

Urban-LEDS project - Kota Balikpapan, Indonesia

City Developments and Experiences – Market Place Poster

Low-carbon development: planning & actions implemented

As a seaport city in the east cost of Borneo with a high level of activity, Balikpapan serves as Indonesia extractive industry seaport. The City two harbors Semayang and Kariangau (serve as ferry harbor) is serving some of multinational corporation operate at East Kalimantan. Companies including Barker Hughes (US), Chevron Texaco (US), Halliburton (US), Pertamina (Indonesia), Schlumberger (France), Thiess (Australia), Total S.A (France) and Weatherford International (US) are use Balikpapan as their base operations in the region. As well oil refinery city Balikpapan has two raw oil refinery units that produce naphtha, kerosene, gasoline, diesel fuel, and residue as well as one high vacuum unit that produce 100 tonnes of paraffin oil distillate. Base on that fact Balikpapan LED priorities focus on: Industrial Chemical Waste and Utilization, Waste Management, Transportation, and Green Building.

Impacts / Expected Results

- Reduction of emission from industry & energy industry sector.
- Waste-to-energy improvement.
- Retrofit government official building.

Challenges and solutions: how we addressed these ...

Known as “THE OIL REFINERY CITY, Balikpapan’s economy relies on its industrial sector which is dominated by the oil and gas industry, while the second main economic activities are trade and services with most valuable are Pertamina oil port. Accordingly, the government bear the responsibility to develop the city in an environmentally friendly manner without sacrificing its economic resources. The city seek to develop a planning by setting its vision as “making Balikpapan City livable and environmentally sound, realized based on orientation towards a green social economy.” City Environment Management Regulation which mandated a zonenitation that prohibit extractive industries to operate in particular protected area. However the city is giving permission for the extractive industries to operate in allocated zone with the responsibility for the industry to bear the CSR programs to its surrounding area. One of the example is Manggar Landfill that has been able to generate and distribute electricity to 40 surrounding households.

Lessons learned: we recommend to others

Balikpapan is one of the city in Indonesia with highest revenue. ICLEI needs to play a significant role to help Balikpapan City in establishing a pro-environment and pro-climate budget line in their local budget. Learning from Balikpapan experience, it would be best if Urban LED city could also have such CSR forum that would play a significant role in promoting a clean and sustainable urban development in the city.