

# Traffic Data Utilization System in the Republic of Cote d'Ivoire



October 26, 2023

**Yachiyo Engineering Co., LTD.**

Yasuhiro YAMAUCHI: Senior Transport Engineer, International Division

# Company Profile

**Establishment**

January 29, 1963

**Paid-up Capital**

450 million JPY

**Number of Professional Staff**

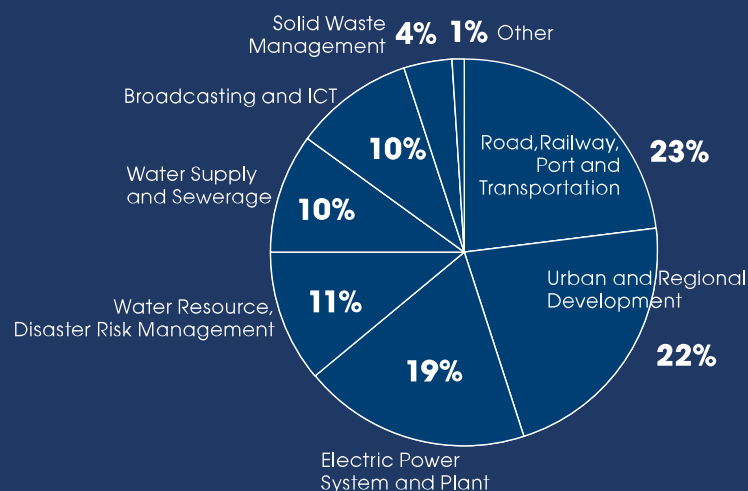
1,265

**Contract Amount**

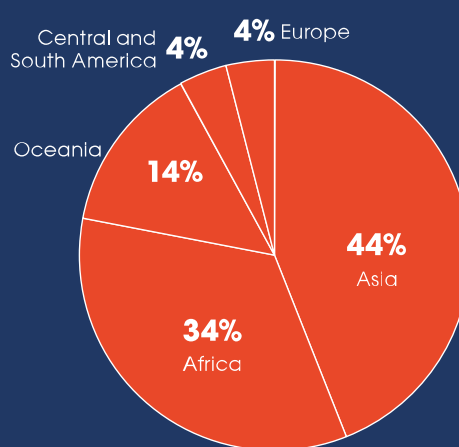
Grand total for Jul.2021-Jun.2022  
(Overseas Business)

