Circular Economy Webinar EP I: Industrial Emission Monitoring
Thursday 30th September 2021 from 13.30 to 15.00

13:30 Welcome remarks on behalf of the Asian Institute of Technology, by the President, Dr. Eden Woon
13:35 Welcome remarks on behalf of the Embassy of Finland, by the Ambassador, H.E. Jyri Järviaho
13:40 Continuous Emission Monitoring Systems (CEMS) Implementation in Thailand
   Dr. Sirakan Leungsakul, Director, Air Pollution Section, Industrial Environment Technology Promotion Division
   Department of Industrial Works, Ministry of Industry, Thailand

13:50 Modern Technology for Industrial Air Pollution Monitoring
   Dr. Prapat Pongkiatkul, Head of Department, Faculty of Engineering, King Mongkut’s University of Technology
   Thonburi, Thailand

14:00 Development Milestones and Learnings from Finland - Trusting the Emission Results: QA Process for CEMS in
   Finland & Case Study: Capacity Building for Emission Measurements in India
   Dr. Tuula Pellikka, Principal Scientist, Emission Control, VTT Technical Research Center of Finland Ltd.

14:15 Case Study: W2E plant – Fortum Waste Solutions Oy, Finland
   Minna Kaila, R&D Manager (W2E, CE), Fortum Waste Solutions Oy

14:25 Panel Discussion and Q&A
   Dr. Prapat, Dr. Tuula, Ms. Minna, Dr. Sirakan,
   Dr. Ekbordin Winijkul, Assistant Professor
   Environmental Engineering & Management, AIT (Moderator)
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Introduction

Air pollution is said to be the world’s largest single environmental risk. 90% of world’s population breathes dirty air to some degree, and it causes more annual deaths than Covid19 pandemic has done so far. Main causes for air pollution are industrial, open burning and transportation.

Effective prevention and control of industrial emission is the way to reduce air pollution. But how to do it in practice? Finland has an excellent track record being among the least polluted countries in the world. VTT Technical Research Center of Finland has been one of the leading organizations in the development of industrial emission monitoring technologies, and has shared its experiences in capacity building projects in all continents. Also, Fortum Waste Solutions can show us a practical example, how one can dispose municipal-, industrial- and even hazardous waste in harmony with local environment and communities.

Likewise, the good air quality (or lack of it) has been a hot topic in Thailand during the last couple of years. Now, Thai Ministry of Industry has introduced new regulations requiring at least 600 factories to install Continuous Emission Monitoring Systems (CEMS) - monitored online by the Department of Industrial Works (DIW). DIW has now made its own roadmap to put these regulations in practice. This is very important step for effective enforcement of air pollution laws in Thailand.

This Webinar with the leading experts from Thailand and Finland aim to capture the robustness of these developments, sharing the experiences and lessons learnt. What are the major development challenges in the future and how we can tackle them? Join us on Thursday, September 30th !!!