (2023/12/21,during the certification ceremony)

Main Programs of the Disaster Prevention Committee



Community-Led Disaster Drills and Training Programs

Large-Scale Outdoor Event-Style Disaster Drill Programs

Community Disaster Leader Training Program

Programs of the Disaster Prevention Committee

① Community-Led Disaster Drills and Training Program

- **【Challenge】** Many citizens want to participate in community-based disaster drills, but the actual participation rate is low.
- **【Direction】** Increase the number of local residents who actively participate in disaster preparedness activities.

② Large-Scale Outdoor Event-Style Disaster Drill Program

- **【Challenge】** The participation rate of young people in disaster drills is low.
- **【Direction】** Plan disaster prevention events that are more appealing and accessible to younger generations.

③ Community Disaster Leader Training Program

- **【Challenge】** There is a shortage of people with specialized knowledge and skills in disaster prevention and response within the community
- **【Direction】** Increase the number of disaster leaders equipped with the necessary skills to take initiative in their communities

①Community-Led Disaster Drills and Training Programs

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)



Community-Led Disaster Drills and Training Programs

Number of Sessions

FY2024: Conducted 12 sessions within the city

Participants

Approximately 2,068 participants

Training content

Evacuation drills and emergency cooking exercises led primarily by local voluntary disaster prevention associations. In addition, city officials are dispatched as instructors to promote disaster awareness and knowledge.

②Large-Scale Outdoor Event-Style Disaster Drill Program

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

Based on the Regional Disaster Prevention Plan, comprehensive disaster drills are conducted every year.

Fiscal Year	Disaster Related Activities
FY2021	Kameoka City Disaster Prevention Event 2021
FY2022	Disaster Prevention Specialist Training Course Children’s Disaster Prevention Specialist Course (Also held in FY2023 and FY2024)
FY2023	Kyoto Prefecture Comprehensive Disaster Prevention Drill
FY2024	Kameoka Disaster Safety Security Event 2024
FY2025	Kameoka City Comprehensive Disaster Drill

②Large-Scale Outdoor Event-Style Disaster Drill Program

Comprehensive Disaster Drill



Jointly conducted by fire departments, police, self-defense forces, and other related organizations.

Drill Name	Participating Organizations
Information collection and transmission from the ground	Kyoto Prefectural Police, Ground Self-Defense Force
Aircraft operation drill	Kyoto Prefectural Police, Kyoto City Fire Department, Ground Self-Defense Force, Maritime Self-Defense Force, etc.
Rescue and evacuation drill for landslide disasters	Central Kyoto Area Fire Department Association, Kameoka Fire Department, Ground Self-Defense Force
Joint evacuation shelter drill	Central Kyoto Area Fire Department Association, DMAT, Ground Self-Defense Force
Rescue and evacuation drill from a high-rise building	Central Kyoto Area Fire Department Association, Kameoka Fire Department, Kyoto Prefectural Police
Simultaneous water discharge drill	Central Kyoto Area Fire Department Association, Kameoka Fire Department
Disaster prevention and emergency vehicle exhibition	West Japan Telecommunications (Kyoto Branch), Osaka Gas Network Co., Ltd., etc.

② Large-Scale Outdoor Event-Style Disaster Drill Program

Fun and interactive learning event: Disaster Prevention Safety Event



参加団体	
9	交通安全反射材ワークショップ セーフコミュニティかめおか 交通安全対策委員会
10	「まち・レコ」 プロジェクト出前受付 セーフコミュニティかめおか 防犯対策委員会
11	災害に強いLPガス 一般社団法人 京都府LPガス協会亀岡支部
12	日吉ダムの役割と洪水調節 独立行政法人 水資源機構日吉ダム管理所
13	大雨で道路が水だらけ!! 歩いて大丈夫? 冠水時の避難体験 明治国際医療大学防災研究所
14	最新ドローン機体展示 一般社団法人DCPA
15	コーナン防災コーナー 子供向け防災クイズ ホームセンターコーナン
16	災害ベンダー資料・ 長期保存水の展示 アサヒ飲料株式会社
17	高速道路の防災事業に関する展示 黄色パトロールカー遊具の試乗体験 西日本高速道路株式会社関西支社 亀岡高速道路事務所
18	災害対策車両等 展示コーナー 国土交通省京都国道事務所
19	AR初期消火訓練体験 消防防災機器の展示 大槻ポンプ工業株式会社
20	子どもの目線で見ると危険がいっぱい! 子どもの事故予防コーナー セーフコミュニティかめおか 乳幼児の安全対策委員会
21	避難所体験コーナー 京都府南丹保健所・亀岡市薬剤師会・亀岡市 亀岡中学校吹奏楽部コンサート 亀岡市立亀岡中学校
警察 ブース	交通安全・防犯対策啓発 広域緊急援助隊活動紹介 京都府亀岡警察署
消防 ブース	あつまれ!ファイヤーキッズ in Kameoka 2024 亀岡消防署
自衛隊 ブース	自衛隊災害派遣車両集合! カレー試食・ロープワーク・制服試着 自衛隊 (第7普通科連隊・亀岡募集案内所)
消防団 ブース	放水体験コーナー 亀岡市消防団
1	NHK防災コーナー NHK京都放送局
2	土砂災害を知ろう 耐震普及啓発 京都府南丹土木事務所
3	災害用伝言ダイヤル 171の体験コーナー 西日本電信電話株式会社京都支店
4	停電アプリ・ 感震ブレイカーの紹介 関西電力送配電株式会社京都本部
5	ボーイスカウトのモットー 「そなえよつねに」 日本ボーイスカウト京都連盟 亀岡第1団ボーイ隊
6	ガスマイコンメーターデモ機による 性能および復帰方法の紹介 大阪ガスネットワーク株式会社京滋事業部
7	災害ボランティア 普及啓発コーナー 亀岡市災害ボランティアセンター
8	国際交流コーナー 国際交流協会・亀岡市
野外 ステージ	

