



Virtual Acceleration Workshops on E-Mobility & Green Industrial Parks

(Organized as part of Korea 7th Green Roundtable events)

<i>BUSINESS MODEL DESCRIPTION</i>
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Pre-events Online Forum: 15-26 June 2020

Main events: 29-30 June 2020

Post-events Online Forum: 1-7 July 2020



Business Model Name: IoT 4 Mekong Delta

<https://gtck.re.kr/frt/en/main.do>

Lead (Organization/Company): Green Technology Center

Main contact point: Sue Kyoung (Jessie) Lee, Senior Researcher & Eunmi Lee, Researcher

Status: **Start-up**

The Green Technology Center (GTC) is a green climate technology policy research center in Korea that contributes to the realization of the creative economy through climate change technology policy and research on international cooperation, also contributing to Korea's national development by strengthening global leadership.

This project is to develop planning a real-time digital application for simulating flood situation for town / city system in Mekong Delta, Vietnam. The partnership proposes opportunities and challenges to install smart IoT sensors and actuators in the Mekong Delta, and establish a joint system utilizing the sensors to improve disaster forecast accuracy and response on-site. Through this project, human casualty could be decreased and also agricultural production can be protected with the increased disaster resilience. Also this application will help municipal government in urban planning as well as flood risk management and disaster preparedness in the context of climate change and trans-boundary water politics of Mekong River.

The goal of the project is to unlock market potentials of smart water management systems in Mekong Delta with a significant contribution to SDG's 2, 6 and 11 hereby paving the way for scaling-up the partnership

This will be achieved via three sub-goals

- SG1: To develop real-time digital application planning for simulating flood situation for Vinh Long city
- SG2: To develop commercialization plan to municipal governments in Mekong Delta to replicate the solution
- SG3: To engage relevant partners from Korea, Denmark, Vietnam and globally and taking steps towards scaling the partnership