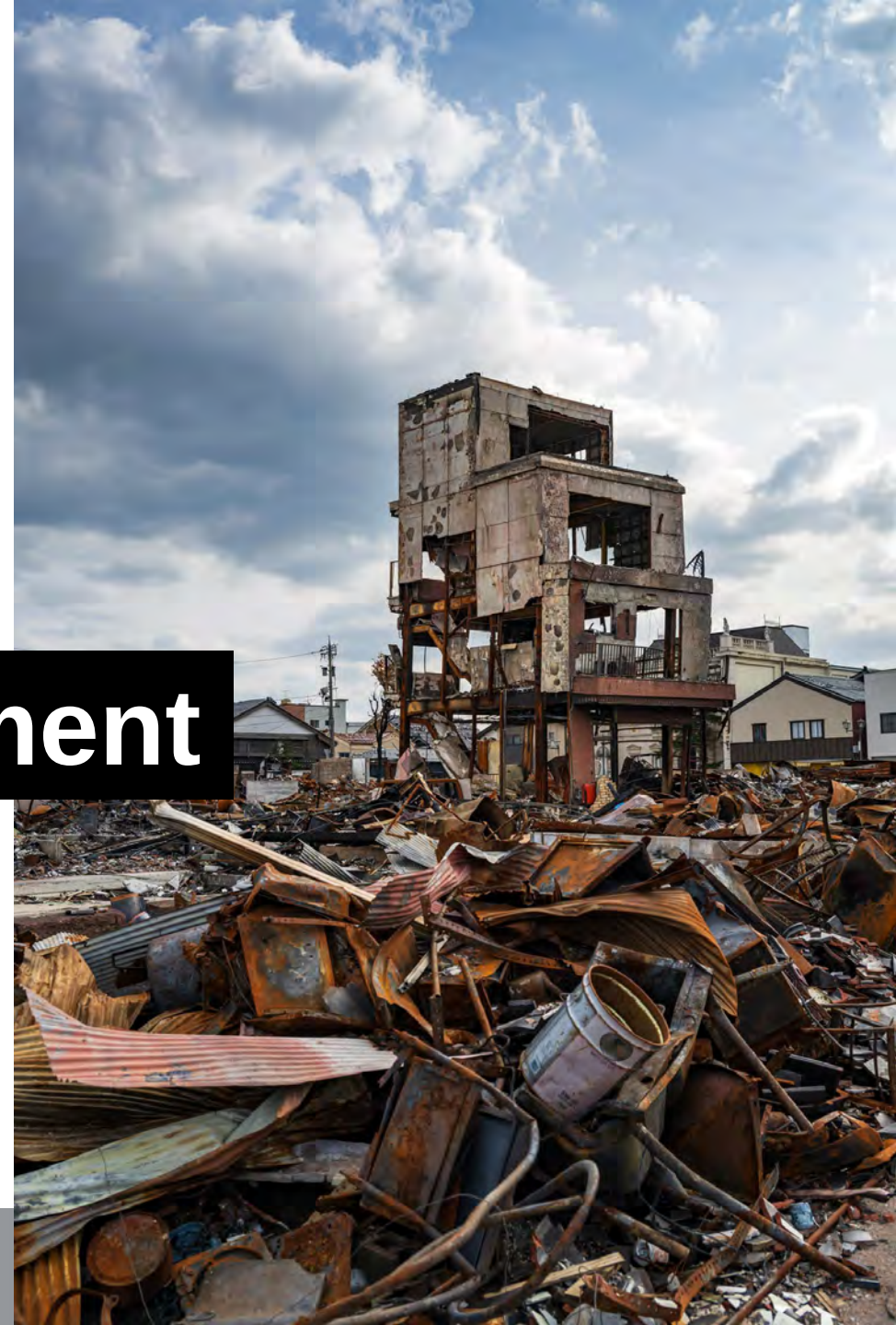




AI Solution for

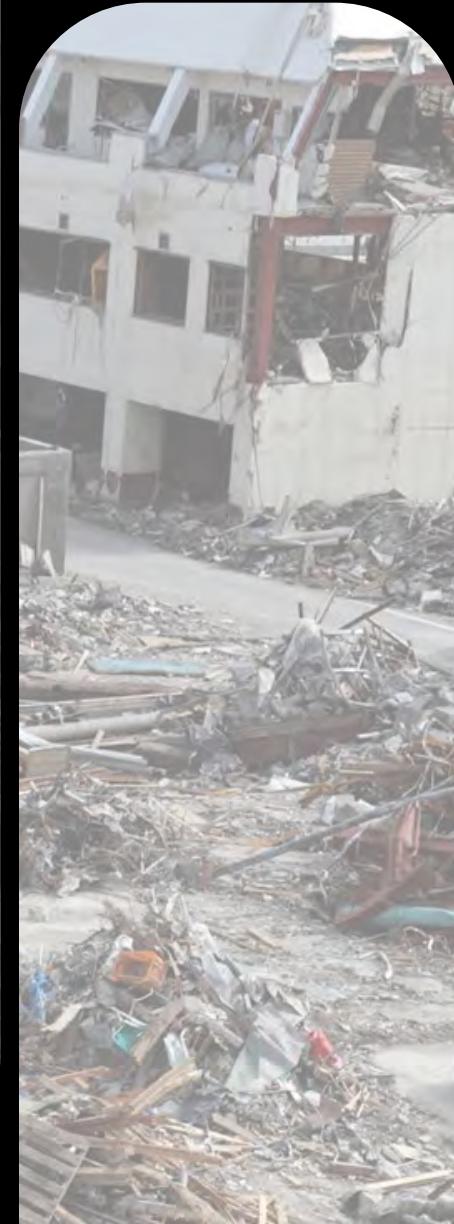
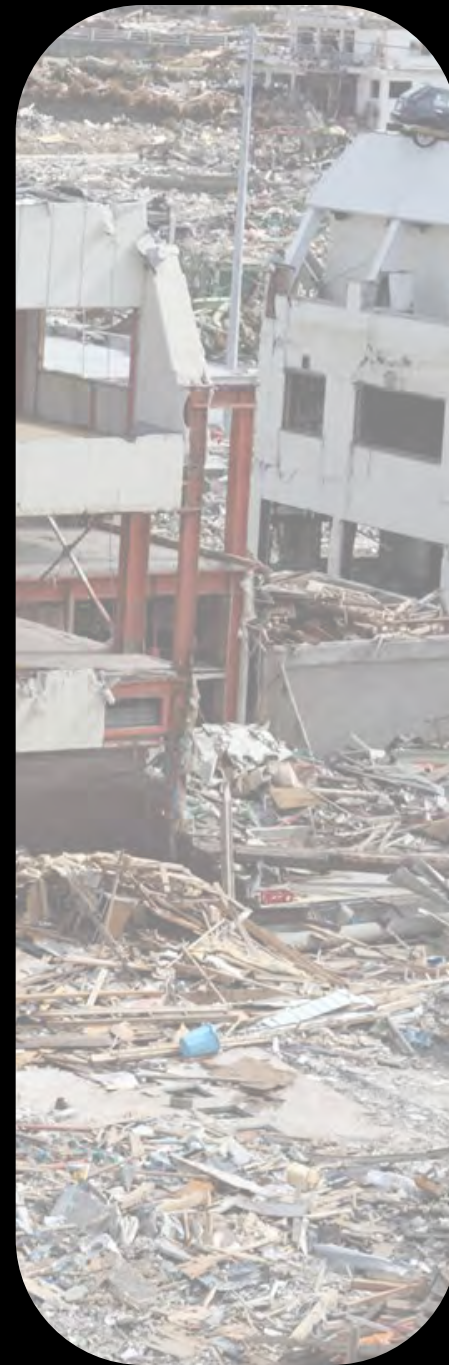
Disaster & Crisis Management

