The Toyota Mobility Foundation, Kerthi Bali Santhi, Bali Provincial Government and Gianyar Regency Government will commence operations of its trial xEV Shuttle Service and Dynamic Bus Schedule Displays on September 22 in Ubud, Bali

Ubud, Indonesia (September 19, 2023) - The Toyota Mobility Foundation (TMF), a non-profit Foundation established by Toyota Motor Corporation, officially signed a Memorandum of Understanding with Kerthi Bali Santhi, a regional public company, with the support from the Bali Provincial Government and the Gianyar Regency Government for its Sustainable Mobility Advancing Real Transformation (SMART) @ Ubud Program, and will officially begin the 6-month trial of its two mobility solutions – a Smart xEV Shuttle Service and Dynamic Bus Schedule Displays – on 22 September 2023[1].

Details of Trial Implementation

After the successful launch event on August 24, 2023, Toyota Mobility Foundation has closely coordinated with local stakeholders, securing their commitment to the program, while gaining the necessary approvals to commence operations. Based on the efforts of all stakeholders, visitors and residents of Ubud alike will be able to experience the following mobility solutions that TMF will be implementing free of charge:

(1) An on-demand fixed route xEV shuttle service operating from 6:00 AM – 11:00 PM in the Central Ubud Area, with multiple stops all located within a 10-minute walking distance from key tourist destinations and popular local sites. Several service stops are linked with the existing Trans Metro Dewata route, allowing for convenient travel in and out of Ubud through inter-connected services. 10 vehicles – 5 battery electric vehicles and 5 hybrid electric vehicles – will be available for the duration of the trial, from 22 September 2023 to 29 February 2024. The app can be downloaded from the QR code below:

Figure 1: QR code for Smart xEV Shuttle @ Ubud App

(2) Dynamic Bus Schedule Displays placed along selected high-traffic bus stops within the Trans Metro Dewata Route, providing real time visualization of bus schedules for commuters allowing for greater convenience and planning certainty, especially when used in conjunction with the preceding on demand xEV shuttle solution.
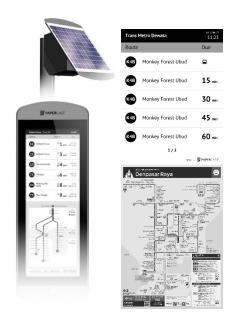
Figure 2 Left Image: Digital signage to be used for trial

Figure 3 Right Image: Content of digital signage - Estimated time arrival

(Provided by Papercast)

Plans Post-Trial

Throughout the trial, the Toyota Mobility Foundation will take proactive steps to work and coordinate closely with the local community to ensure the best possibility of service continuity even after the trial ends.

The service launch will also be followed by capacity-building initiatives for the Ubud populace, which in conjunction with the results of the trial implementation, will be used to develop concrete recommendations to build sustainable and viable business models meant to benefit the local community and enhance the state of mobility in Ubud. Hence, even after the trial ends in February 2024, the two solutions could be continued by local successors that will be selected by the local community.

Background

This project marks the continuation of Toyota's involvement as an electrified solution provider at the time of the G20 summit and is a showcase of its constant commitment to the Indonesian society. TMF selected Ubud in Bali, Indonesia as the ideal location for project implementation due to its prominence as a leading tourist destination, as identified by the Republic of Indonesia, in addition to its commitment to sustainability and its closed ecosystem being an ideal environment for trial implementations.

In addition, SMART@Ubud aligns with Bali's designation as a target zone for electrified vehicles and the broader objectives of Bali Province's 2026 electric mobility plan. Through the SMART@Ubud project, TMF seeks to understand the appropriate conditions and requirements to scale electrified vehicles. It understands that there are multiple pathways to electrification and aims to support the Bali government

in determining the ideal cases and archetypes for each powertrain, in order to make further progress towards the shared goal of decarbonization and green tourism.

The program, is co-organized by Deloitte Future of Mobility Solution Centre (Deloitte)[2] with the support of the Transport Department of Provincial Government of Bali and Toyota Indonesia.

About Toyota Mobility Foundation

The Toyota Mobility Foundation (TMF) was established in August 2014 by the Toyota Motor Corporation (TMC) to support the development of a more mobile society in which everyone can move freely. The Foundation underscores TMC's on-going commitment to continuous improvement and respect for people. It utilizes Toyota's expertise and technologies to support strong mobility systems while eliminating disparities in mobility. TMF works in partnership with universities, governments, non-profits, research institutions and other organizations, creating programs are aligned with the UN Sustainable Development Goals (SDGs) to address mobility issues around the world.

Moving forward, the Toyota Group will continue to utilize the technologies and know-how it has cultivated through its business activities as well as through collaboration with various partners, to promote activities in line with the concept of the SDGs (Sustainable Development Goals) set by the United Nations. Overall, the Toyota Group aims to contribute to building a society where all individuals and communities can live joyfully and prosperously.

Footnotes:

1) The Dynamic Bus Schedule Display will be deployed sequentially, starting with the devices that are prepared
2) Deloitte Future of Mobility (FoM) Solution Center, located in Singapore, addresses global mobility challenges, and develops new solutions and assets for the ecosystem as it undergoes an unprecedented transformation.

SDGs Targets related to the activity featured in this article:

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