③Community Disaster Leader Training Program

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)



Kameoka City Disaster Prevention Specialist Training Course

Kameoka City Children's Disaster Prevention Leader Programme

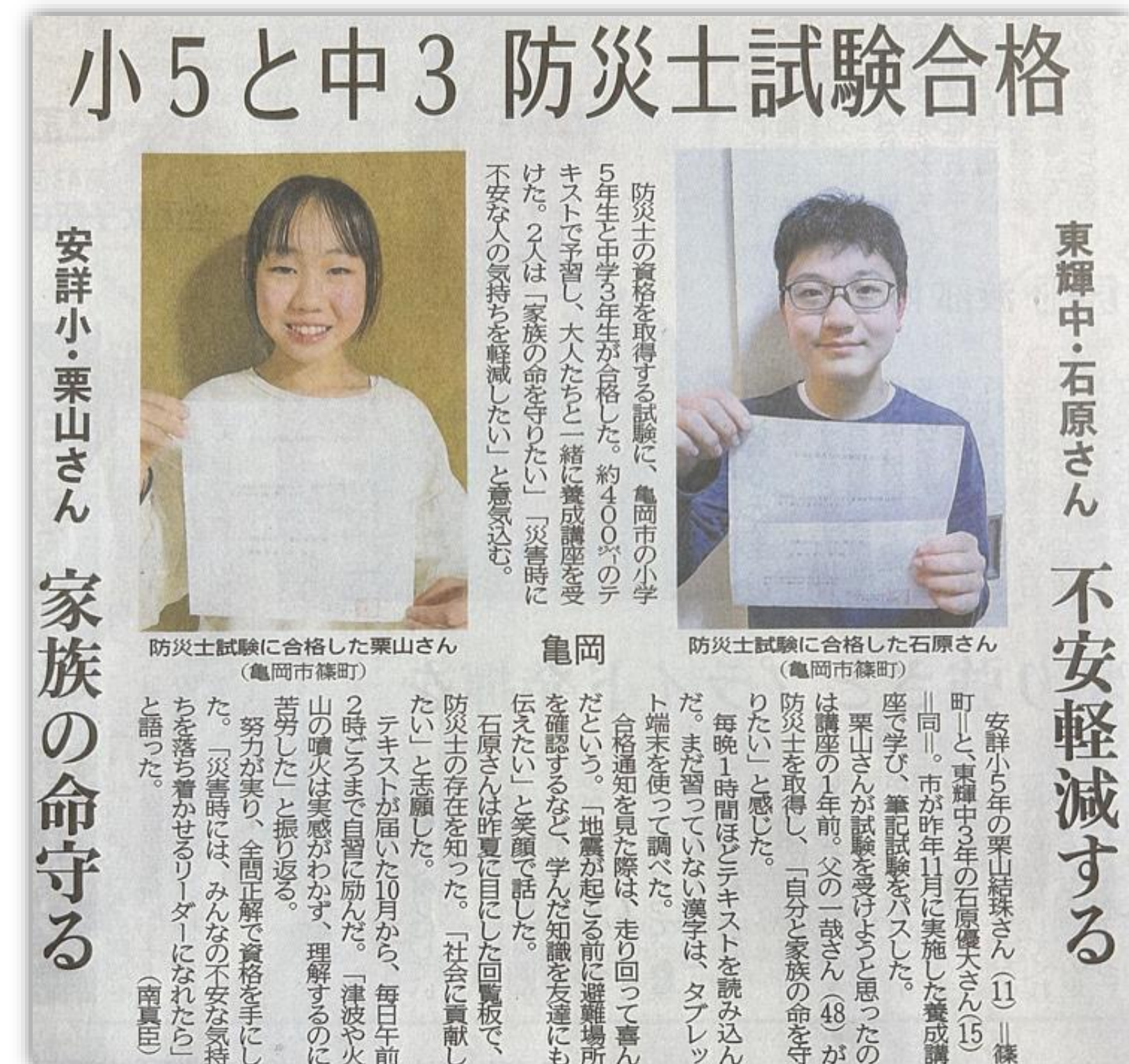
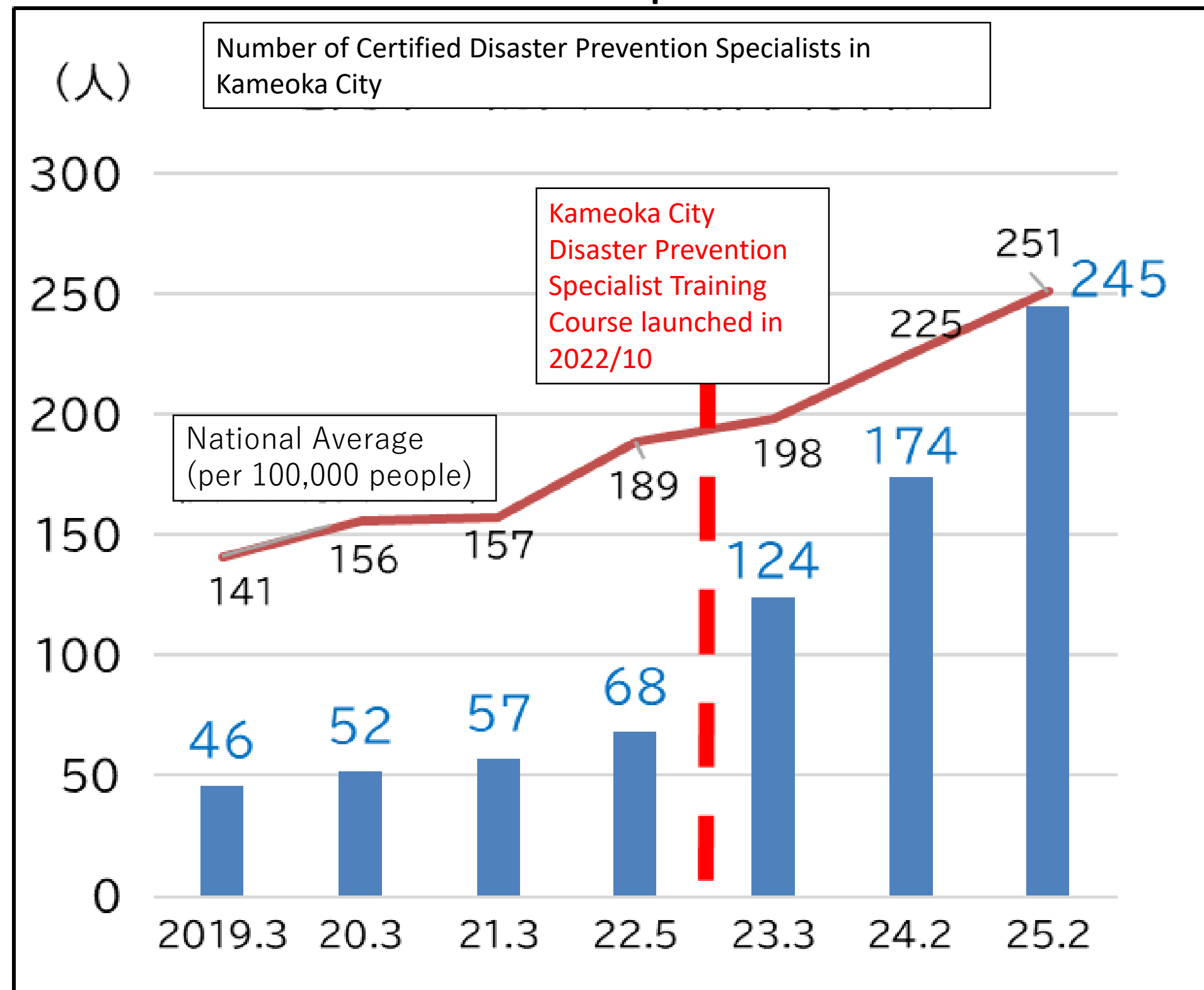