May 14, 2025



2011

**Earthquakes and Tsunami
devasted Eastern Japan**



Worldwide Economic Loss caused by Natural Disaster

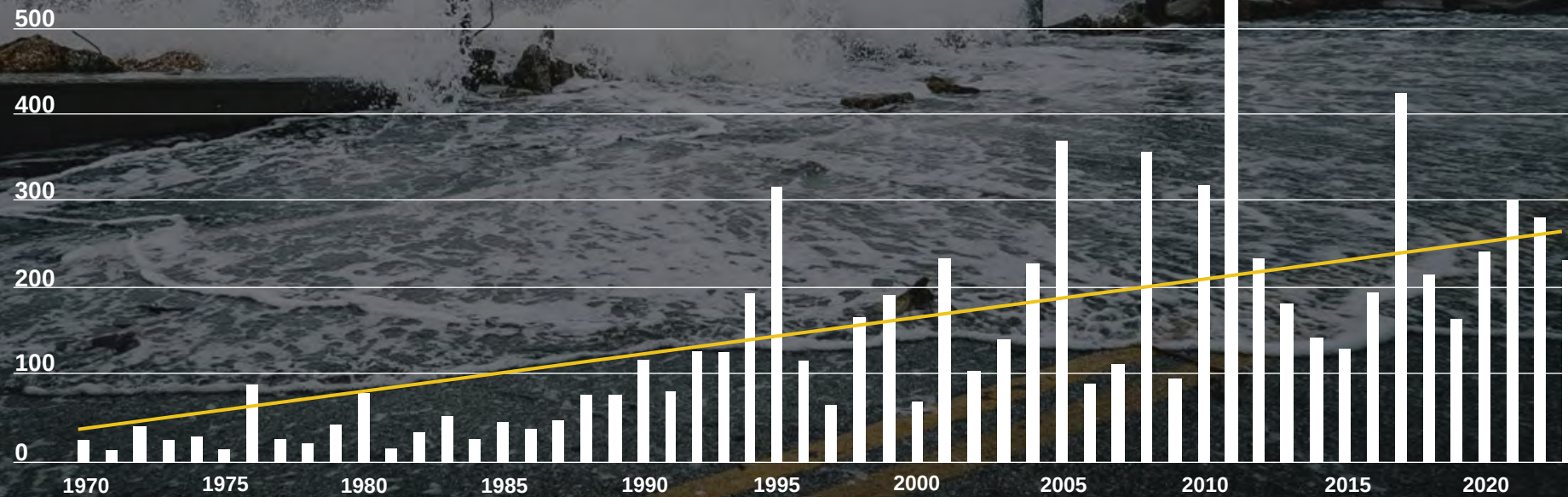
Over
US\$ 368 Billion
(in CY2024)

※Aon reported on Jan 22, 2025



The threat is growing

Worldwide Economic Loss due to Natural Disaster 1970-2023 (PPP 2023)
(US\$ Billion)



Source : Swiss Re Institute 「Sigma: Natural catastrophes in 2023」

Spectee

**We are fighting disasters
Utilizing advanced technologies**

Mission

Visualize Crises

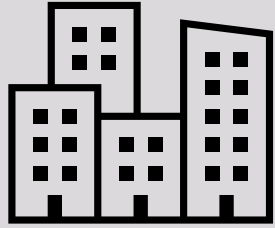
Our ultimate goal is...
deaths due to disasters

zero

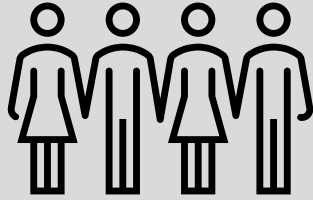
0



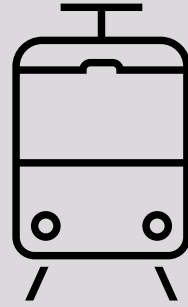
Company Profile



Est.
2011



Employee
130



Office
**Tokyo,
Japan**

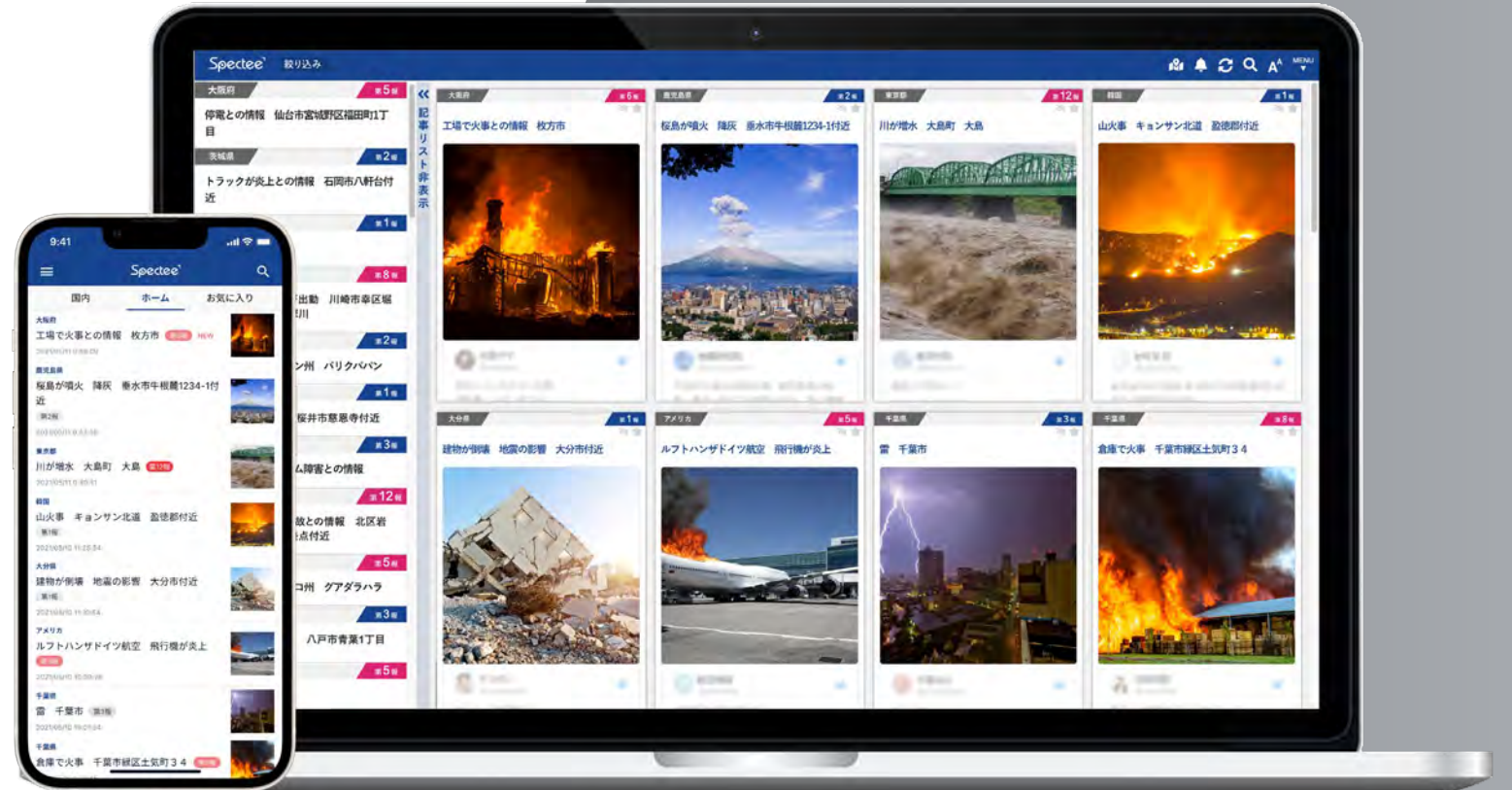
Founder & CEO
Ken Murakami



Spectee Pro

AI Disaster & Crisis Management Solution

With power of AI,
it enables to visualize
the **Crisis** in real time.

