

## Mandalay

### About the City

<b>Total Land Area</b>	285 km <sup>2</sup>
<b>Population</b>	1.23 million
<b>Density</b>	4300 / km <sup>2</sup>
<b>Chief Smart City Officer</b>	



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### Smart City Action Plan

#### VISION

Mandalay aspires to be a city with safe and smooth mobility.

#### FOCUS AREAS

- **Traffic Management**
  - Develop a Central Control Real Time Traffic System or Intelligent Traffic System or Integrated Traffic System to reduce city traffic congestion and conduct traffic data analysis for future planning
- **Road Safety**
  - Install Number Plate Reader CCTVs and checkpoints for road area security
  - Install Radio Frequency Identification tag on all vehicles to facilitate central control, payment, log and big data analysis
  - Install Guard Rails, Road Signs, Warning Signs and Crossing Signs, one-way streets to prevent traffic congestion
  - Indicate street markings with thermoplastic paints
- **Public Transport**
  - Reduce the number of private vehicles via the improvement of public transport and the promotion of public transport as the ideal mode
  - Plan for 4 proposed Bus Rapid Transit lines
- **Parking and Walkway Management**
  - Improve walkways around the moat
  - Construct user-friendly pavements in the city area
  - Increase parking fees in the downtown areas
  - Develop laws and legislations for multi-storeyed car parking to ensure sufficient parking areas in new buildings, hospitals and supermarkets



- **Good Management of Solid Waste and Waste Water, Water Supply, and Public Transportation**

**STRATEGIC TARGETS**

- Reduce the increase of motorcycle by instilling regulation within 2 years
- Install Smart Traffic Light Controls by 50% within 2 years
- Install over 100 checkpoints and city brain control stations in the city within 2 years
- By 2020: Reduce road accidents by at least 60% with better traffic data
- Increase road safety standards
- Improve parking conditions in public spaces

**Smart City Project 1**  
**Traffic Congestion Management**

**OVERVIEW**

In light of the increasing vehicle ownerships that results from population growth and the ease of import laws, the number of motorcycles and private car ownership peaked at 2016, resulting in traffic challenges. Reliable and up-to-date traffic data, and strategic management of road conditions by road infrastructures such as traffic lights, guard rails and road signs could address the traffic congestions in Mandalay, thereby improving road safety.

**SUPPORT REQUIRED**

- Technical assistance on road traffic data analytics and management
- Funding support

**Smart City Project 2**  
**Solid Waste and Waste Water Treatment**

**OVERVIEW**

Good solid waste and waste water management, to ensure quality water supply.

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