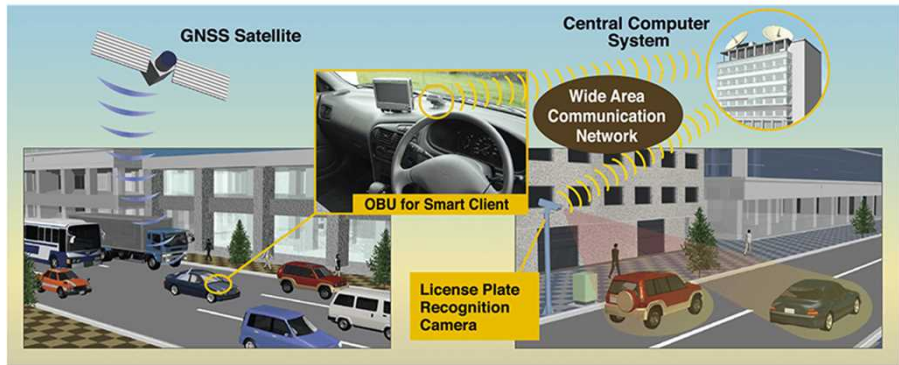


Company Information	Company Name	Mitsubishi Heavy Industries Machinery Systems, LTD.		Industry	Manufacturing / System Integrator			
	Website	https://www.mhi-ms.com/						
Technology / Solution	Tech/Solution Name	Next-generation ERP system						
	Which field does the tech/solution contribute to?	Quality Infrastructure and Smart City						
	"Quality Infrastructure"	Road/Bridge	<input checked="" type="checkbox"/>	Port	<input checked="" type="checkbox"/>	Airport	<input checked="" type="checkbox"/>	
		Water and Sewage	<input checked="" type="checkbox"/>	Power generation /Energy	<input checked="" type="checkbox"/>	Railroad	<input checked="" type="checkbox"/>	
		Housing	<input checked="" type="checkbox"/>	ICT	<input type="radio"/>	Others (Free Writing)		
	"Smart City"	Traffic/Mobility	<input type="radio"/>	Energy	<input checked="" type="checkbox"/>	Disaster Prevention	<input checked="" type="checkbox"/>	
		Infrastructure Maintenance	<input checked="" type="checkbox"/>	Community Activation /Sightseeing	<input checked="" type="checkbox"/>	Health/Medical	<input checked="" type="checkbox"/>	
		Agriculture, Forestry and Fisheries	<input checked="" type="checkbox"/>	Environment	<input checked="" type="checkbox"/>	Security	<input checked="" type="checkbox"/>	
		Logistics	<input checked="" type="checkbox"/>	Urban Planning /Maintenance	<input checked="" type="checkbox"/>	Others (Free Writing)		
	Key words	GNSS Satellite, OBU, Charging,						
Overview of the tech/solution	<p>The next-generation ERP system collects fees by designating a charging location, or virtual gantry, on a digital map. The positioning information of passing vehicles is monitored over the GNSS wide area communication network without relying on physical gantries.</p> <p>In this system, the on-board unit in the vehicle is automatically charged a fee when the vehicle passes the virtual gantry. The cost for construction is cut to almost zero, as no land needs to be acquired for physical infrastructure.</p>							
Discription of the tech/solution	<p>Where previous system relies on communication between OBU and gantries, the Next-generation ERP system pinpoints the vehicle's position by satellite signals.</p> 							
Glocal Expansion	Asia	Already developed	Africa	No plan to develop	Middle East	No plan to develop	Europe	Considering development
	Russia	Consider if requested	Oceania	No plan to develop	North America	Considering development	Mid/South America	Consider if requested

	Country	Singapore																
	City	Singapore																
	Project name	Next Generation Electronic Road Pricing System [TR150]																
	Project Overview	The next-generation ERP system collects fees by designating a charging location, or virtual gantry, on a digital map. The positioning information of passing vehicles is monitored over the GNSS wide area communication network without relying on physical gantries.																
Case Study	Discription of the project	<p>System Overview</p>																
	Website of the project	<a href="https://www.mhi-ms.com/research/sip/highlight/column_0003.html">https://www.mhi-ms.com/research/sip/highlight/column_0003.html</a>																
SDGs	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Note (Award etc.)	Value-added Services for Motorists 1. Equitable Charging 2. Prior Alert to Motorists for Charging 3. Improved Convenience																	