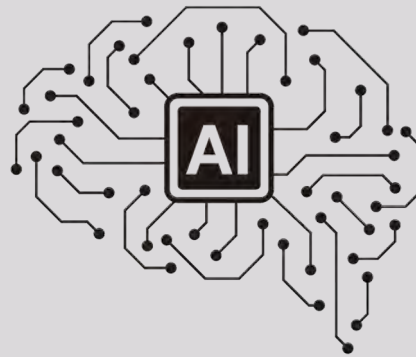


How It Works

Numerous posts
on social media



AI Analysis



What

Flooding

Where

12-3-4
Kamata, Ota-ku
Tokyo

Verification
by humans



24/365 on duty

Delivery to
customers



- ✓ Dashboard
- ✓ Voice
- ✓ Notification
- ✓ Email Alert

Artificial
Intelligence

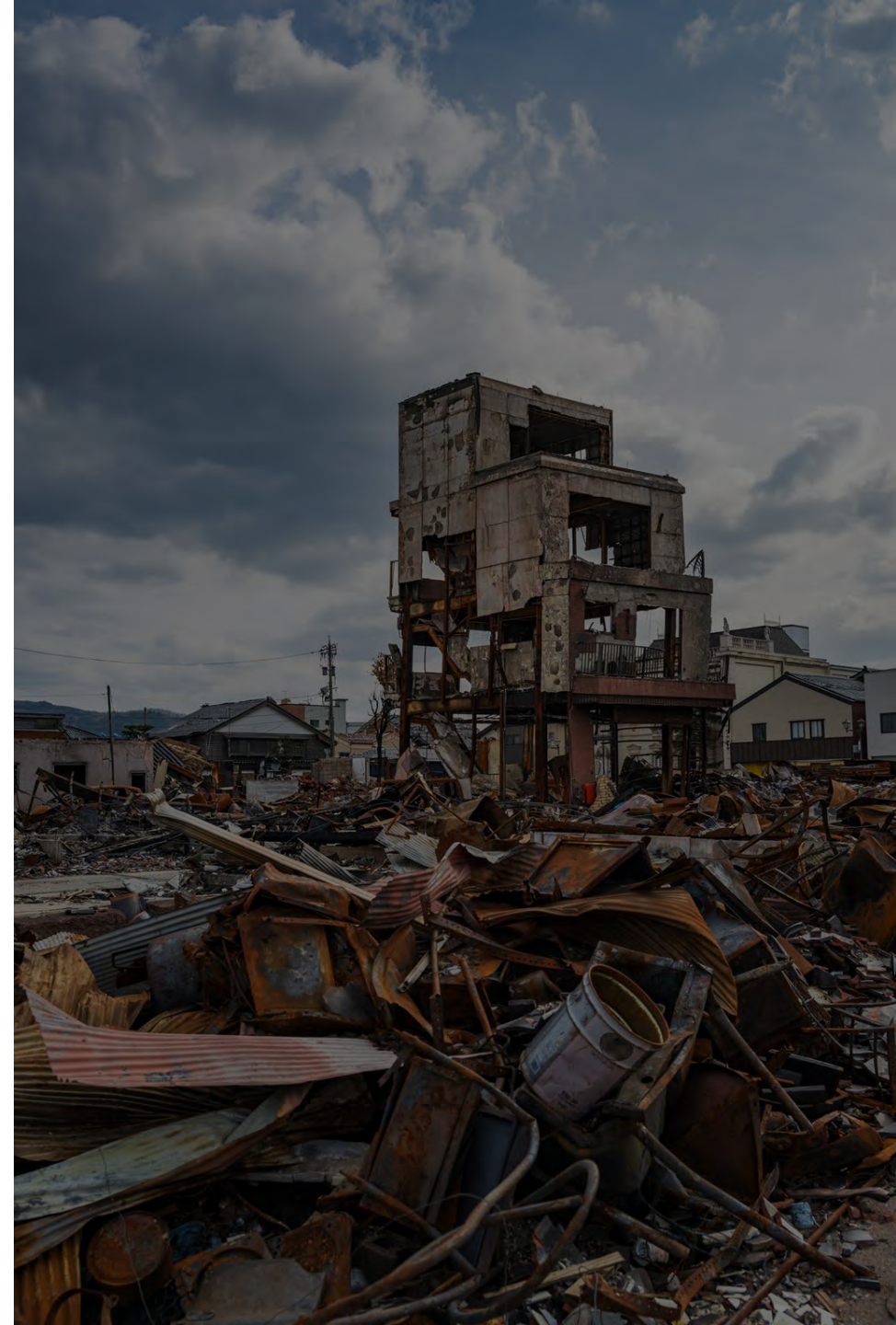
×

Human
Intelligence

=

Only **Credible**
Information

Why Social Media?



More and more crisis information
is being shared on **social media**



Advantages of Social Media

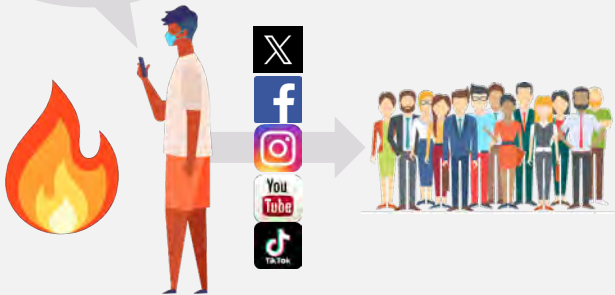
Speed

Coverage

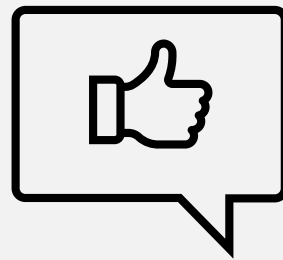
Visibility

No Hardware Investment

Smartphone
with Camera



**Information is shared
in real time**



5 Billion

**Social Media Users
62.3% vs Population**

Digital 2024: Global Overview Report



**You can grasp exact
Situation with images**



**Very expensive to deploy
cameras and monitor them**

Disadvantages of Social Media

Speed

Coverage

Visibility

No Hardware
Investment



Difficult to find valuable information



Fake News (misinformation / disinformation)