Kameoka Disaster Prevention Leader Network

③Community Disaster Leader Training Program

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

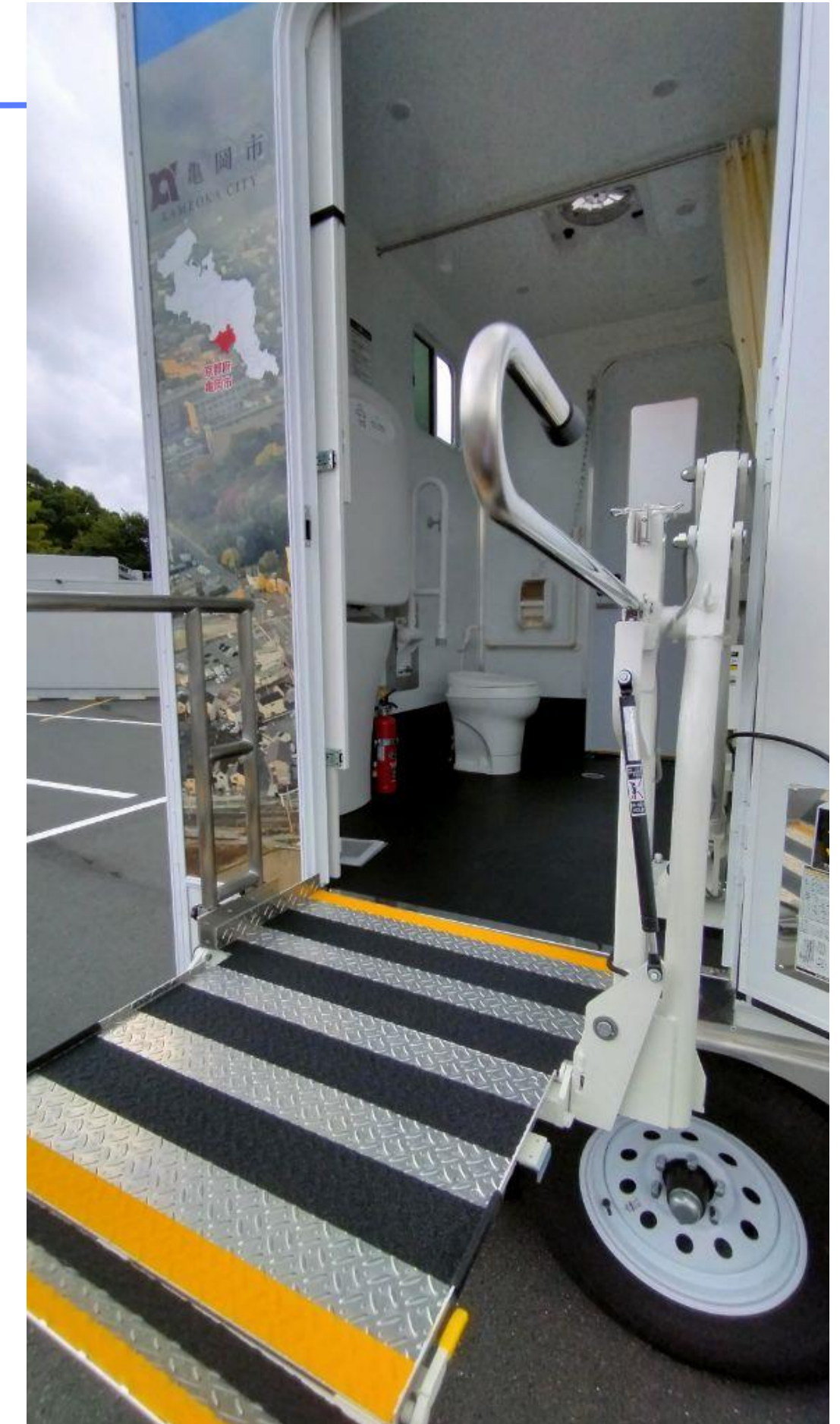
Trend in the Number of Certified Disaster Prevention Specialists



