Introduction of Disaster Prevention System

Oct. 2019 FUJITSU LIMITED Yoshifumi Kasama



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Human Centric Innovation Driving a Trusted Future

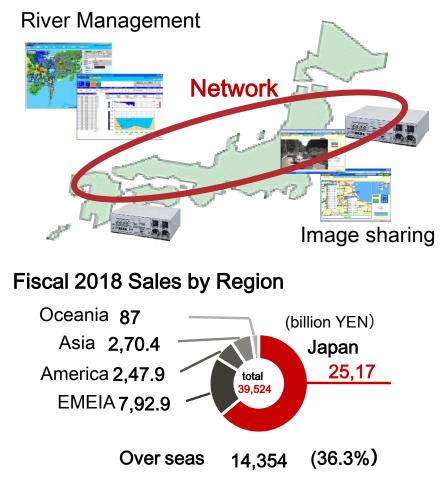
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Corporate Profile



Since the 1960s, we have provided solutions for the river and disaster prevention fields.

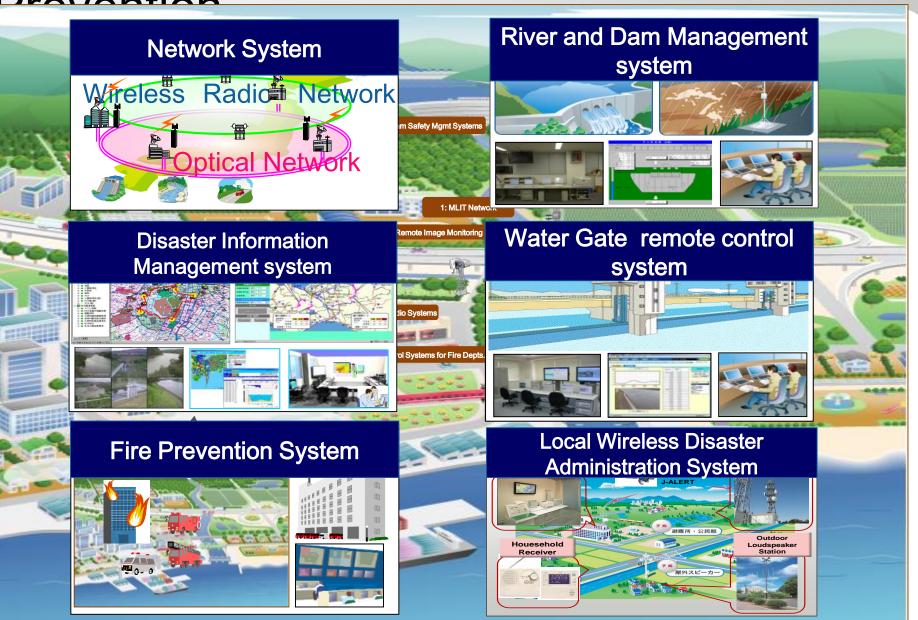
President	Takahito Tokita					
Established	1935					
Business Area	Technology Solutions Ubiquitous Solutions Device solution					
Employees	132,138 (More than 100 countries around the world)					
Revenue	3,952.4 billion yen					
Disaster prevention Solutions	Solutions: Disaster prevention network River information Dam discharge control Disaster management system etc. Delivered to: Ministry of Land, Infrastructure, Transport and Tourism, Prefectures, Municipalities					



Fujitsu's approach to Disaster

Dravantian





Disaster Management System



Centralized management of the disaster situation and support rapid response

Before	 ✓ Disruptive reporting of disaster information (Phone, fax, WhatsApp) ✓ The overall damage situation is unknown.
Problem	 ✓ Delay and Confuse due to message game ✓ It takes time to grasp the whole situation. ✓ No one can understand the disaster situation in other
	areas
After the system is installed	 Quickly tabulate and centrally manage data input into the system Situation sharing from anywhere by disaster prevention center or PC

Disaster Management System



Command Control Center

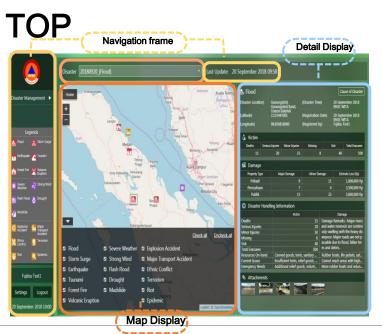


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Summary

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				No.				-						





Smart Phone APP

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		DIMS APP	Logout
		Disaster Type List	
	Flood	Storm Surge	Earthquake
	Tsunami	Forest Fire	Volcanic Eruption
	Severe Weather	Strong Wind	Flash Flood
	Drought	Mudslide	
8	Explosion Accident	Major Transport Accident	Ethnic Conflict
	Terrorism	Biot	Epidemic

	DIMS AF	P Logout
	Disaster Status Reg	istration
required		
	General Informa	
User ID	test2gisample	fujitsu.com
Registration Date	17 September	2018 14:50 WITA
	Regency*	
Disaster Location*	District/ Village*	
	Latitude 3	5.985805000
	Longitude -1	18.254111667
Disaster Type	Tsunami	
Disaster Time*	Date*	17 September 2018
	Time*	C 14:50 WITA
Viotim*	Victim Not exist	O Exist
	Damage	
Damage*	Not exist	O Exist
	isaster Handling Int	
Victim*	Not exist	O Exist
Damage*	Not exist	O Exist
	Attachments	
	0	

River Management System



Water level and rainfall information is collected
Grasp the status of rivers
Water level prediction is carried out.