Spectee's AI Technology

Natural Language Analysis

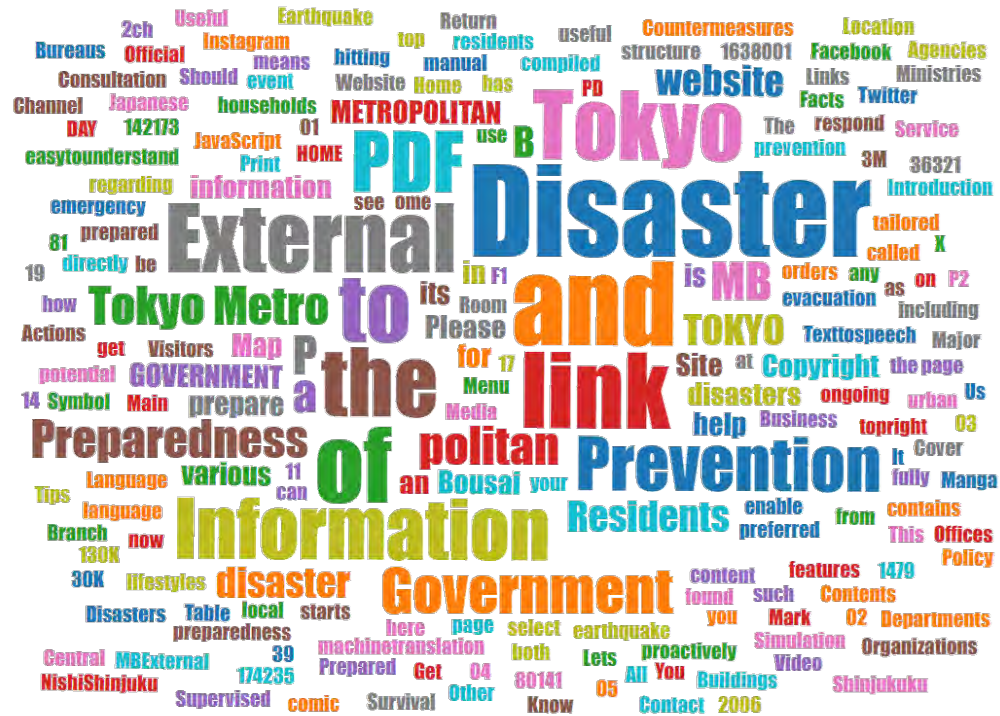


Image Analysis



How to Remove Fake News

1. Sentence Analysis



2. Credibility Check



3. Image Analysis



Tonga Tsunami
Posted on Jan 15, 2022



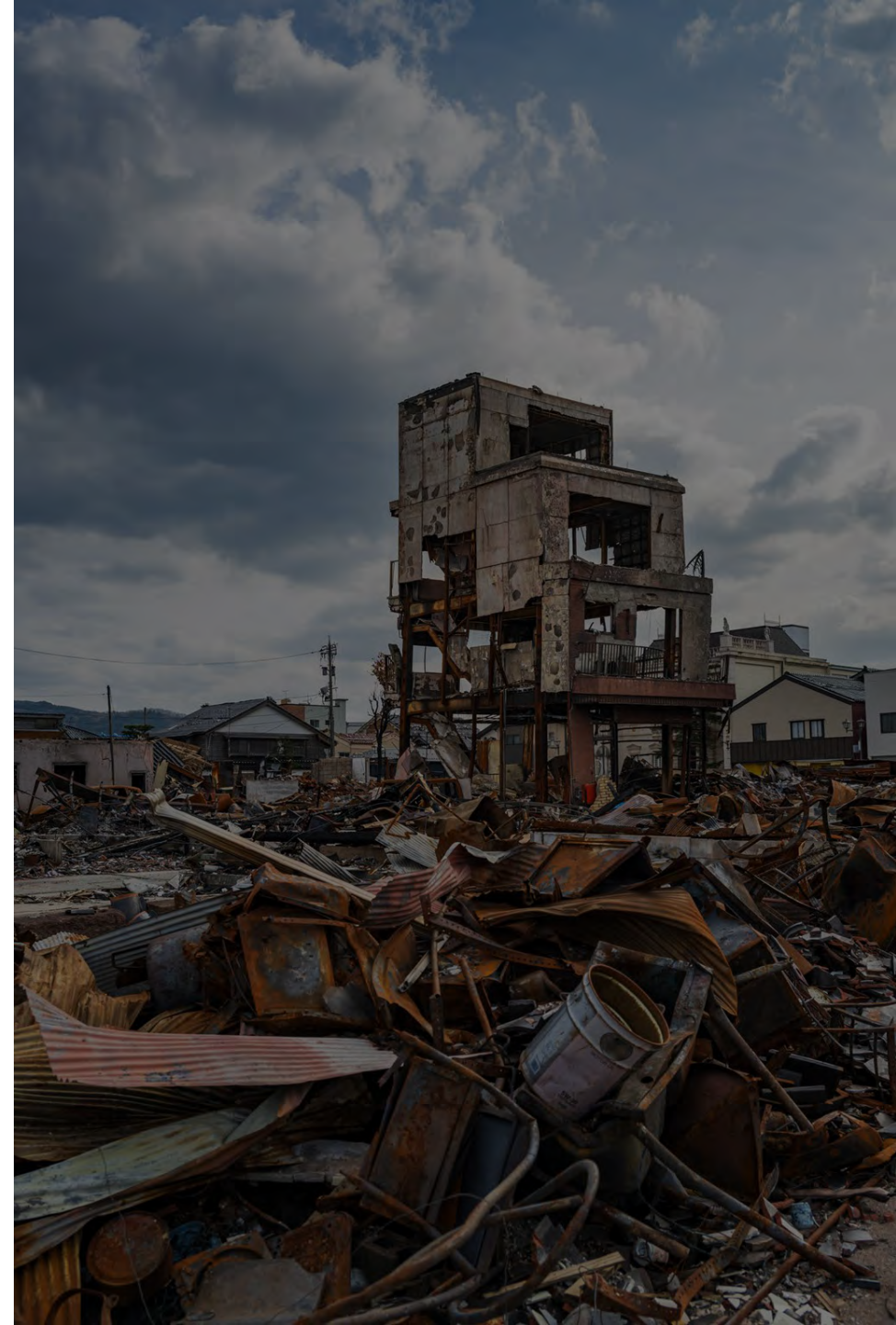
Disaster Image DB

Actually...Posted
in December 2021
in Indonesia



Who are using

“Spectee Pro” in Japan?



The number of licenses

has reached **1,100**



Our Customers



Public Sector



Central agencies
Local governments
Police / Fire Dept.
Research Institutes

Disaster Prevention/Mitigation
First Response



Private Sector



Manufacturing, Retail,
Infrastructure, Logistics,
Construction, Telecom...etc.

BCP (Business Continuity Planning)
Supply Chain Risk Management
Safety of Customers/employees



Newsroom



TV Stations
Radio Stations
Newspaper Companies

Detect New Incidents and Accidents

Public Sector



Ministry of Land, Infrastructure,
Transport and Tourism



Oita Pref.



Fukui Pref.



Ministry of Foreign Affairs



Ministry of Defense



Kobe City



Toyota City

県が災害対応にツイッター
あなたの“つぶやき”で減災



Crisis Management Center of **Miyagi Pref.**

Widely Used in Japan

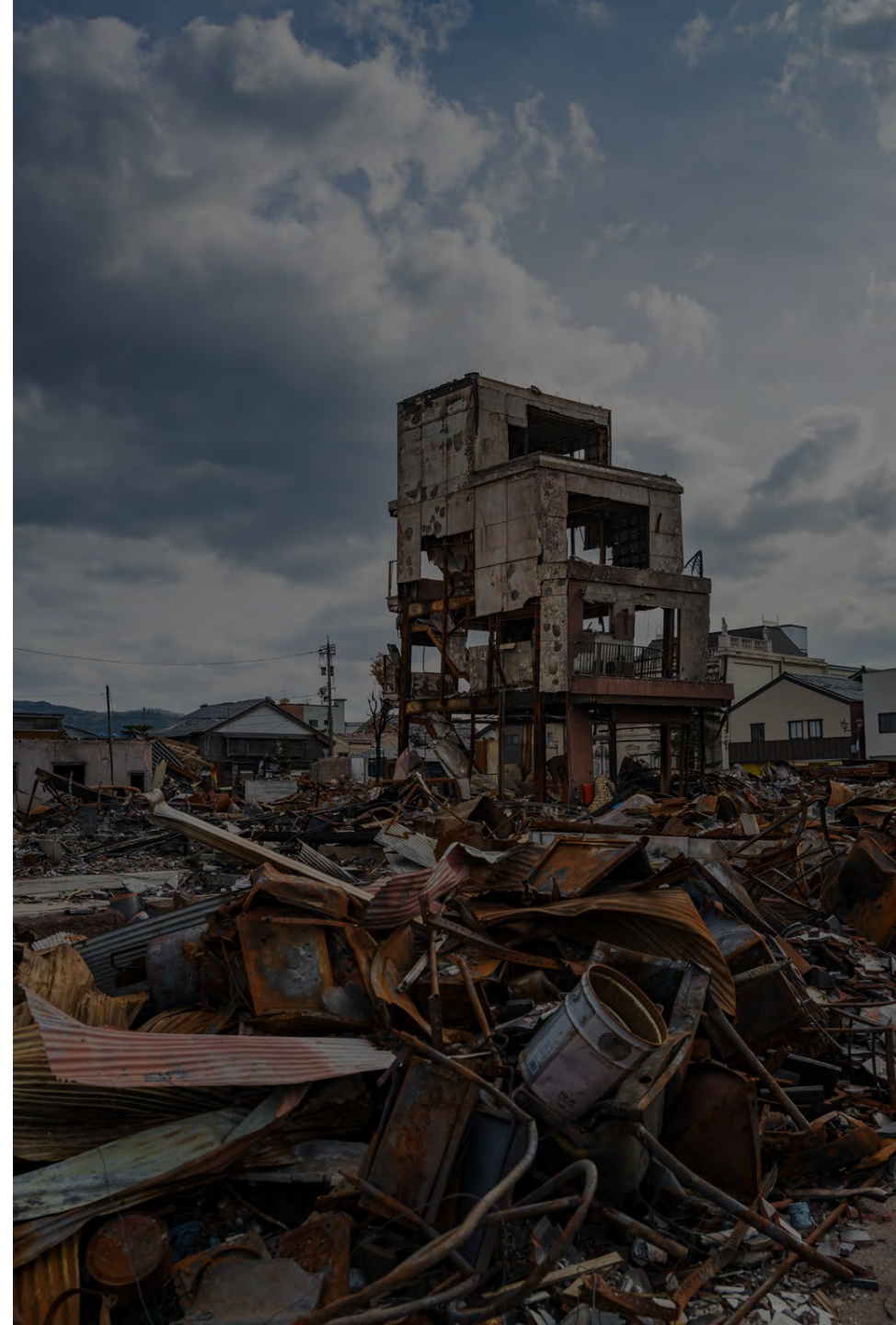
All **47** prefectures introduced
(8 in trial use)



Spectee



Launch in the Philippines



Why the Philippines?



Disaster-prone country same as Japan



People can speak **English**



Plenty of young people who are “**digital-native**”



Good relationship with Japan traditionally



ASEAN is the key area for future supply chain



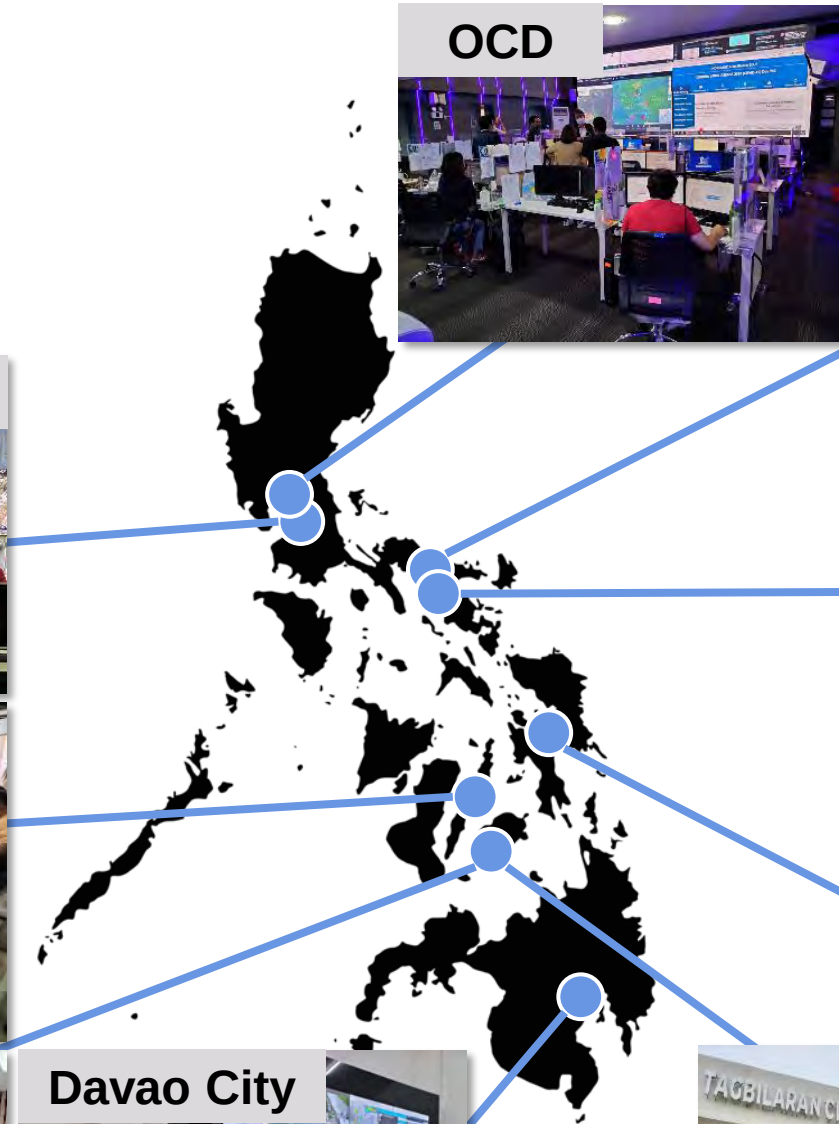
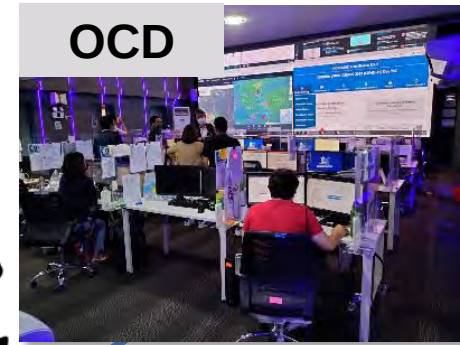