【Source】 : Kyoto Shimbun Morning Edition 2025/1/10

Other Disaster Preparedness Activities

Introduction of Mobile Toilet Trailers



Other Disaster Preparedness Activities



Support Activities for Disaster-Affected Areas

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

Support for the 2024 Noto Peninsula Earthquake

2024.1.1 Noto Peninsula Earthquake occurs

2024.1.2 Mobile toilet trailer dispatched
Same day: Installed at an evacuation center in Nanao City





① Kochi City, Kochi Prefecture



② Sue Town, Fukuoka Prefecture



③ Fujiyoshida City, Yamanashi Prefecture



④ Shinokura Town, Fukuoka Prefecture



⑤ Fuji City, Shizuoka Prefecture



⑥ Numata Town, Hokkaido



⑦ Koshigaya City, Saitama Prefecture

Mobile Toilet Trailer Support for the Noto Peninsula Earthquake



⑧ Kimitsu City, Chiba Prefecture



⑩ Izumisano City, Osaka Prefecture



⑩ Nishiizu Town, Shizuoka Prefecture



⑫ Daisen City, Akita Prefecture



⑬ Minoh City, Osaka Prefecture



⑭ Hokuto City, Yamanashi Prefecture



⑮ Kariya City, Aichi Prefecture



⑯ Tawaramoto Town, Nara Prefecture



⑰ Gunma Prefectural Government Office



⑲ Mitsuke City, Niigata Prefecture



⑨ Kameoka City, Kyoto Prefecture

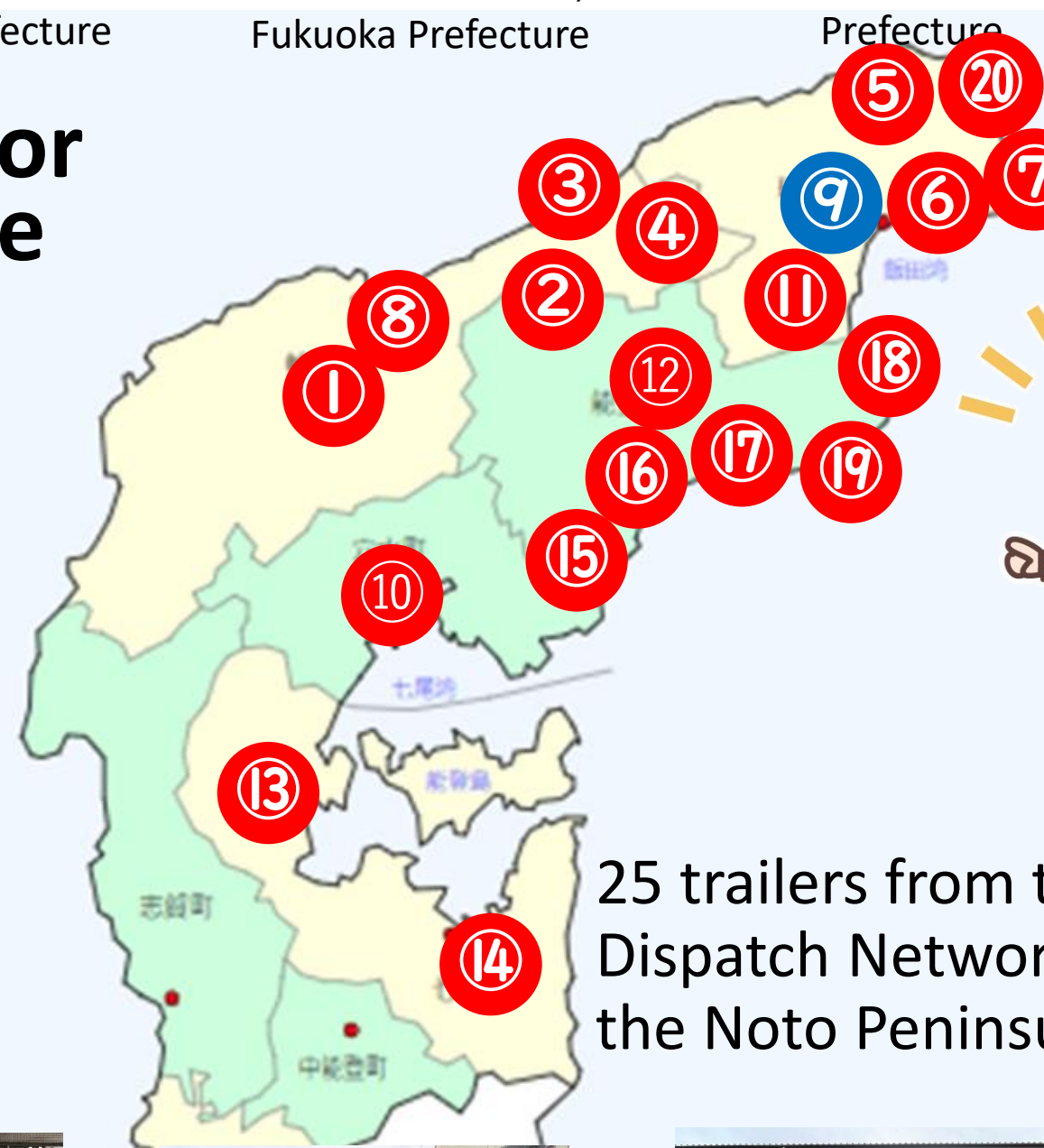


⑪ Kamakura City, Kanagawa Prefecture



⑱ Oizumi Town, Gunma Prefecture

Locations at the end of February 2024



25 trailers from the Disaster Toilet Dispatch Network were deployed to the Noto Peninsula

Deployment Status of Mobile Toilet Trailers

Toilets were provided at a total of 41 locations through relocation and re-dispatch

Kameoka City's Support for the Noto Peninsula Earthquake



Mobile Toilet Trailer Deployment

1/2～7/17 (Initially installed in Nanao City, relocated to Suzu City)

9/23～12/5 (Re-deployed due to heavy rain disaster in Oku-Noto)

