

PT SARANA MULTI INFRASTRUKTUR/ INDONESIA



GREEN
CLIMATE
FUND

GLOBAL
PROGRAMMING
CONFERENCE

Project title

Integrated Sustainable Bus Rapid Transit Development in Semarang

Result areas

Reduced emissions from low emission transport

Sector

Public

Total financing, USD

Estimated USD 48.720.000

GCF financing, USD

TBD

Financial instrument

Grant & Loan

Description of specific climate change problem and how the project will address it

Transportation sector counts for 25% of all energy-related emission in 2010, which 91% is resulted from road transport. Lack of sustainable urban transport implementation is an important problem in most cities in Indonesia including Semarang. The project is aimed to reduce GHG emission in the transportation sector by developing a Bus Rapid Transportation (BRT) system which meets the international standard. There are many reasons to justify the need for BRT in Semarang, but the main objective of implementing the BRT project is to reduce GHG emission by shifting private transportation users to be public transportation user and choosing the right technology for the buses. The proposed project includes the construction of infrastructure for BRT (dedicated laneway, bus stations), Non- Motorized Transportation (NMT) system, and development of intelligent transportation system, integrated payment system and feeder routes.

Alignment with key country priorities and stakeholders engaged

Indonesia committed a National Determined Contribution (NDC) to a 29% reduction in GHG emissions by 2030 from "business as usual" baseline levels as voluntary mitigation actions, and a 41% reduction with international support. In 2011, The Gol introduced Presidential Regulation 61/2011 as National Action Plan for Reducing Greenhouse Gas Emissions (RAN-GRK) where reducing GHG emission from transport sector become one of the priority. In addition, the project is in a collaboration with the SUTRI NAMA – INDOBUS project which is delivered by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and the Ministry of Transportation Indonesia as the partner Ministry.

PT SMI is a state – owned financial institution linked with the Ministry of Finance with a mandate to become the catalyst for infrastructure development in Indonesia. This project is aligned with the mandate of PT SMI and PT SMI also has the experience in the transportation sector. In addition, PT SMI has been closely engaged with the Government of Semarang City as the executing entity of this project

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Activities

- Construction of dedicated laneways
- Construction of BRT stations and bus stops
- Construction and integration with Non Motorized Transport (NMT) system
- Development of intelligent transportation system and fare collection system

Expected outcomes

- Increased use of low carbon transport
- Shifting from private vehicles user to sustainable urban transport
- Increase vehicle fuel economy and energy source

Paradigm shift potential

- *The BRT project will be accompanied by pedestrian and access improvement along the corridor, and it is the first step towards low carbon mobility plan in the city.*
- *Semarang is also selected to be the pilot city to implement SUTRI NAMA-INDOBUS programme which is delivered by GIZ in partnership with Ministry of Transportation Indonesia and supported by other ministries. If Semarang could implement and operate dedicated BRT system which meet the BRT standard, other medium size cities in Indonesia will use this approach and it will be replicated in other cities.*