Feasibility Study in 2023

Supported by
JICA Private Sector Partnership Program



Japan International
Cooperation Agency



Launching Scheme

**Oct
2024**

Service Launch

**80 Free
Accounts**

Provided to public sector users

**Feb 2025
- May 2026**

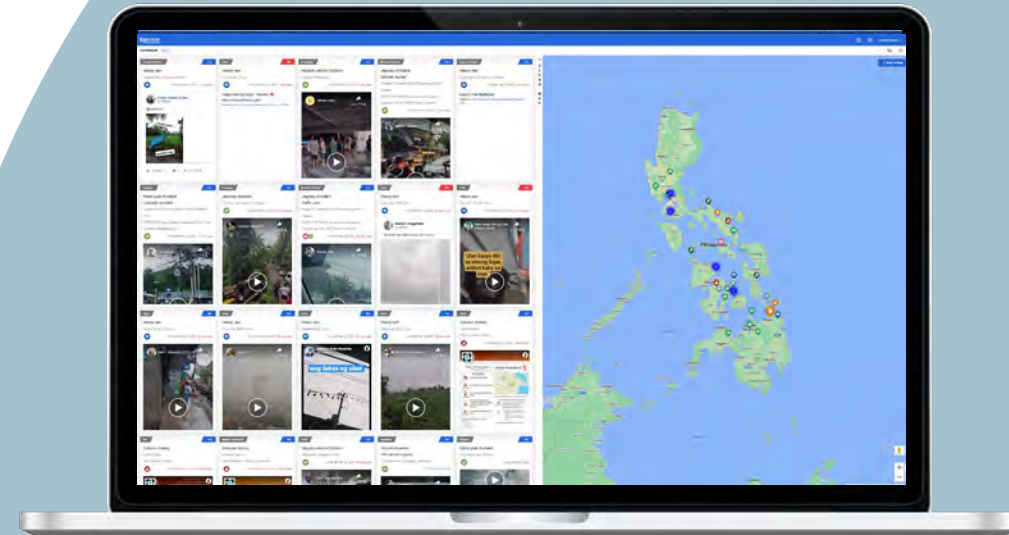
**Free trial
& user feedback requested**

**Jun
2026**

Switch from free to paid
(Budgeting and procurement process needed)