25.7 billion JPY  
4.3 billion JPY

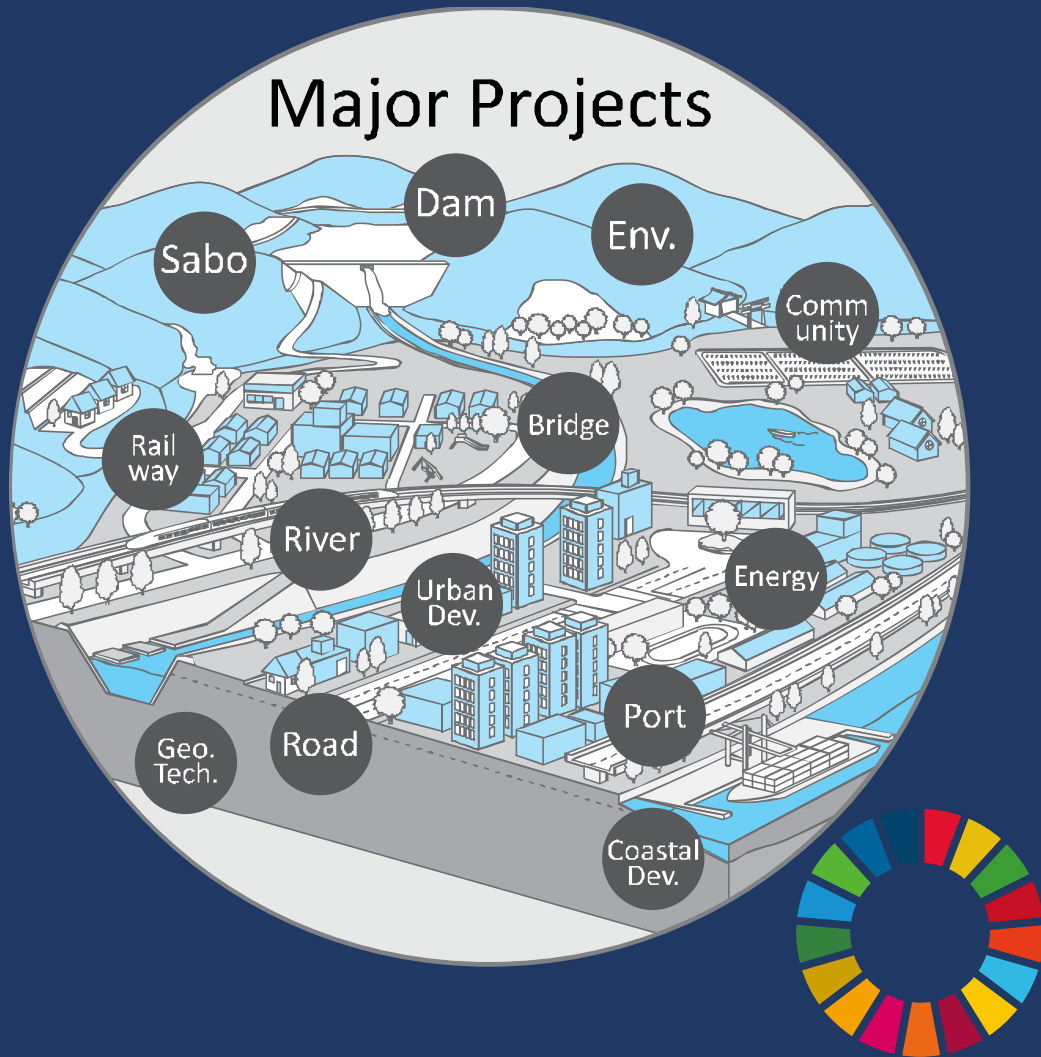
**Overseas business share by sector**



**by region**



# Our Business Domains



## Business Domains

Transportation  
Infrastructure

Urban &  
Community Dev.

National Land  
Management

ICT

Project Management

Operation & Maintenance

Environment & Energy

Mechanical Engineering

Geotechnical Engineering



Core Domain



Cross Cutting Domain



# Major Experiences in ASEAN Region

## Vietnam

- Survey on Hanoi-Ho Chi Minh High Speed Railway Project

## Cambodia

- Study on the Environment-Friendly Smart Community in Phnom Penh
- Master plan for smart city of Battambang city in Cambodia

## Indonesia

- Disaster reconstruction planning and implementation in Sulawesi
- Study for Jakarta-Bandung High Speed Railway Project
- Sewerage system development in Jakarta
- Study for Urban Transportation System in Surabaya

## Malaysia

- Feasibility Study on the Second Penang Strait Crossing Road Construction Project
- Preliminary study on data utilization platform for smart city in Kuala Lumpur, Malaysia
- Study for Integrated Flood Management with Adaptation of Climate Change in Malaysia
- Study for High Speed Railway between KL and Singapore

## Philippines

- EV tricycle introduction in Quezon city
- The Preliminary Study for the Automated Citywide Traffic Control Systems Upgrade for Improved Mobility in Davao

