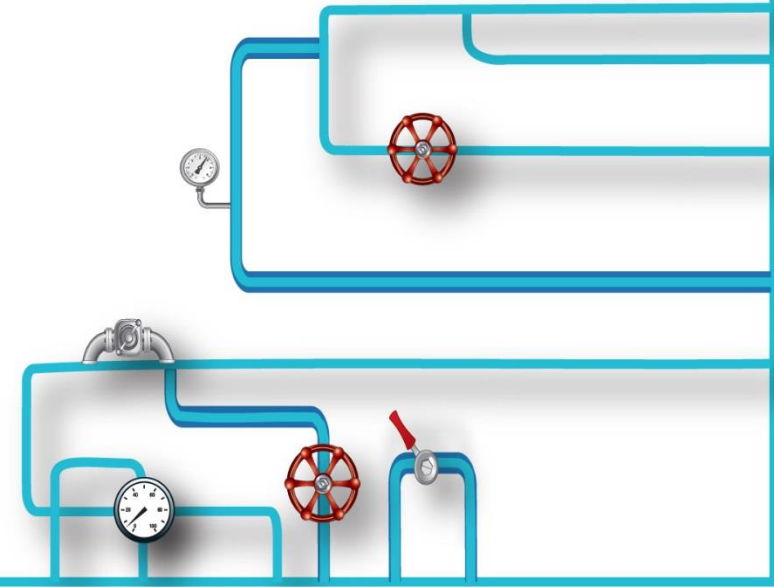
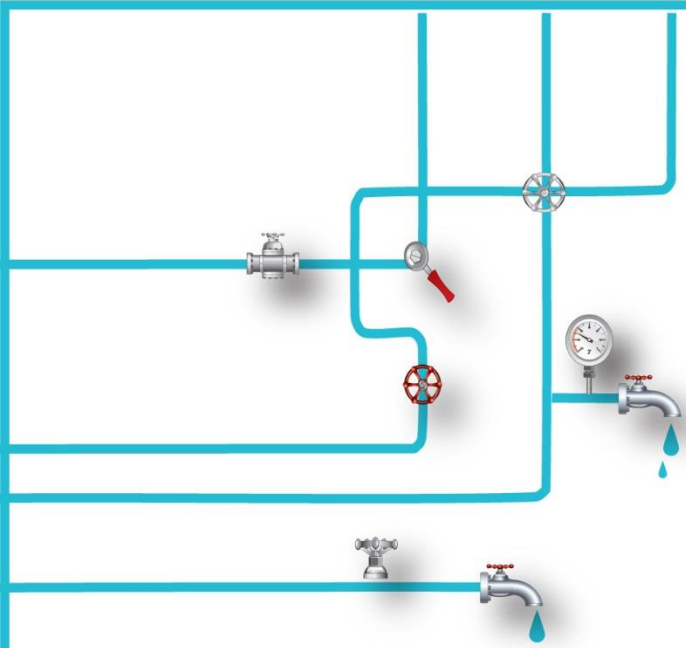




Pengurusan Aset Air

# PAAB's Innovative Business Model

Advancing Water Infrastructure Development and Financing  
in Peninsular Malaysia and Labuan



# BACKGROUND: PENGURUSAN ASET AIR BERHAD

Wholly-owned by **MINISTER OF  
FINANCE (INCORPORATED)**  
MoF Inc.

