

City-to-City Collaboration between Bali Province and Semarang City in Indonesia and Toyama City

Bali, as a global tourist destination, has been promoting environmental programs and policies to improve the rapidly deteriorating environment. Among them, CO₂ emissions from transportation and air pollution are priority issues, and the province's comprehensive energy plan states that gas use in the transportation field and renewable energy development should be expanded. Therefore, in order to solve the problem by converting diesel fuel to natural gas, Bali Province requested the state-owned gas company (Pertamina Gas) to improve the supply infrastructure and requested Toyama city for policy and technical support since it has experience of fuel conversion for public transportation in Semarang city.



Bali province and Semarang City, Indonesia

- Traffic-derived CO₂ emissions and air pollution issues
- Renewable energy dissemination challenges



Toyama City

- SDGs Future City
- Carbon Zero City Statement and compact city policy
- Advanced utilization of hydrogen and renewable energy technologies
- Cooperation Agreement with Bali Province and Semarang City



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【Project overview】



【Activities】

- Signed MoU in collaboration with gas supply company Pertamina Gas
- Approx. 20 times online meetings
- Various coordination were made for the smooth implementation of the JCM equipment subsidy project (2019), and a gas station was opened in Semarang.
- Held an online tour of Toyama City and introduced hydrogen initiatives

【Outcome】

- Achieved the early opening of the Semarang City Gas Station by working with related parties.
- Received Expression of interest from Bali in using hydrogen as a decarbonized fuel option.
- Held a hydrogen seminar with Bali with the cooperation of the Indonesian Embassy in Japan.
- About 100 people from the local ministries, private companies, research institutes, etc. participated.

【Meetings and seminar】



▲ Toyama-Bali Hydrogen seminar

◀ Pamphlet for Seminar



▲ Meeting with Deputy Secretary of city of Semarang



◀ Opening of Semarang City Gas Station