# Introduction of Case Study Project to Promote Smart City

## Technical Cooperation:

### The Project for Operationalization of Urban Master Plan in Greater Abidjan

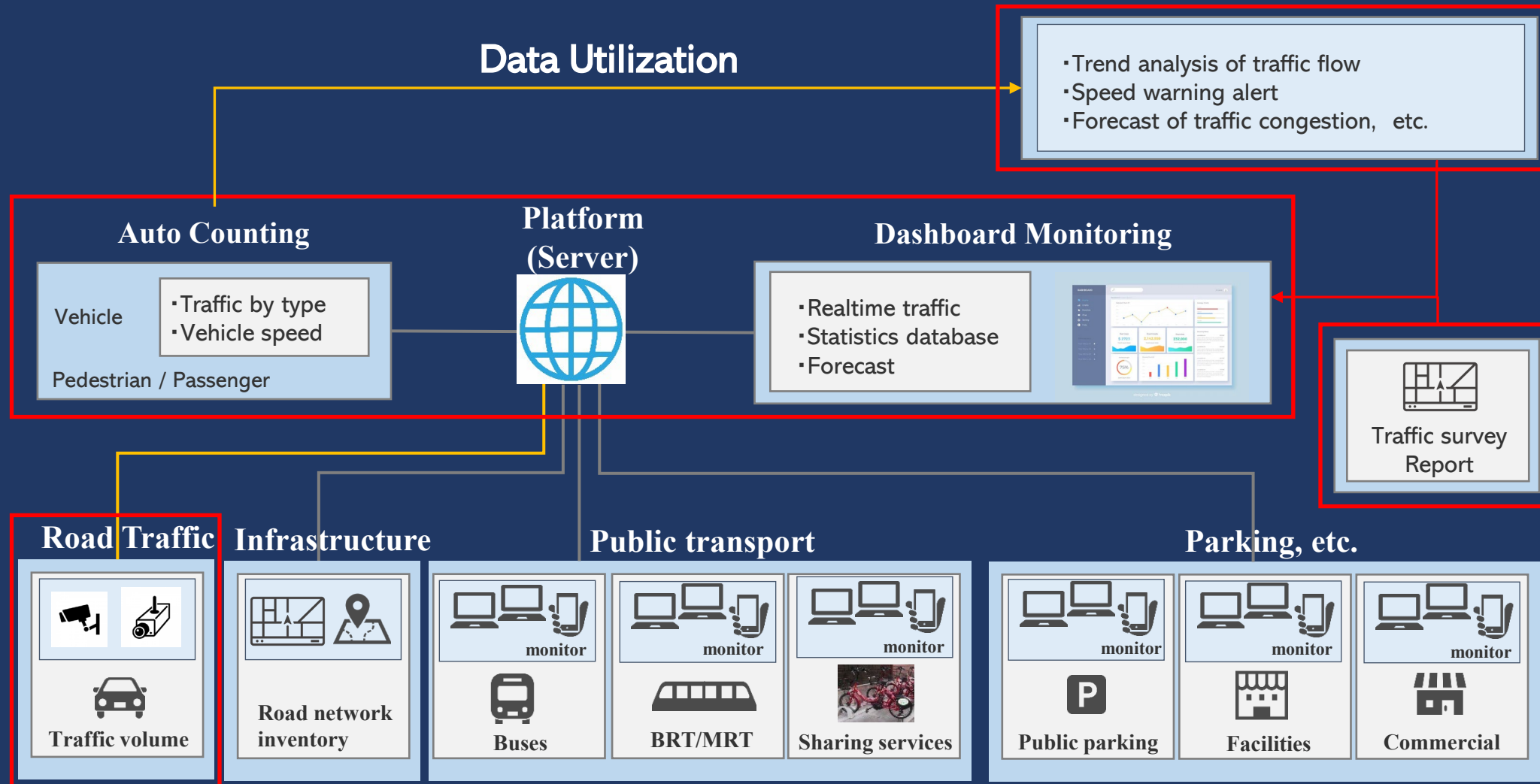
- Establish of monitoring committee of urban master plan
- Enhancement for effective implementation of urban development management
- Review and update current transport master plan to strengthen its effectiveness and improve accessibility to public transport

# Major Issues on Urban Transport Sector in Abidjan

- Chronic road congestion
- Modal shift to public transport (improvement of PT services)
- Optimization of O&M of public transport and infrastructure
- Data utilization for every planning of transport sector



