
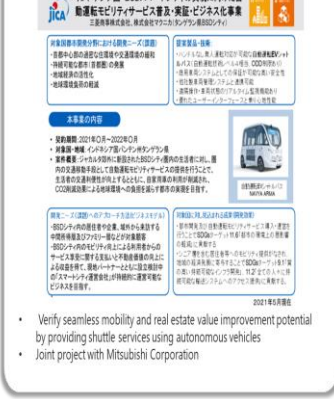


Company Informatin	Company Name	MACNICA, Inc.			Industry	Trading / Service		
	Website	https://www.macnica.co.jp/en/company/						
Technology / Solution	Tech/Solution Name	Autonomous driving, Data platform, Smart energy						
	Which field does the tech/solution contribute to?	Quality Infrastructure and Smart City						
	"Quality Infrastructure" Which category can the tech/solution be applied to?	Road/Bridge	<input type="radio"/>	Port	<input type="radio"/>	Airport	<input type="radio"/>	
		Water and Sewage	<input checked="" type="radio"/>	Power generation /Energy	<input type="radio"/>	Railroad	<input type="radio"/>	
		Housing	<input type="radio"/>	ICT	<input type="radio"/>	Others (Free Writing)	0	
	"Smart City" Which problem can the tech/solution solve?	Traffic/Mobility	<input type="radio"/>	Energy	<input type="radio"/>	Disaster Preventio	<input type="radio"/>	
		Infrastructure Maintenance	<input type="radio"/>	Community Activation /Sightseeing	<input type="radio"/>	Health/Medical	<input type="radio"/>	
		Agriculture, Forestry and Fisheries	<input checked="" type="radio"/>	Environment	<input type="radio"/>	Security	<input type="radio"/>	
		Logistics	<input type="radio"/>	Urban Planning /Maintenance	<input type="radio"/>	Others (Free Writing)	0	
	Key words	MaaS, Dx, Smart Energy						
Overview of the tech/solution	<p>-Autonomous driving solution: Provide one stop solution from edge vehicle, self-driving algorithm to cloud remote monitor, remote control, fleet management system.</p> <p>-Use mobility data platform to provide Infrastructure CBM and AI based data utilization.</p> <p>-Realize optimal use of energy by visualizing energy mainly for electric power and predictive control of each resource.</p> <p>-Next-generation power storage battery : 100% recyclable products made of water, salt and iron. Continued use for 25years and capability of 12 hours continuous discharge.</p>							
Discription of the tech/solution								
Glocal Expansion	Asia	Already developed	Africa	Consider if requested	Middle East	Consider if requested	Europe	Consider if requested
	Russia	Consider if requested	Oceania	Consider if requested	North America	Consider if requested	Mid/South America	Consider if requested

Case Study	Country	Thailand / Indonesia																
	City	Amata City / BSD City																
	Project name	ASEAN Smart City Conference/JICA SDGs Support Project																
	Project Overview	<p>ASEAN Smart City Conference: - Implementation of technology and operation verification in industrial parks using autonomous driving technology (Yamaha golf cart base) - Expansion of autonomous driving-related networks through participation in events - We are currently discussing multiple autonomous driving projects after this event.</p> <p>JICA SDGs Support Project: -POC project to realize a mobility service business utilizing autonomous vehicles. -The aim is to realize seamless movement within smart cities and to contribute to the improvement of real estate value in development areas. -This project was chosen as a joint proposal project with Mitsubishi Corporation (supported by Oriental Consultants Global as a Japanese consultant).</p>																
Discription of the project	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid gray; padding: 5px; width: 45%;"> <h3>ASEAN Smart City Conference Thailand Amata industrial park (2019)</h3>  <ul style="list-style-type: none"> Implementation of technology and operation verification in industrial parks using autonomous driving technology (Yamaha golf cart base) Expansion of autonomous driving-related networks through participation in events We are currently discussing multiple autonomous driving projects </div> <div style="border: 1px solid gray; padding: 5px; width: 45%;"> <h3>JICA SDG s Project Indonesia BSD City (2021~)</h3>  <ul style="list-style-type: none"> Verify seamless mobility and real estate value improvement potential by providing shuttle services using autonomous vehicles Joint project with Mitsubishi Corporation </div> </div>																	
Website of the project	https://www.macnica.co.jp/business/maas/events/133253/ https://www.jica.go.jp/chotatsu/bvs/2020/ku57pq00002m1arz-att/201210_result_05.pdf																	
SDGs	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Note (Award etc.)	0																	