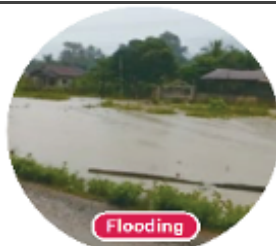


Company Information	Company Name	METAWATER Co.,Ltd.				Industry	Engineering	
	Website	https://www.metawater.co.jp/eng/						
Technology / Solution	Tech/Solution Name	Mobile Ceramic Membrane Filtration Equipment						
	Which field does the tech/solution contribute to?	Quality Infrastructure and Smart City						
	"Quality Infrastructure"	Road/Bridge	☒	Port	☒	Airport	☒	
		Water and Sewage	☐	Power generation /Energy	☒	Railroad	☒	
		Housing	☒	ICT	☒	Others (Free Writing)		
	"Smart City"	Traffic/Mobility	☒	Energy	☒	Disaster Prevention	☐	
		Infrastructure Maintenance	☐	Community Activation /Sightseeing	☒	Health/Medical	☐	
		Agriculture, Forestry and Fisheries	☒	Environment	☐	Security	☒	
		Logistics	☒	Urban Planning /Maintenance	☐	Others (Free Writing)		
	Key words	Mobile water purification system, Supplying water for small and scattered community, <u>Supplying safe drinking water during natural disasters</u>						
Overview of the tech/solution	This is a mobile water purification system equipped with ceramic membranes. It can supply purified water to disaster-stricken areas, such as those affected by flooding, and to rural areas without water treatment facilities. This system is effective in small communities, during natural disasters, and in situations where water demand surges suddenly, such as in refugee camps. It is also suitable for use as a temporary alternative when a water purification system needs to be replaced.							
Description of the tech/solution	Usage of Mobile Ceramic Membrane Filtration Equipment 1 Temporary usage For temporary use during disasters, earthquakes, etc. 2 Small-scale water purification plant For small and scattered communities. 3 Disaster response For post-disaster, natural disasters (e.g., earthquakes, floods, etc.). 4 Replacement of polluted water source Draws naturally clean water from rivers and provides clean drinking water after water purification. 5 Addressing sudden water demand (e.g., refugee camps) For areas expecting a rapid increase in water demand, such as refugee camps. Truck-mounted Type - Mountable on a 4-ton truck. - Over 30 units delivered. Trailer Type - Trailer type can be towed by any locally procured truck (except for SUVs). - Single containers can be towed by 30T. Container Type (CPCM) - Storable inside a 20ft container. Compact Type - Loadable on a helicopter. - Safe drinking water supply on remote islands.							
Global Expansion	Asia	Already developed	Africa	Already developed	Middle East	Consider if requested	Europe	Consider if requested
	Russia	Consider if requested	Oceania	Considering development	North America	Consider if requested	Mid/South America	Considering development

	Country	Laos																
	City	Khammouane Province																
	Project name	Japan's Official Development Assistance (ODA) Grant Aid																
	Project Overview	<Use Case> Support Period : August 2023 Providing drinking water and water for domestic use to average of approx. 17,000 people per week as a emergency water supply measures for heavy rain/flood disaster damage.																
Case Study	Discription of the project	 																
	Website of the project	https://www.metawater.co.jp/eng/news/2023/12/mobile-ceramic-membrane-filtration-equipment-to-support-water-supply-in-flood-affected-areas-of-laos.html																
	SDGs	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
																		
Note (Award etc.)	Installation Country : Malawi, Kenya, Cambodia, Togo, Lesotho, Côte d'Ivoire, Myanmar, Madagascar, Laos, Mozambique, Japan Project examples : Rural water supply, For disaster response, Refugee camp water supply																	