Short-Term Staff Dispatch: Total of 129 Personnel

Emergency Building Safety Inspectors: 2

Nurses: 4, Public Health Nurse: 1

Evacuation Center Support Staff: 11

Disaster Certificate Issuance Support Staff: 6

Water Supply Vehicle & Support Staff: 6

Disaster Volunteers: 85, Others

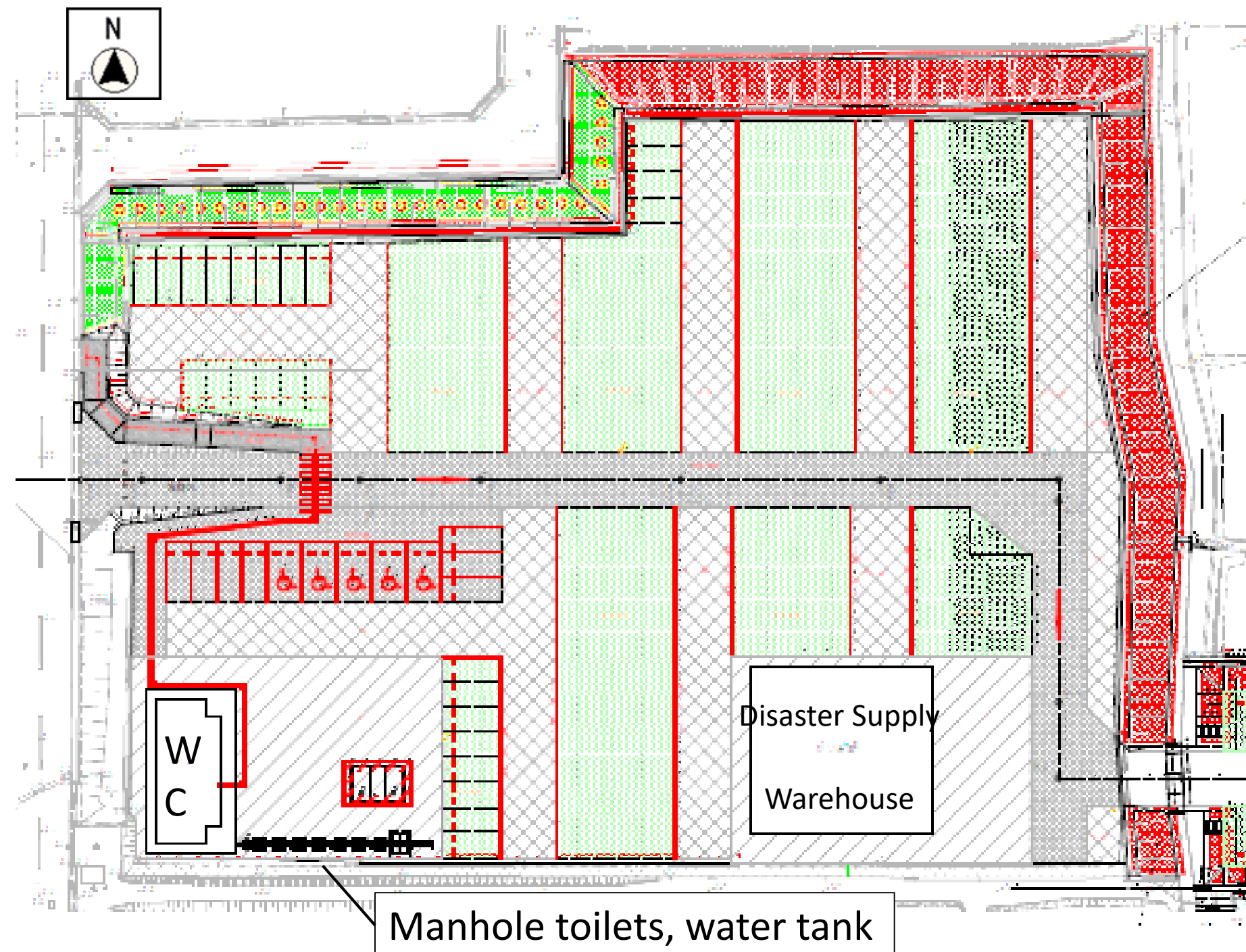
Long-term staff dispatch: 1 person

To Suzu City from April 2025 for one year (planned)

Development of Additional Disaster Response Facilities

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

(Tentative Name) *Car Shelter "Nomizu"* – A Site for Vehicle-Based Evacuation

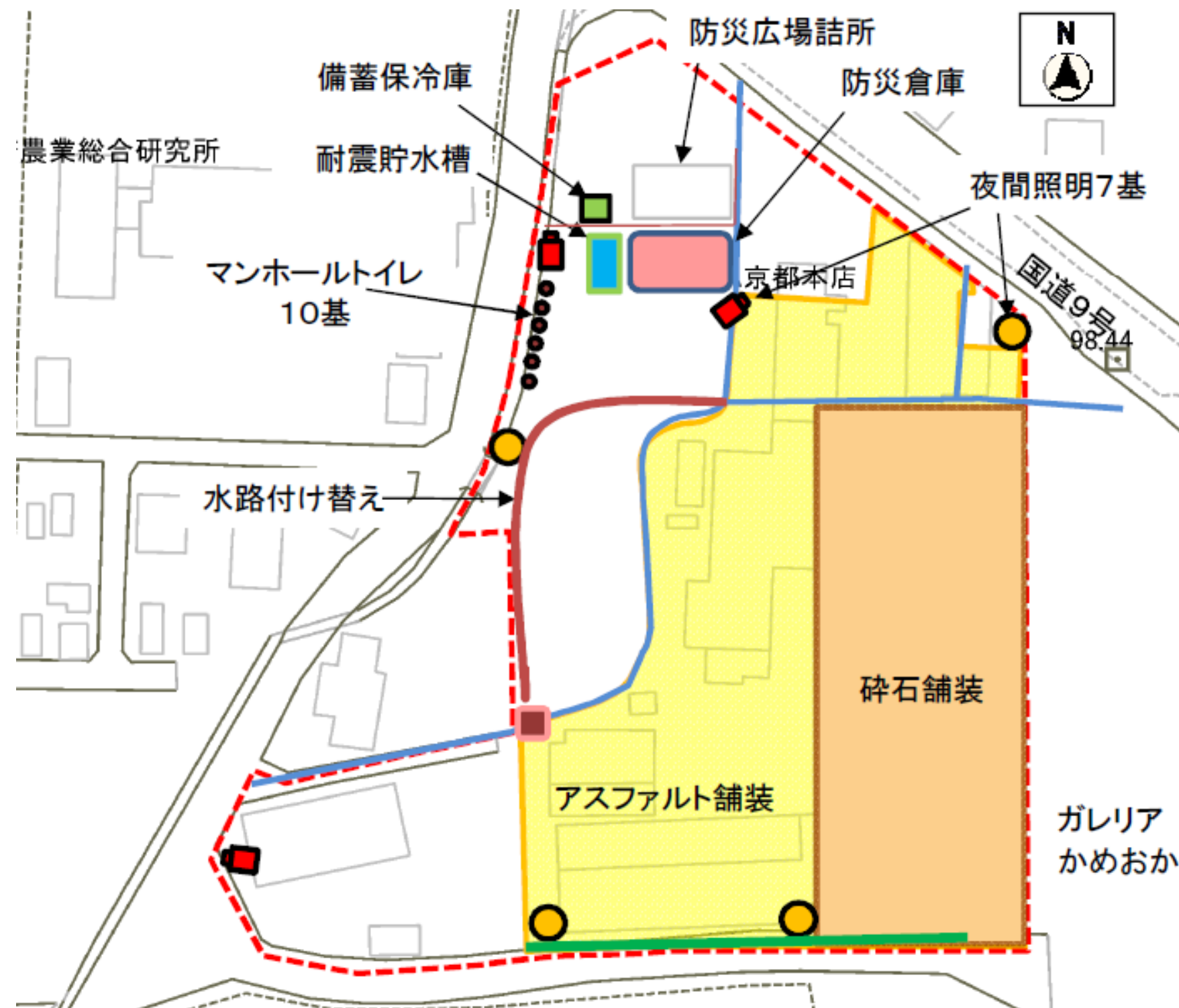


- Parking Capacity Standard vehicle spaces: 190, Accessible (disabled) spaces: 5
- Disaster Supply Warehouse: Steel-frame, single-story structure
Floor area: approx. 300m²
- Disaster Toilet Facility: Wooden, single-story structure
Floor area: approx. 90m²
- Men's Toilets: 1 Western-style toilet, 1 Japanese-style toilet, 3 urinals, 1 child-sized urinal
- Women's Toilets: 3 Western-style toilets, 1 Japanese-style toilet, 1 child sized urinal
- Multipurpose Toilet: 1 Western-style toilet, 1 diaper-changing table, 2 shower rooms, 3 foot-washing stations
- 8 manhole toilets, 1 earthquake-resistant water storage tank