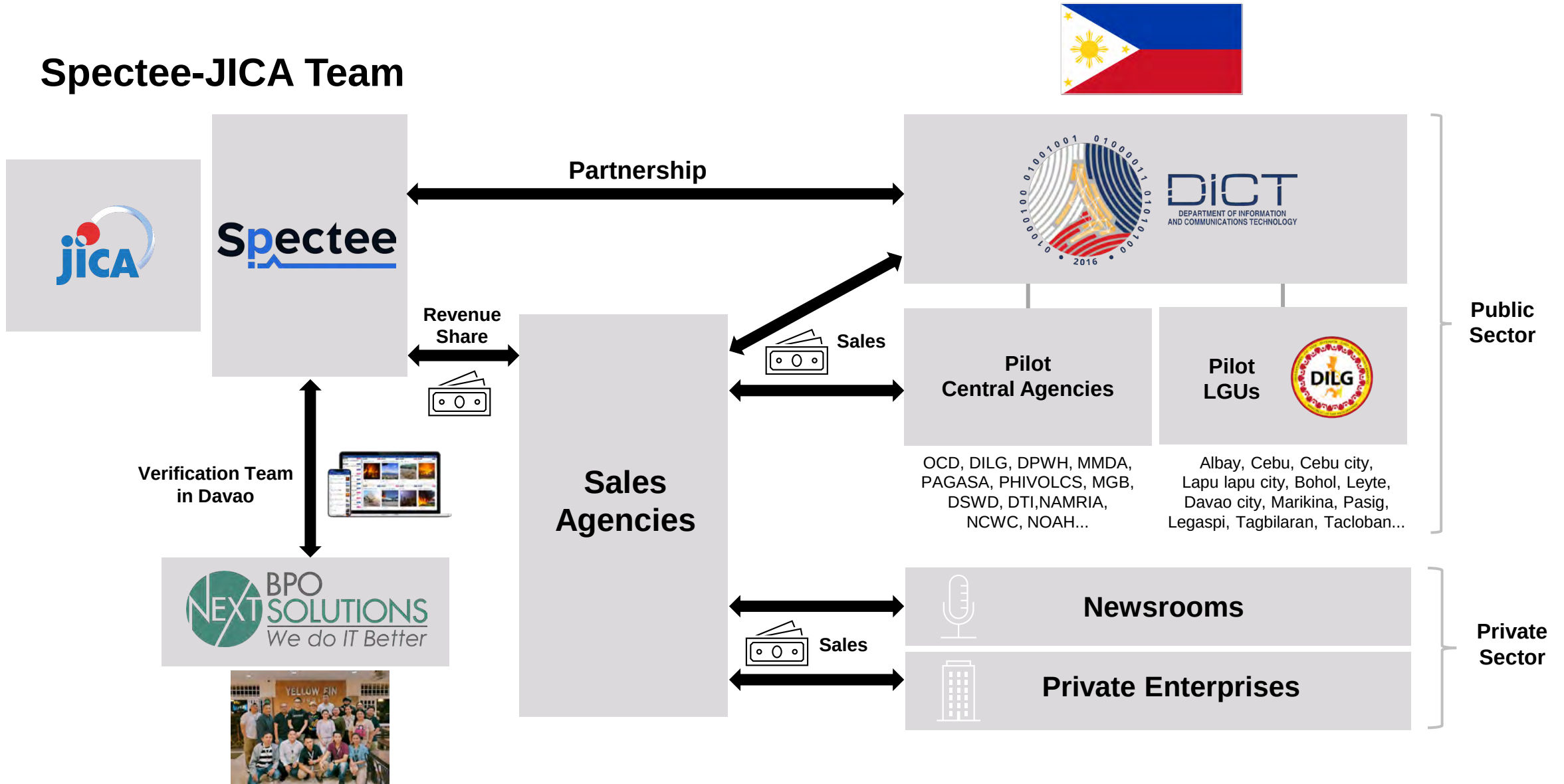


Spectee



Implementation Scheme

Spectee-JICA Team





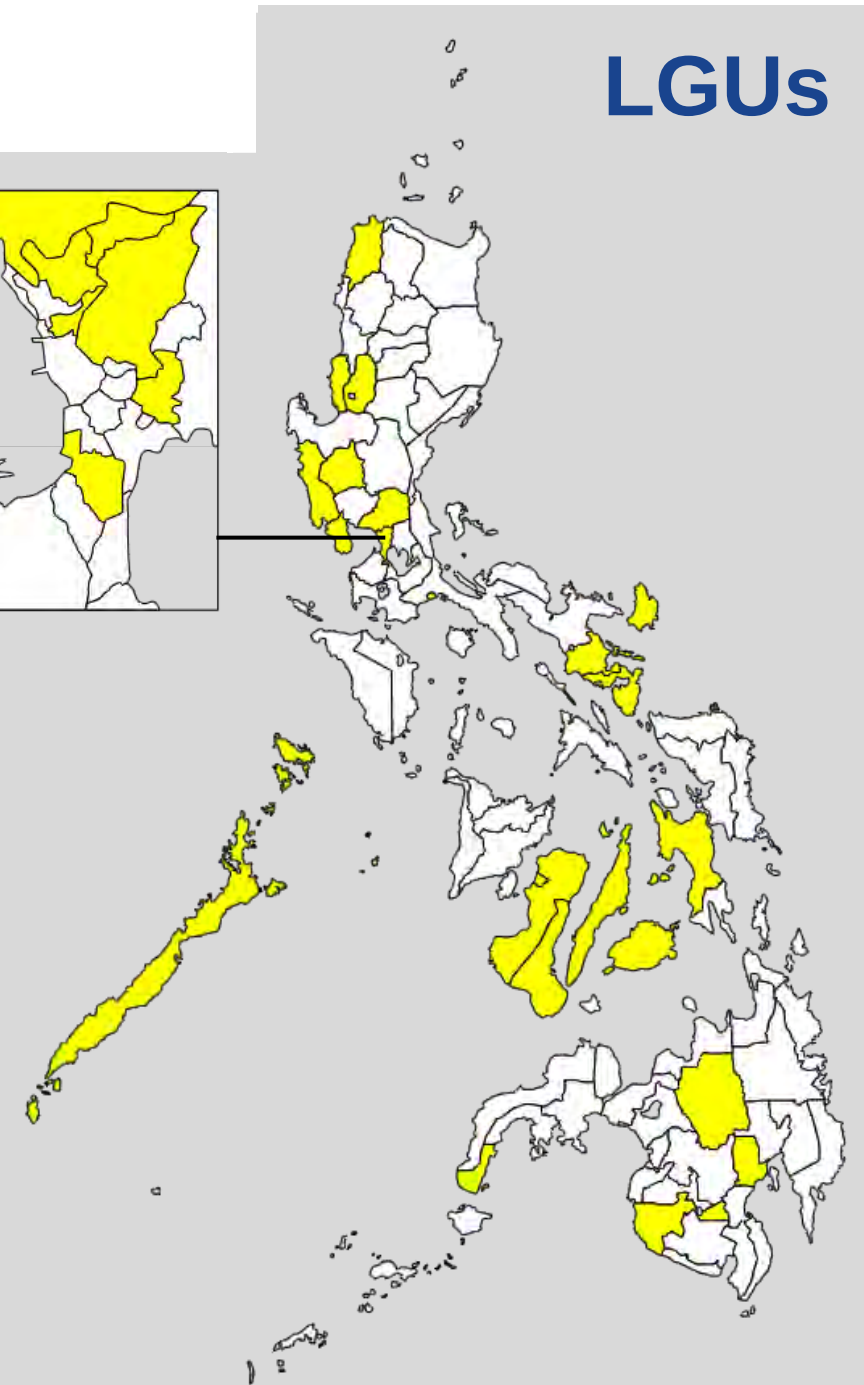
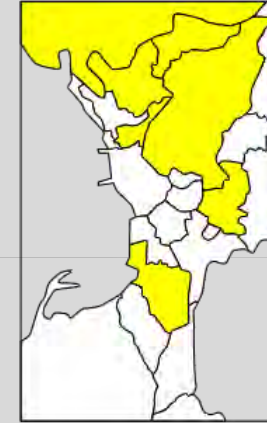


Pilot Agencies/LGUs

Central Agencies

DICT
OCD
DILG
DPWH
DSWD
DTI
MMDA
PAGASA
PHIVOLCS
PNP
BFP

Luzon	Ilocos Norte Province
	Benguet Province
	La Union Province
	Tarlac Province
	Bataan Province
	Sorsogon Province
	Baguio City
	Olongapo City
	Pasig City
	Caloocan City
	Parañaque City
	Quezon City
	Valenzuela City
	Lucena City
	Legazpi City
Visayas	Puerto Princesa City
	Virac Municipality
	Bustos Municipality
	Municipality of Bacacay
	Leyte Province
	Bohol Province
	Negros Occidental Province
	Tacloban City
	Bacolod City
Mindanao	Bago City
	San Carlos City
	Cebu City
	Municipality of Calubian
	Sultan Kudarat Province
	Malaybalay City
	Davao City
	Zamboanga City



LGUs

DSWD



Quezon City



Caloocan City



Olongapo City



Target Customers

Public Sector



OCD



PAGASA



MMDA



DILG



Many Local Government Units



Private Sector



SAN MIGUEL CORPORATION



Newsroom



We aim to achieve

DRRM DX

together with DICT



BIG DATA



TECHNOLOGY



AUTOMATION



INTERNET OF
THINGS



NETWORKING



COMMUNICATION



AI

Resilience is the foundation of economic development.

Towards a **bright** future!

