

SmartMetro : Smart Metro Operations Enhancement through Data Analysis

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Quarterly SMARTMETRO Newsletter
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Activities under SmartMetro Project

Visit Airport Rail Link

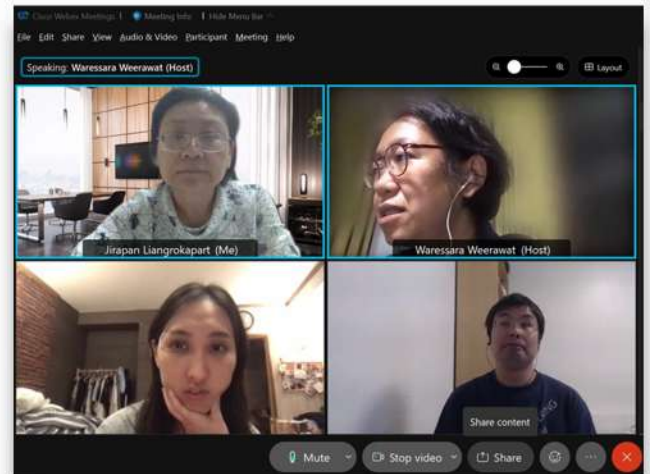
The SmartMetro research team of Mahidol University visited the State Railway of Thailand Electrified Train Company Limited (SRTET), the operator of Airport Rail Link and our project partner on Monday 21 December 2020. Mr. Suthep Panpeng, Director-general of the SRTET and his management team welcomed the Mahidol team. The plan for student internship, information sharing, and research projects were discussed during the meeting.



Progress Meeting

To update the situation and activities plan, the SmartMetro research team had meetings via online facilities on a regular basis. For the best of Project outputs and fulfil the objectives, the team agreed to send an official request to the Royal Academy of Engineering for project extension. Finally, the project has got an approval to be extended until 15 February 2022.

The research team had another meeting to update the progress of the project activities and plan online via Cisco Webex on Thursday 1 July 2021. Due to the COVID-19 restriction, the research team have to wait and see the situation. In September or October 2021, the team need to decide whether or not to resume the project activities as planned or to conduct some selected activities online. The plan for final report and the design of SmartMetro Professional Capacity Development course for Thai academic and rail industry were discussed. Dr. Taku also shared the Detailed Requirements document for Rail & Rail Systems Principal Engineer Degree Apprenticeship (L7) for information.



Student Internship at Airport Rail Link

Mahidol University had sent Mr. Kritchalat Ninkarnjanakun, a Ph.D. student of the Doctor of Philosophy Program in Logistics and Engineering Management to do an internship at the Airport Rail Link DEPO of the SRTET during January-February 2021. During the internship, the student visited various departments of SRTET through either online or onsite. The visits included the departments of Maintenance Management Center Section (MMC), Rolling Stock Section (RST), Depot Workshop Section (DWS), Telecommunications Section (COM), Signaling Section (SIG), Automatic Fare Collection System Section (AFC), Platform Door & Special Equipment System Section (PSE), Civil Infrastructure Section (CIV), Building Engineering System Section (BES), Track Work & Overhead Catenary System Section (TRW/OCS), and the Power Supply System Section (PSY). We are thankful to Mr. Sutep Punpeng, the Director-General of SRT Electrified Train Co., Ltd. (SRTET) and Mr. Jirasak Inthachote, the SRTET Maintenance Management Center Section Manager for the knowledge and experience sharing as well as the warm hospitality.

Research collaborations beyond SmartMetro project

The research initiation and collaborations of the Thailand and UK professors and researchers as well as the metro industries in both countries have a good impact on the overall improvement of the knowledge, learning from professionals, and the commitment for further collaborations among SmartMetro project partners which include Mahidol University, University College London, Thailand Department of Rail Transport, the State Railway of Thailand Electrified Train Co. Ltd., and the Transport for London. The collaboration will be extended to other universities and industries through the continuing project activities in the near future. It is obvious that the strong commitment and research focus on the rail system and its operations of the Mahidol staff has got more attention from organizations in Thailand and other countries to be partners and jointly work on future activities on the rail system.