Development of Additional Disaster Response Facilities

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

(Tentative Name) "*Kameoka Bousai Hiroba*" (Support Base Facility)



- Parking Lot – Capacity: 500-600
Asphalt-paved (partially Macadam-paved)
- Small-scale disaster supply warehouse
- Operations office
- Cold Storage for emergency supplies
- 7 night-time lighting units
- 10 manhole toilets
- 1 earthquake-resistant water storage tank
- Waterway rerouting
- Fence installations

What is Phase-Free?

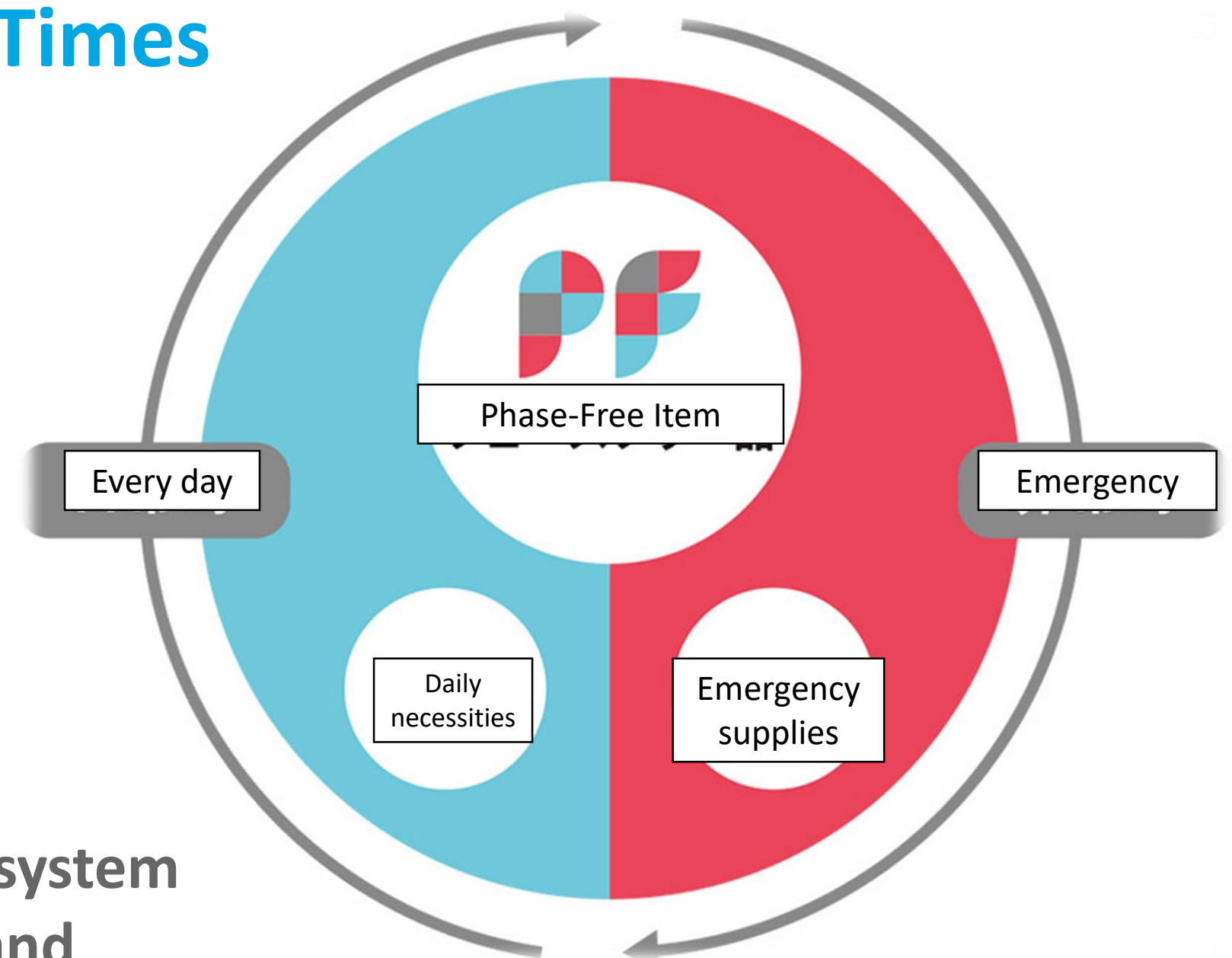
Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

Using Everyday Items and Services in Times of Emergency

- Freeing ourselves from the time-based “phases” of normal life and emergencies – Phase-Free means making use of the things we always rely on, even in times of crisis.
- Products and services that are convenient in daily life and useful in emergencies are recognized as having phase-free design.

Recognized as phase free design

- The Phase-Free Certification (PF Certification) is a system by Phase-Free Association that certifies products and services which hold value both in normal times and during emergencies. Its purpose is to help communicate the value of phase-free thinking.



Definition of Phase-Free

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)



Instead of preparing special items just for disasters, make everyday things useful in times of emergency too.