Spectee

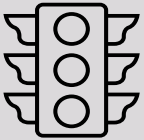
Integrates various information



Social Media



Weather Data



Traffic Data

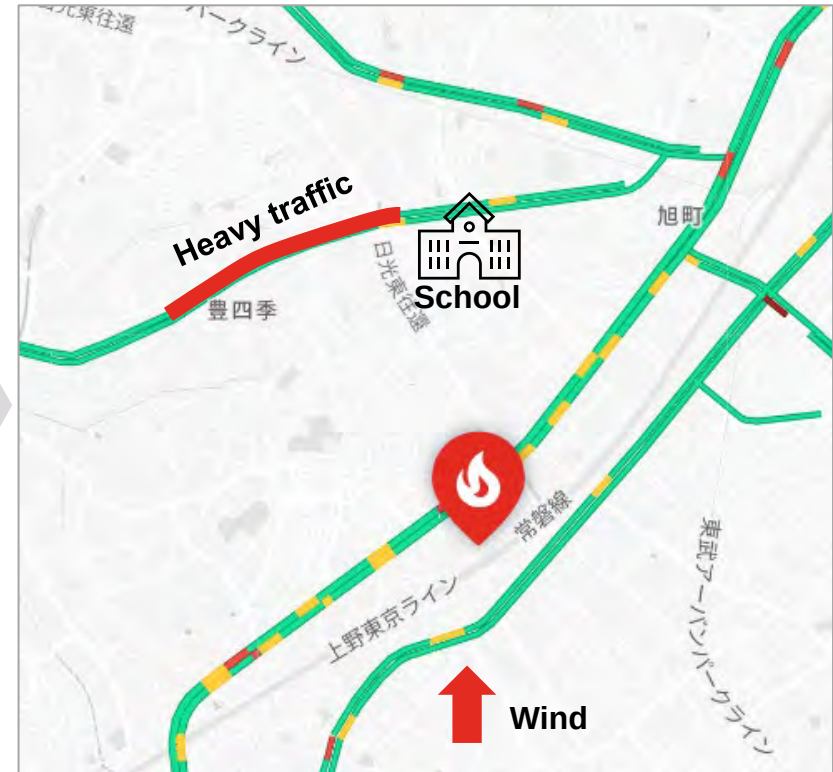


A fire at
a chemical
factory

The wind is
from south

Westbound
is congested

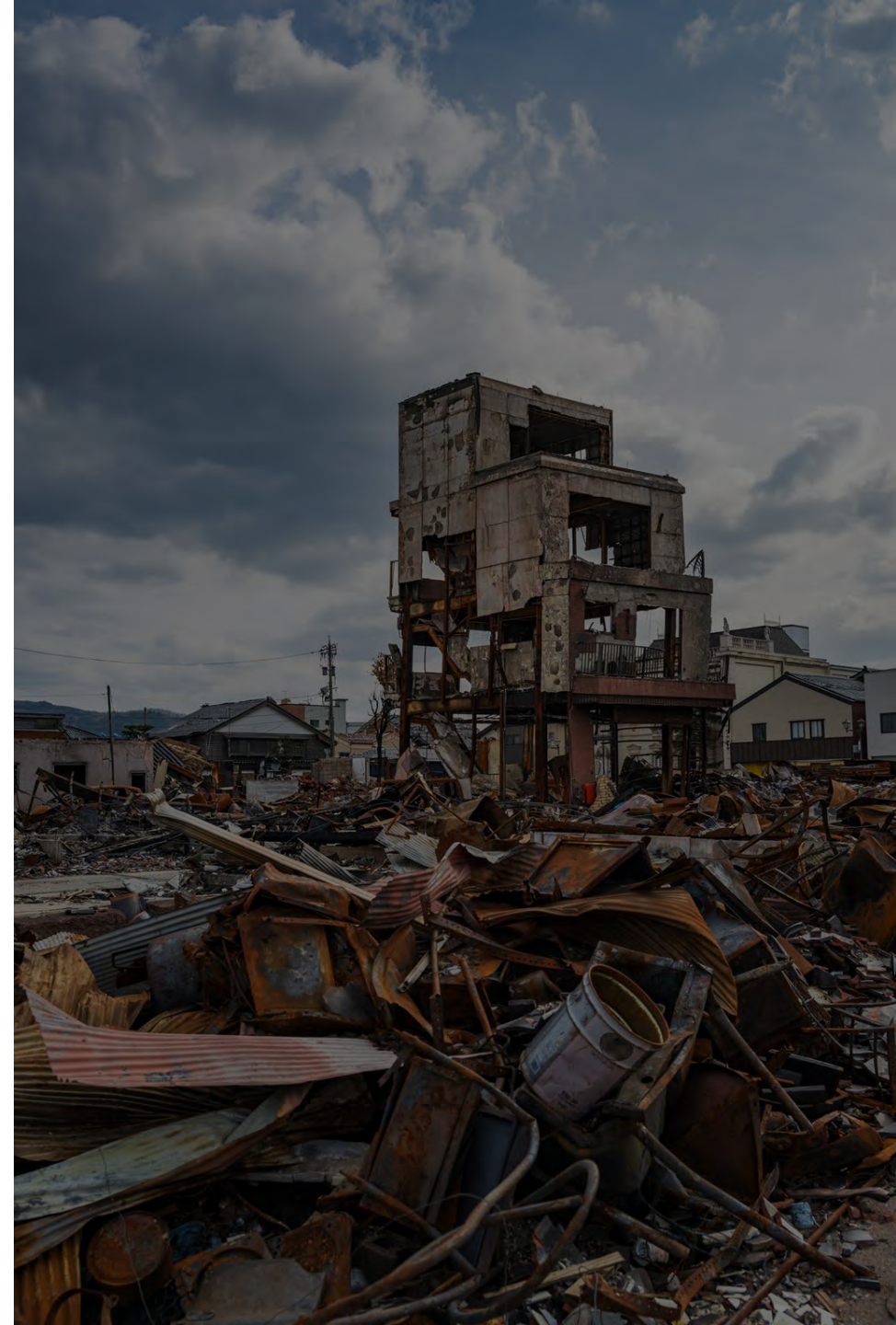
Need to evacuate students to east



For critical decision makings

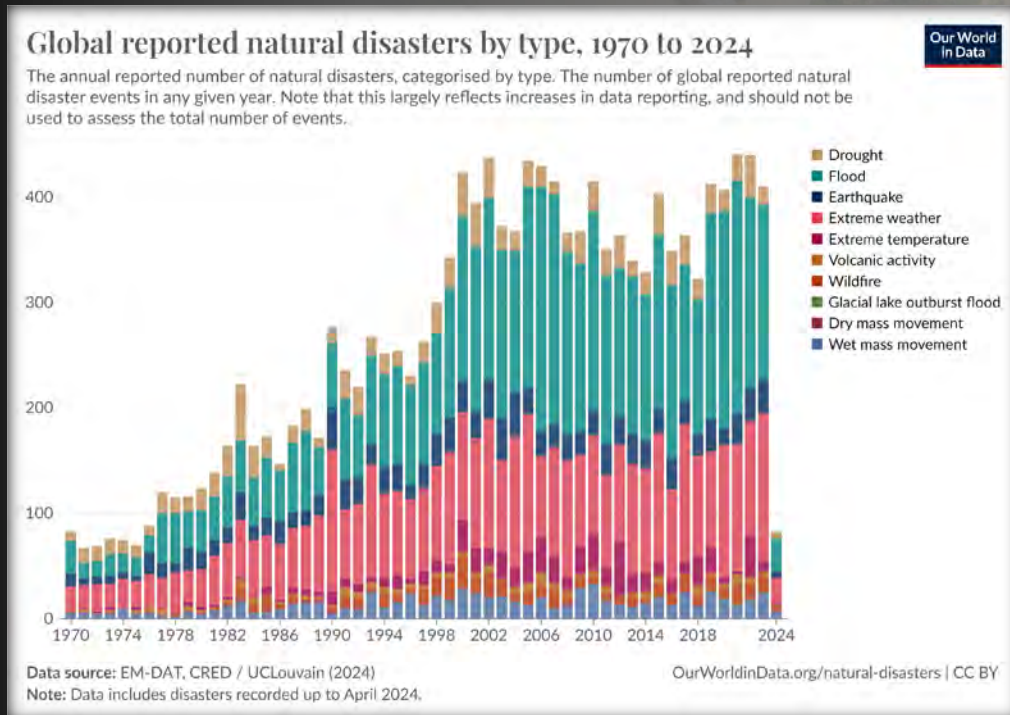


Flood Estimation / Flood Prediction



Flood matters.