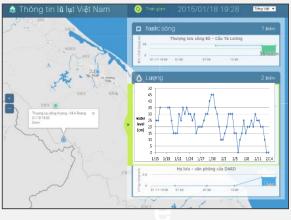
Before	 ✓ The water level of the whole river is unknown. ✓ Changes in water level are not known over time.
Problem	 Don't know where the danger of flood is approaching. Inability to provide appropriate evacuation information in a timely

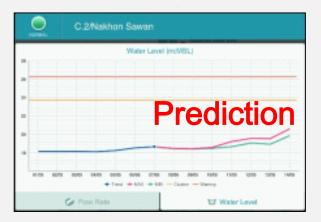
After the system is installed Enhance the water level observation system quickly at low cost. Simple water level prediction is possible.

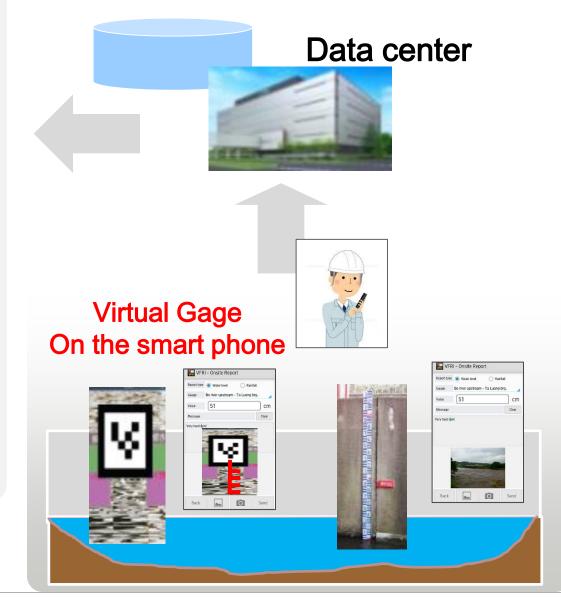
River Management System



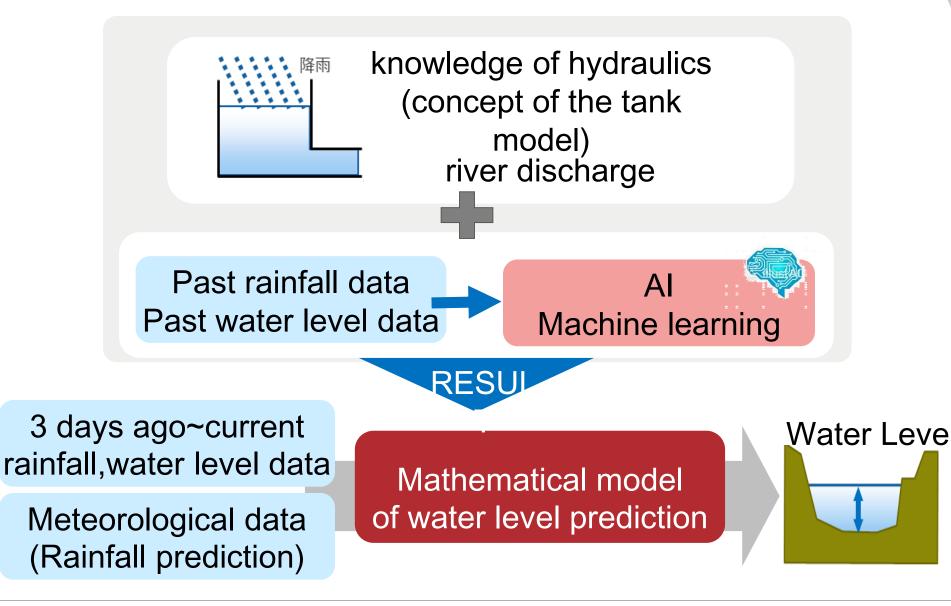
Management Display







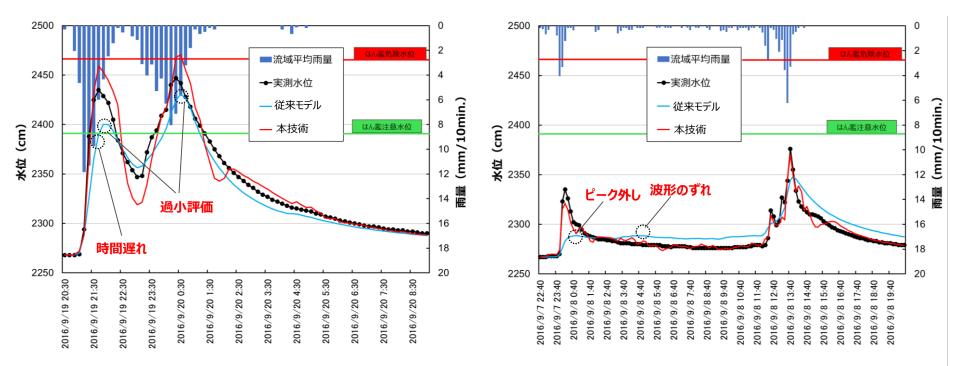
Water Level prediction by using Al



Water Level prediction by using Al

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Comparison with the prior art



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