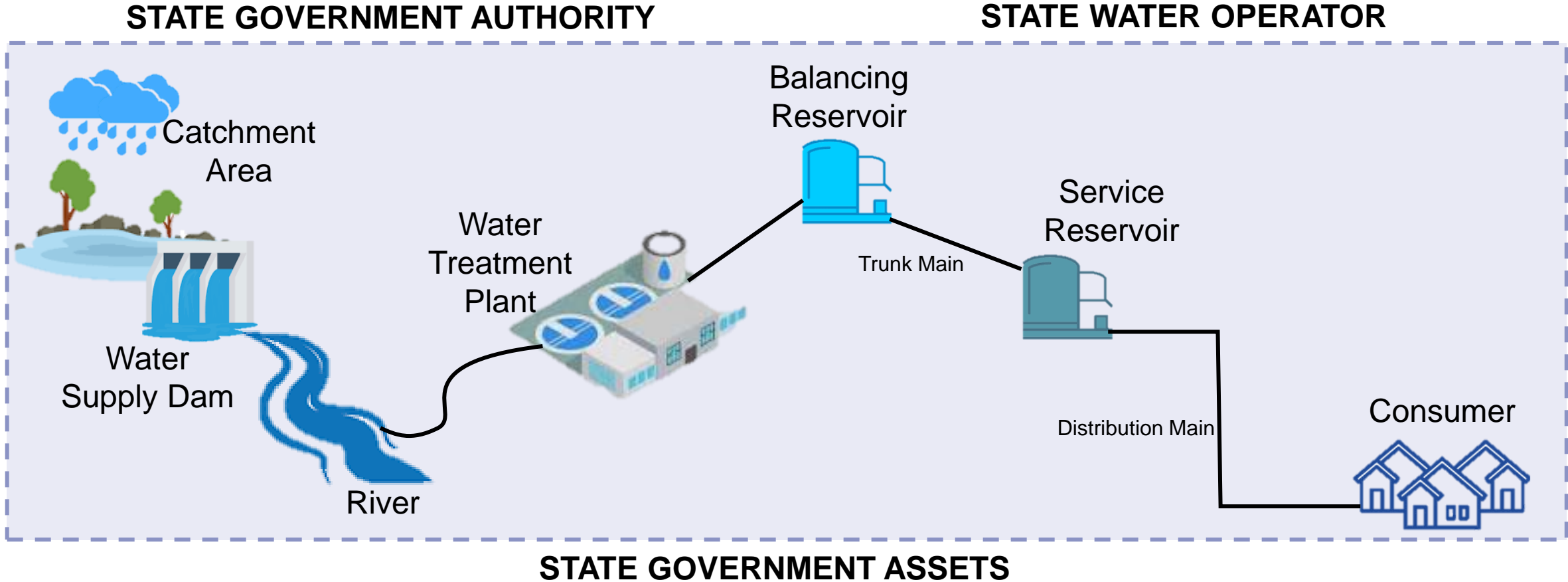
Incorporated on **5  
MAY 2006**



**CONSTRUCT, REFURBISH,  
IMPROVE, UPGRADE, AND REPAIR**  
water infrastructure and all other  
assets in relation to the system

Ensuring the most **ECONOMIC  
AND SUSTAINABLE FUNDING  
SOURCE**

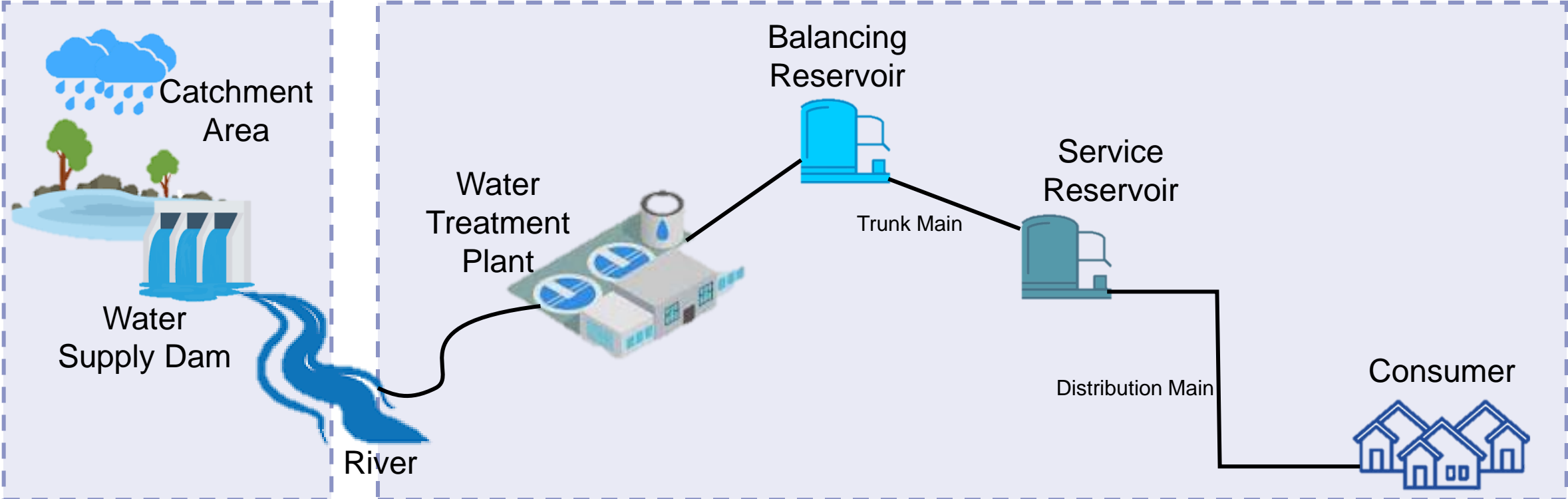
# BACKGROUND: RESTRUCTURING WATER SERVICE INDUSTRY (BEFORE MIGRATION)