**Flooding is a progressive disaster
thus technology can help mitigate its damage.**



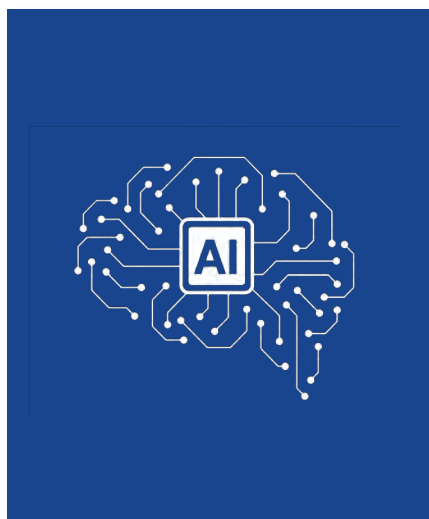
Flood Estimation Technology

Estimates flooded area in **real-time** using image posted on Social Media

An Image on Social Media



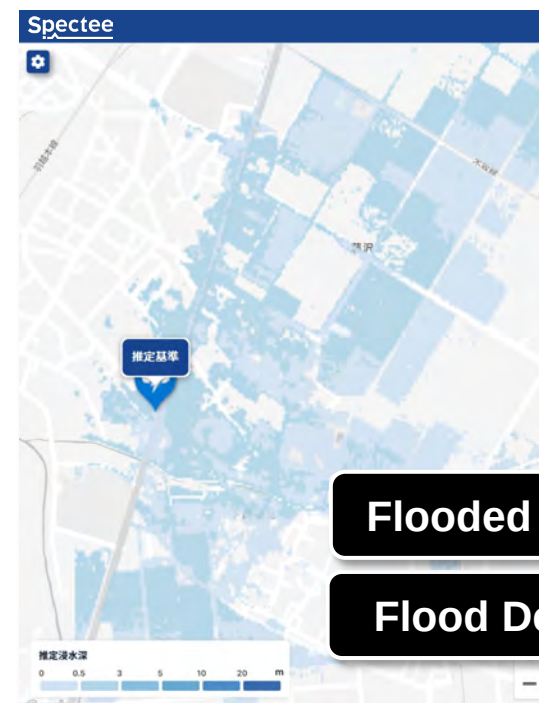
AI Analysis



↑ Input

- ✓ Terrain Data
- ✓ Rainfall Data

Real-time Flood Estimation



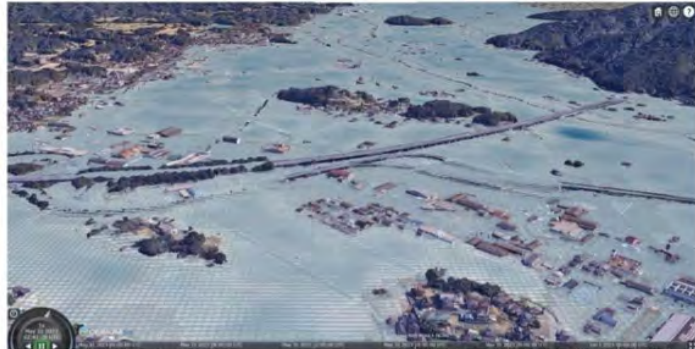
Flooded Area

Flood Depth

Automatically
generated
within 10 mins

Flood Estimation Technology

3D Visualization



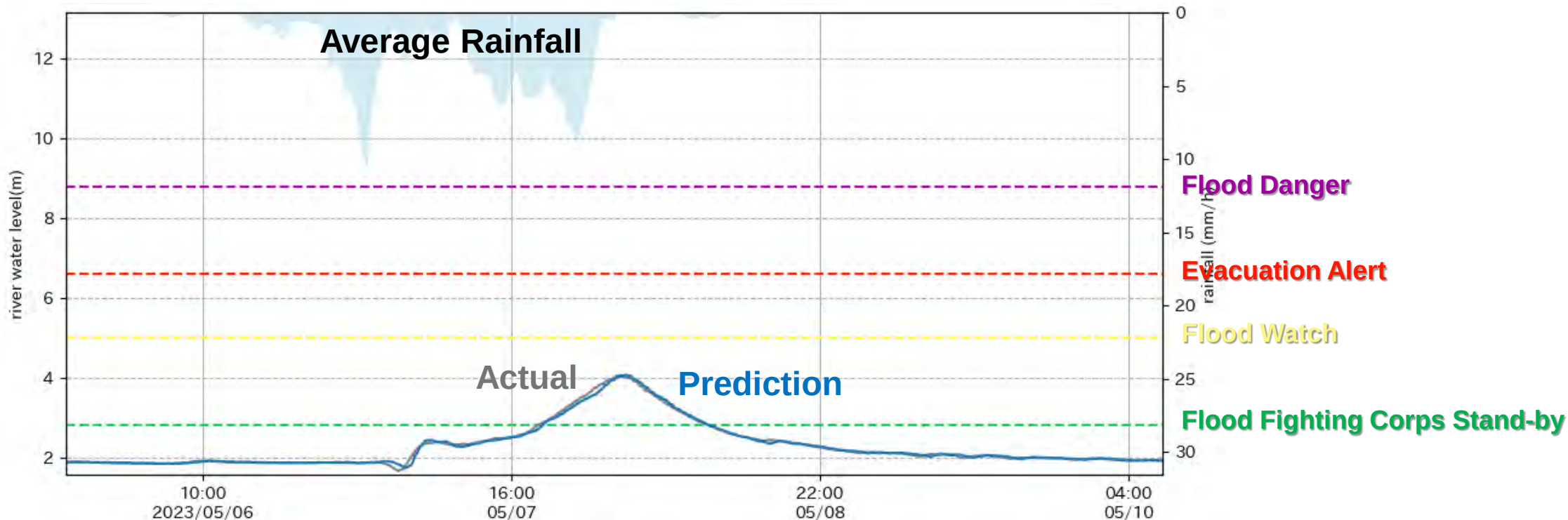
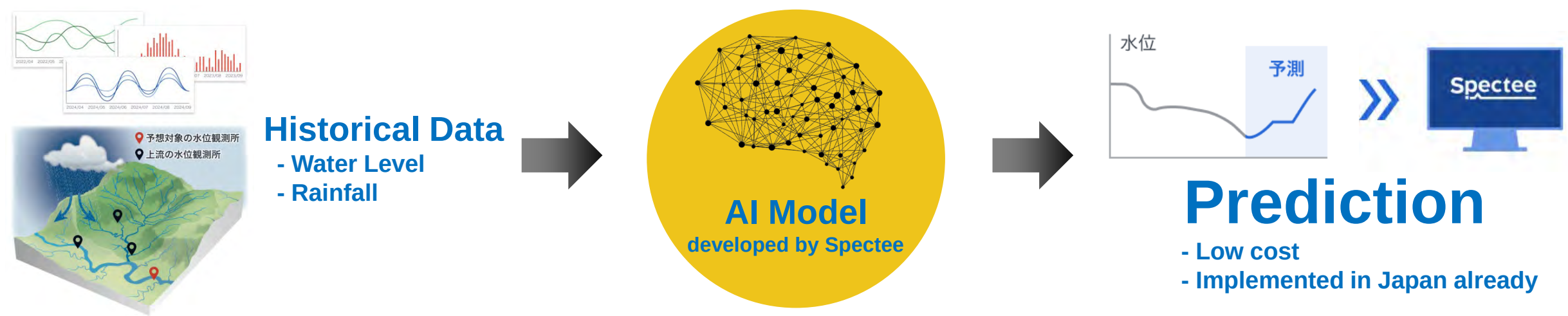
Simulation of Flood Expansion



Collaboration with Hitachi's
DioVISTA, flood simulator

HITACHI
Inspire the Next

AI-based Water Level Prediction



Private Sector

Purposes of Use



Protect the safety of customers/employees



BCP : Business Continuity Planning



Supply Chain Risk Management



Use Cases

AKM Fire: 2020 was Almost Over, Then Disaster Struck Again

NOVEMBER 4, 2020 5:17 PM EDT — 6 COMMENTS (EDIT)

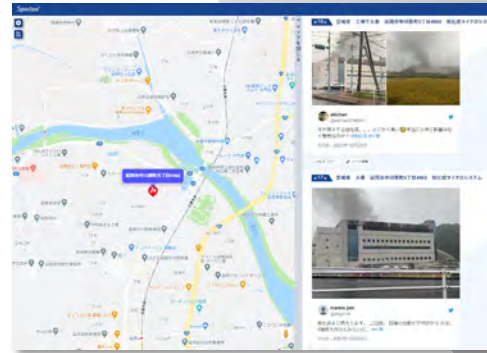


AKM Factory Fire (Click to enlarge)

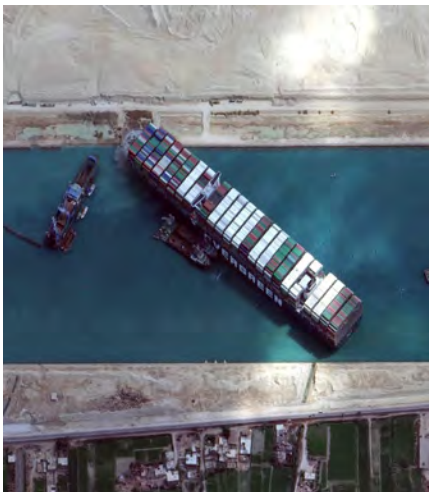
Massive AKM Factory Fire in Japan to Disrupt Global Supply of Critical Digital ICs

Just when you thought 2020 was almost over and the COVID calamity and its associated disasters were mostly behind us, a source tipped Strata-gee off to a major new disaster that will almost surely cause a significant disruption in the 2021 supply of those critical A/V products we all use/sell/install every day. You may not be aware of this AKM fire story now, but we are all facing what will likely be another major supply chain headache in the near future.

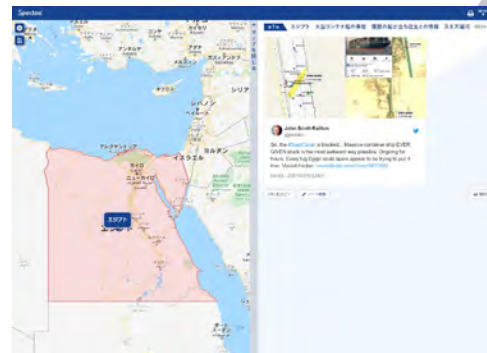
A Fire in
a semiconductor Factory



Spectee delivered
10 hrs before mass media



A Container Ship
blocked the Suez Canal



Spectee delivered
12 hrs before mass media

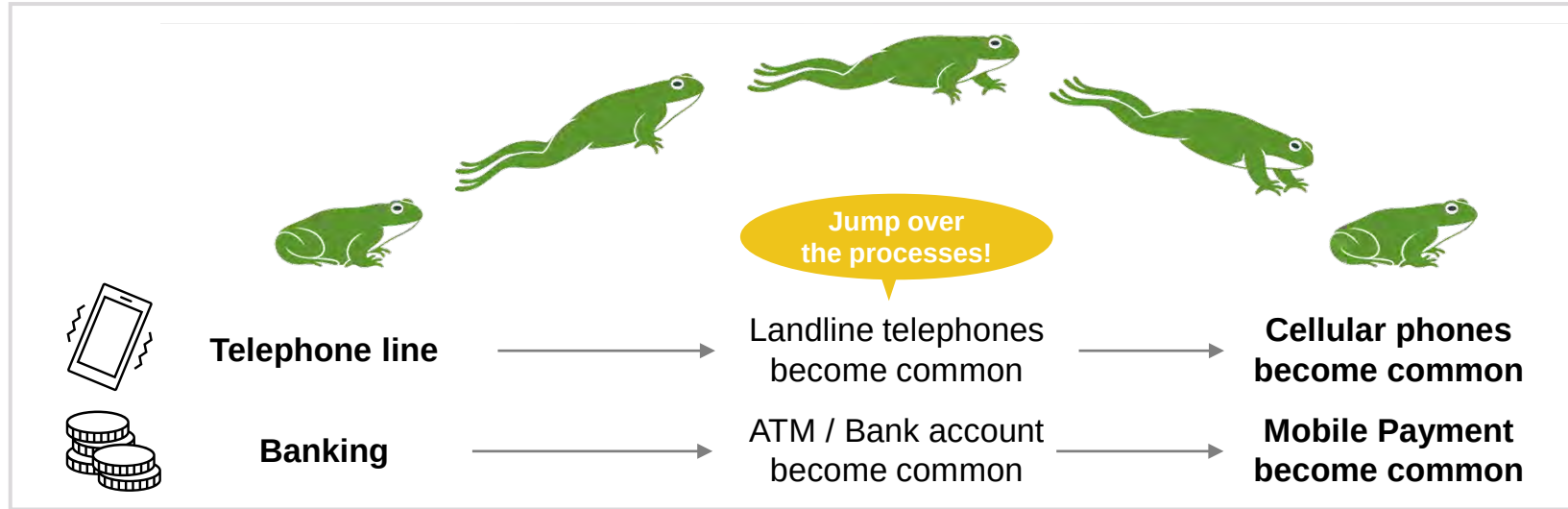
Secure
inventory
for immediate
production

Arrange
an alternative
production

Secure
alternative
Means of
transportation

Update
customers
about
the delay

Leapfrog Development



More resilience
Less cost



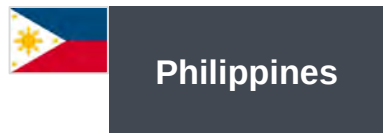
R&D for long years

Large scale IT system
(Expensive / On Premise)



+

Spectee Pro
(Not expensive / on Cloud)



Jump straight away!



Spectee: Data Driven Crisis Management Platform