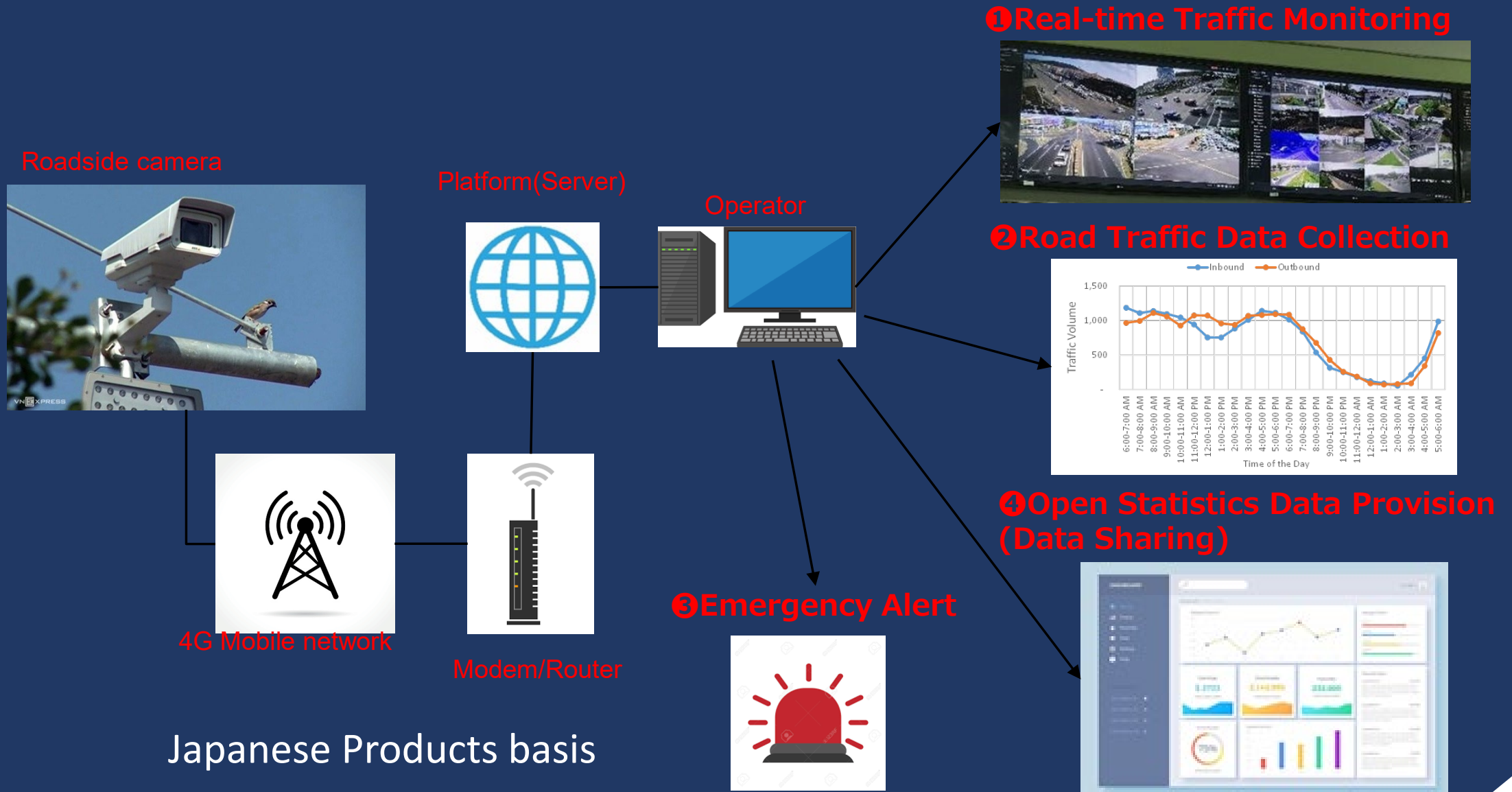
# Overall Configuration for Traffic Data Utilization System



