

CASE STUDY: FINANCING INTEGRATED SANITATION

Bitung City





Quick Facts

Country: Indonesia 222.908 Inh. Population: Adm. Area: 304.0 km²



Executive Member of City Alliance since 2018

Contact

Maximiliaan Lomban

JI.DR Sam Ratulangi No. 45 Kota Bitung Sulawesi Utara, Indonesia

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bitungkota.go.id

Project Start/End Year 2014-2028

City: Bitung City. Country: Indonesia.

Applied financing model: National and local government budget and publicprivate partnership (PPP).

Ouick Facts

Population: 222,908 inhabitants (Source: City Development Planning Agency Pocket Book of Bitung, 2018). Intervention area: 57.482 Ha/ 574.82

sq.km.

City GDP: 2,207 USD/capita (Source: Central Bureau of Statistics, 2016).

3,150 Country GDP: USD/capita (Source: Central Bureau of Statistics, 2018).

Estimated Capital Expenditure:

33.531.438.638 IDR. equivalent 2,320,000 USD(Source: Bappeda SSK Sanitasi 2018).

Actual Capital Expenditure:

29,772,315,700 IDR, equivalent 2,060,000 USD (Source: Bappeda SSK Sanitasi 2018).

City Development Priorities

- 1. Decentralized wastewater (DEWATS) management.1
- 2. School-based sanitation.
- 3. Decentralized solid waste management.
- 4. Concepts for septic tank and fecal sludge management.
- 5. Decentralized clean water management.
- 6. Policy and regulations development and improvement.

Expected Project Outcomes

- 1. Integrated sanitation solutions for water protection. Sustained operation and maintenance by the local authority.
- 2. DEWATS for management communities, schools, traditional markets and hospitals.
- 3. Solid waste management systems for communities, schools and traditional markets.
- 4. Institutional and community capacity building.

Current Project Interventions

- building Capacity and policy development for water and sanitation planning in densely populated areas.
- 2. Workshops and assistance in operation and maintenance (O&M) of sanitation infrastructures.
- 3. Introducina the Integrated Sanitation Approach to the society (individual septic tank, greenery and painting, etc).
- 4. Feasibility study for fecal sludge management (FSM) on regional scale (identification of suitable locations) and assistance and facilitation of FSM facility implementation.
- 5. Introduction to advanced sanitation infrastructure (user friendly, economic, good quality) for community and boarding school)
- 6. Enforcement of new water and sanitation regulations.
- 7. Awareness raising and education









TUDY

campaigns for communities and stimulation/trigger actions on the importance of sanitation program in community settlement.

Key Messages

For policymakers:

The project assists the policymakers to improve the existing FSM, to supervise the implementation of local regulation on septic tank amnesty, to introduce the new waste management system and to advise the preparation of wastewater master plan for Bitung city.

For financing institutions:

As a compact city, the project demonstrates a new approach of business opportunity and technology that can be implemented and replicated professionally by the private sector.

For think-tanks and academia:

The project opens research opportunities to study new approaches and suitable technologies to be implemented and improved scientifically on the city level.





Budgeting and Planning Implementation Operational and Maintenance Solid Waste DEPARTMENT OF ENVIRONMENT Waste Water DEPARTMENT OF HOUSING AND SETTLEMENT DEPARTMENT OF PUBLIC WORK WINDICIPAL WATER SUPPLIER (PDAM) WATER SUPPLIER (PDAM) USER







Contribution to the 2030 Agenda for Sustainable Development

Implementation of the concept of Integrated Sanitation that is applied in this city contributes to achievement of a cluster of Sustainable Development Goals and Targets of the 2030 Agenda for Sustainable Development, such as SDG 1- No Poverty; SDG 6 - Clean Water and Sanitation; SDG 7 - Affordable and Clean Energy; SDG 9 - Industry, Innovation and Infrastructure; SDG 11 - Sustainable Cities and Communities; and SDG 17 - Partnerships for the Goals.

Contacts

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