



Australia Awards

Australia Awards Indonesia - Short Course Waste To Energy



The participants of the Waste to Energy Short Course attending the post-course closing event online.

Course Highlights:

- Pre-Course online workshop from 7th - 10th December 2020
- Five week online short course from 24th August - 24th September
- Post-Course workshop from 12th - 14th October 2021

The purpose of this course was to analyse commercial viability of different types of WTE operations, identify factors that affect viability, study the feasibility of PPP models, benchmark ways to attract private sector investment and explore policies and regulations that affect the planning, preparation and operations of WTE plants to respond to Indonesia's waste management challenges. The course also aimed to explore ways to improve inter-agency collaboration in determining what projects are funded and what financing/contracting models could be applied.

The Short Course saw 25 Indonesian participants from government departments NGO's and consultants complete a five week short course. The course enabled participants to share their experiences with Australian practitioners, network and consider the insights and perspectives of practitioners and professionals from both the Australian private and public sectors.

Leading the course was Griffith University's Associate Professor Prasad Kaparaju and Associate Professor Sunil Herat from the School of Engineering and Built Environment - Civil and Environmental Engineering.



Session Highlights and Site Visits

Due to the constraints related to the COVID-19 pandemic site visits were experienced virtually. Virtual site visits enabled participants to experience world class facilities while travel was not possible. These online site visits and presentations were conducted with industry leaders such as Ramboll and CSIRO. Participants were able to virtually visit the Kwinana Waste to Energy facility and use HoloLens technology to feel like they were walking through the facility.



The Kwinana Waste to Energy facility which was visited virtually by participants.

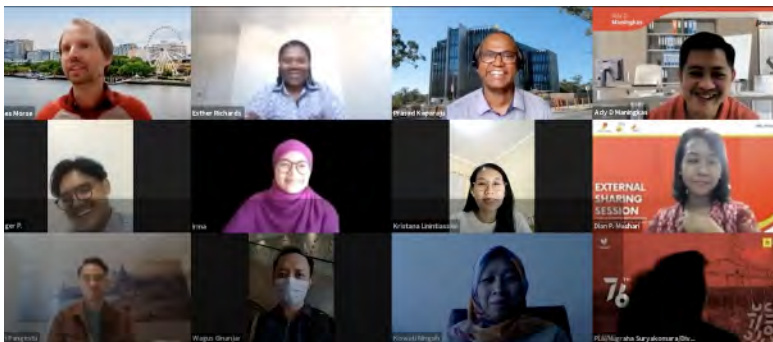
Participant Projects

Course participants were required to prepare a Award Projects research project, based on the learning outcomes. These projects were continuously reviewed and discussed with their group mentor throughout the course. These projects included;

- Conducting preliminary studies on landfill mining and RDF production
- Waste to Energy feasibility and finance studies
- Policy recommendations to expedite waste to energy implementation in Indonesia

Pre-Course Workshops

The pre-course workshop took place online between 7th - 10th December 2020. The pre-course was presented by Associate Professor Prasad Kaparaju and Associate Professor Sunil Herat and was designed to introduce the program objectives and expectations to the participants as well as provide them with context of the problem.



Participants engaging in conversation virtually with guest speaker Esther Richards.

Post-Course Workshops

The post-course workshop was undertaken online between 12th - 14th October 2021. The post-course provided a final opportunity for participants to review the content covered during the course and hone their presentation skills. The participants gave a formal presentation of their Award Projects, providing an opportunity for peer feedback and potential collaboration.

Testimonies

“ I am planning to work on some waste management related projects in the not-too-distant future. I believe the information gained in this course will benefit me in this competitive sector.”

“ What I got from the course will no doubt be beneficial for my future work, since Indonesia is now considering moving towards technology intervention into our solid waste management systems, and Waste to Energy is one of the most promising technology.”

“ I met with many government agency officials that I can now tap into anytime to consult for any areas in my project. ”

For further info about the program, please contact:

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