Targeted functions in the Phase-1

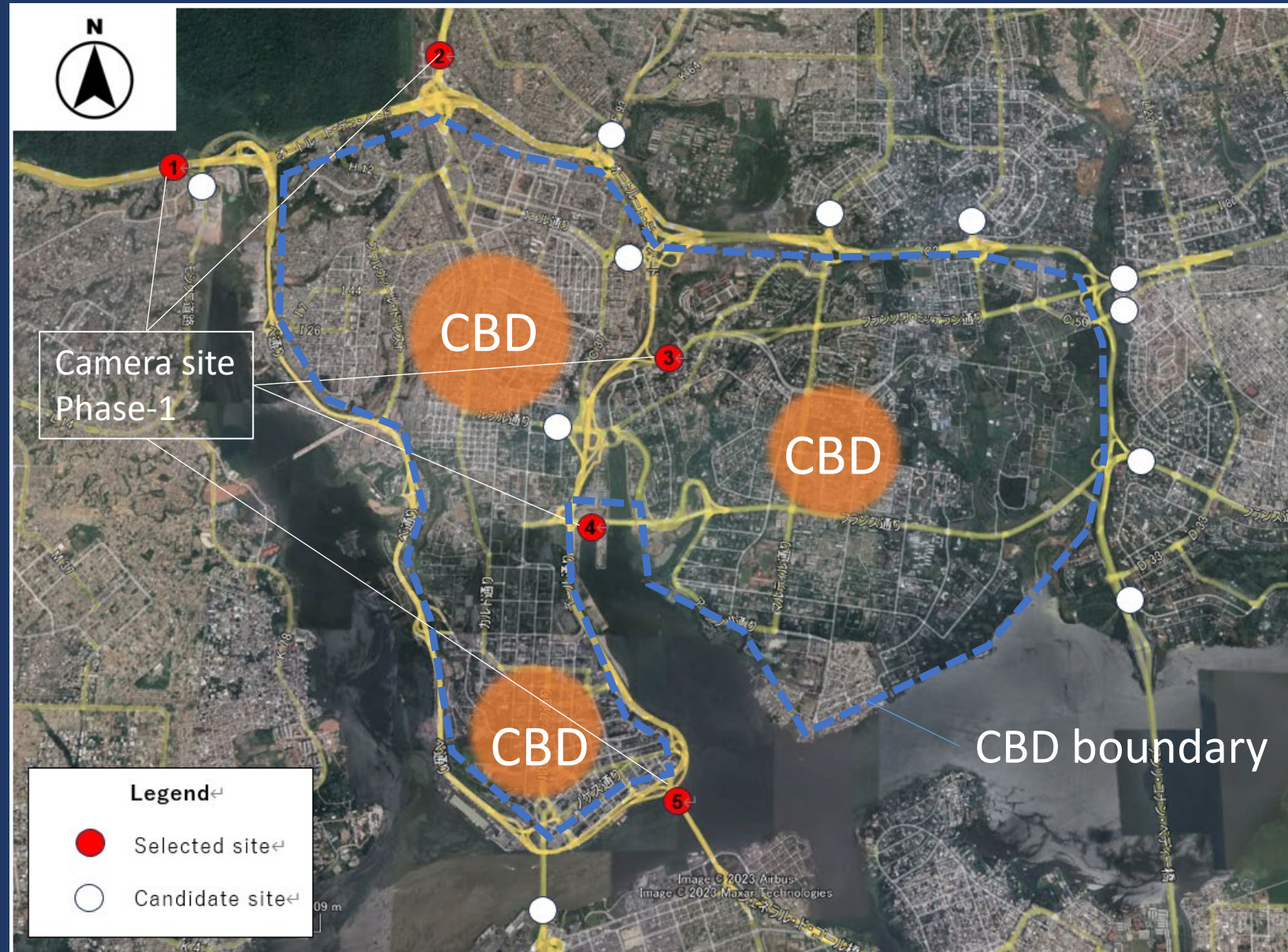
Data Input

# Major Functions of the System at Phase-1





# Camera Sites for Traffic Monitoring and Future TDM



# Schedule

## Phase-1

**2023**

**July:** Approval by financing agency

**August:** Sign contract with contractor

**September:** Start procurement

**November:** Camera setting at site, data center

**December:** Start operation

**2024**

**January 13~:** Africa Cup of Nations

**February:** Dashboard monitoring system

**March:** System evaluation



**Phase-2 ?**



# Beyond 2024

Abidjan Metro  
Construction has just  
started in 2023



Abidjan BRT  
2025 East-west first line



# Thank you for attention

## Contact:

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