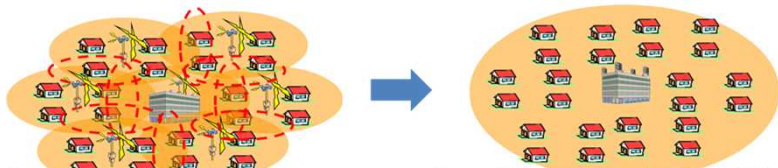
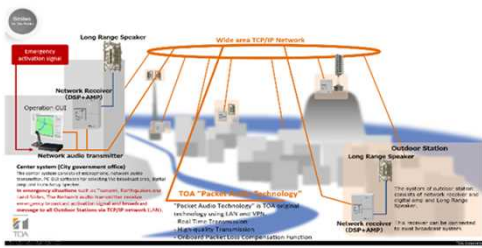



Company Information	Company Name	TOA Corporation			Industry	Manufacturing / System Integrator		
	Website	https://www.toa.jp/						
Technology / Solution	Tech/Solution Name	System Design and supply for Early Warning System based on Long Range Speaker						
	Which field does the tech/solution contribute 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	Early Warning System, Outdoor PA system						
Overview of the tech/solution	<p>*Design of Speaker deployment based on Long Range Speaker which enables avoid low-inteligibility caused by duplication of sound from conventional outdoor speakers. And supply of such Long Range speaker system.</p> <p>*Design of wide area Early Warning System using existing network infrastructure. And supply of relating equipment like audio amplifiers, Digital Signal Processors, Audio transmitters/receivers or Control software.</p>							
Discription of the tech/solution	<p>Improving from "It's ringing but I can't hear"</p> <p>Coverage distance of conventional speakers are approx. 200-300m. It is necessary to install large number of locations to cover broadcast area. This causes sound overlapping which decrease sound clearness. Long Range Speakers enables broadcasting with more clear sound as it covers wider area by single unit.</p>  <p>And TOA is capable to design, supply the system connecting multiple location via existing LAN, VPN infrastructure. The system enables operator to check the status of remote location from central operation room. This will realize quick repair response. TOA is also able to deveop/supply interface between other system like disaster monitoring system.</p>  <p>Long Range Speaker</p>  <p>*Various size & Type are available depending on size of broadcast area</p>							
Glocal Expansion	Asia	Already developed	Africa	Consider if requested	Middle East	Consider if requested	Europe	Consider if requested
	Russia	Consider if requested	Oceania	Considering development	North America	Consider if requested	Mid/South America	Consider if requested

Case Study	Country																
	City																
	Project name																
	Project Overview																
	Discription of the project																
Website of the project																	
SDGs	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Note (Award etc.)																	