The Five Principles of Phase-Free

- Constantly Available: Can be used comfortably in any situation, weather normal or emergency.
- Every day: Fits naturally into daily life, offering comfort and ease of use.
- Intuitive: Simple to understand, how to use it, when to replace it, and accessible for everyone.
- Awareness: Inspires greater awareness of safety and preparedness through everyday items and services.
- Accessibility: Easy for anyone to adopt and use, contributing to a safer and more comfortable society.

Examples of phase free designs

Thinking about pre-disaster prevention from a phase-free perspective (Kamenka City)



A PHV (Plug-in Hybrid Vehicle) combines the advantages of both electric vehicles (Evs) and conventional hybrid vehicles (HVs). It runs on two power sources: an electric motor and a gasoline engine. Equipped with a high-capacity lithium-ion battery, it can also function as a storage battery or generator during power function as a storage battery or generator during power outages by activating the engine to generate electricity.



Business shoes you can run in. Made with high-quality cowhide for a formal appearance, these shoes also feature cushioning and insoles used in running shoes to provide exceptional comfort when walking. They solve common issues with traditional business shoes, such as foot strain and discomfort while walking.



While ordinary paper cups are typically used only for drinking, the measuring design paper cup incorporates measurement markings – in “ml/cc”, “go” (a traditional Japanese unit), and “cups”-into its design. This expands its use beyond drinking, making it useful for measuring powdered milk, rice, and more in situations like disasters

Examples of phase free designs

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

Minami-Ikebukuro Park (Toshima Ward, Tokyo)

- A spacious and open-hearted park featuring a large, open lawn area – fully renovated and reopened in 2016.



The lush, green park offers a space where visitors can spend time freely. It features a café-restaurant that connects producers and consumers through food, a multi purpose event plaza, and a terrace. Various features make the park both safe and enjoyable in an urban setting. For example, misting systems are installed along the outer hedges to help visitors stay cool during the peak of summer.



The park is pre- designed with disaster response in mind, including temporary shelter for people unable to return home from Ikebukuro Station, stockpiles of emergency supplies, information sharing in coordination with the disaster response headquarters, disaster toilets, and café-restaurant equipped to provide emergency meals. Additionally, the mist system around the perimeter and the flat space surrounded by greenery help prevent the spread of fire in the event of an outbreak.

Examples of phase free designs

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

Toshima Midori Disaster Prevention Park - Ike• Sun Park (Toshima City, Tokyo)

- A relaxing park in daily life, and an evacuation site in emergencies.



Although it is a public park, a café has been installed within the premises. Facilities such as restaurants were introduced through a public application process, and the revenue generated from these business is used to fund the development and renovation of specific park infrastructure. This approach not only brings liveliness to the park on a daily basis but also contributes to reducing public maintenance cost.



In the event of a disaster, the café and movable food stalls can be used to provide hot meals. The flat, open central area serves as a heliport, and the park's pathways are wide enough to allow access for large trucks and emergency vehicles. This enables the smooth delivery of relief supplies and transportation of seriously injured patients.

Phase-Free Systems

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

For example:

- Rolling Stock (Stockpiling food at home through regular use and replenishment)
- Smartphones (Evolution of communication and information devices)
- Use of outdoor goods (Repurposing camping gear and similar items for emergencies)

Benefits of Phase-Free Preparedness

- No special preparation needed: You can make use of things you already use in daily life, so there is no need to purchase special disaster goods.
- Improved disaster awareness: By being mindful of disaster preparedness in your everyday life, your awareness naturally increases.
- Cost-effective: There's no need to spend extra money on dedicated emergency items, making it more economical.
- Reduced psychological stress: Since it doesn't require special preparations, the mental burden of being prepared is also reduced.

Learning from Past Disasters

Thinking about pre-disaster prevention from a phase-free perspective (Kameoka City)

Challenges Faced in Japan During Disasters

- ▶ Preventing disaster-related deaths
- ▶ Ensuring comfortable evacuation environments for everyone
- ▶ Protecting citizens' property

Thinking from a Safe Community Perspective

Safety Measures for the Elderly
Issue: Reducing injuries caused by falls

Counter
measure

Effect

In Daily Life

By preventing frailty, health expectancy can be extended and the transition to a state requiring nursing care can be avoided, allowing elderly individuals to maintain independent lives for longer.

In Times of Disaster

Helps prevent economy class syndrome and provides mental refreshment, thereby contributing to the reduction of disaster-related deaths.



Thinking from a Safe Community Perspective

Safety Measures for Infants and Toddlers

Issue: Frequent injuries at home

Counter-measures

Raising awareness among guardians and displaying posters

Effect

In Daily Life

New parents have no prior experience. By providing preventive guidance during child health check-ups, accidents caused by carelessness can be avoided.

During Disasters

Displaying posters or pamphlets in evacuation shelters reassures parents and encourages attentiveness among other evacuees, resulting in a more comfortable shelter environment.

Thinking about pr



Thinking from a Safe Community Perspective

Crime Prevention Measures

Issue: Burglaries make up about half of all incidents

Counter-measures



Utilizing drive recorders

Effect

In daily Life

Companies and individuals register their drive recorders as volunteer surveillance cameras, contributing to community watch activities.

During Disasters

In large-scale disasters, many burglaries occur at homes where residents have evacuated. Even during power outages, drive recorders in cars may capture footage of the perpetrators.

Thinking about Pre-Disaster Prevention from a Phase Free Perspective



Thank you for your
attention!