# BACKGROUND: RESTRUCTURING WATER SERVICE INDUSTRY (AFTER MIGRATION)

## STATE GOVERNMENT AUTHORITY

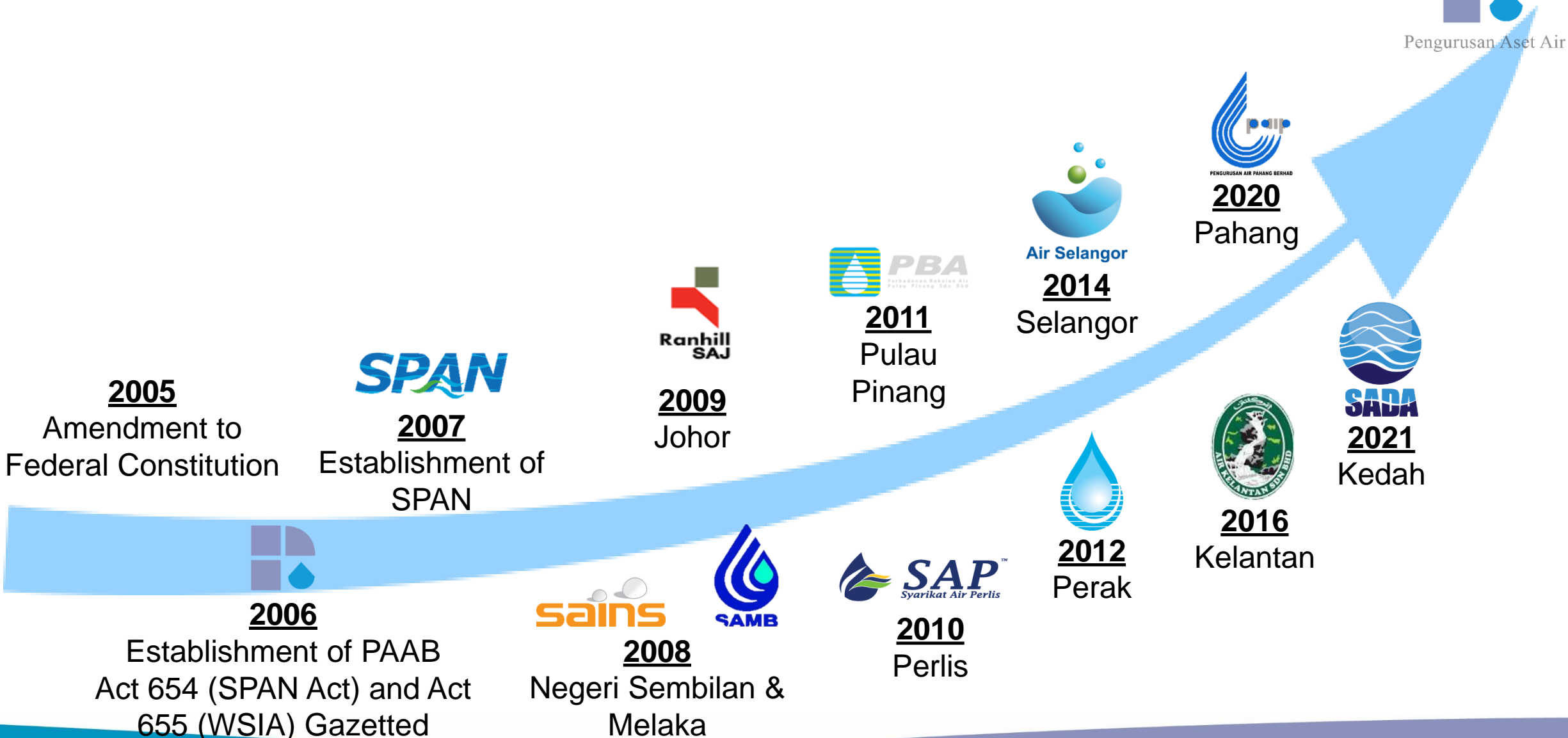
## STATE WATER OPERATOR



## STATE GOVERNMENT ASSETS

## FEDERAL GOVERNMENT ASSETS (PAAB)

# BACKGROUND: MIGRATION JOURNEY



\* The migration year given refers to the year of the signing of the Master Agreement

# BACKGROUND: SEPARATION OF FUNCTIONS



State Government

Ministry of Energy  
Transition and Water  
Transformation (PETRA)

Suruhanjaya  
Perkhidmatan Air Negara  
(SPAN)

Pengurusan Aset Air  
Berhad (PAAB)

Water Operators  
Asset-Light



Water Source via  
Federal Grant

*River, Water Catchment,  
Basin*

Policies Makers

*Responsible for energy,  
water, and electricity  
transition policy*

(Act 654) SPAN Act  
Regulation, Licensing  
*Water and Sewerage*

- Advise the Minister on national policy and services
- Implement and enforce compliance with standards, contracts, and laws
- Improve operational efficiency and reduce non-revenue water
- Achieve national goals

Water Asset  
Development, Asset  
Leasing & Funding

Efficient  
Operation, High  
Quality Services

Akta Industri Perkhidmatan Air (WSIA)

# PAAB BUSINESS MODEL: THREE DISTINCT FUNCTIONS

1

## MIGRATION

Acquired water assets of matching value against Federal loans owed by State governments related to water and commercial debts

2

## DEVELOP WATER ASSETS

Develop water assets based on the approved business plan as requested by State Water Operators with most competitive terms

3

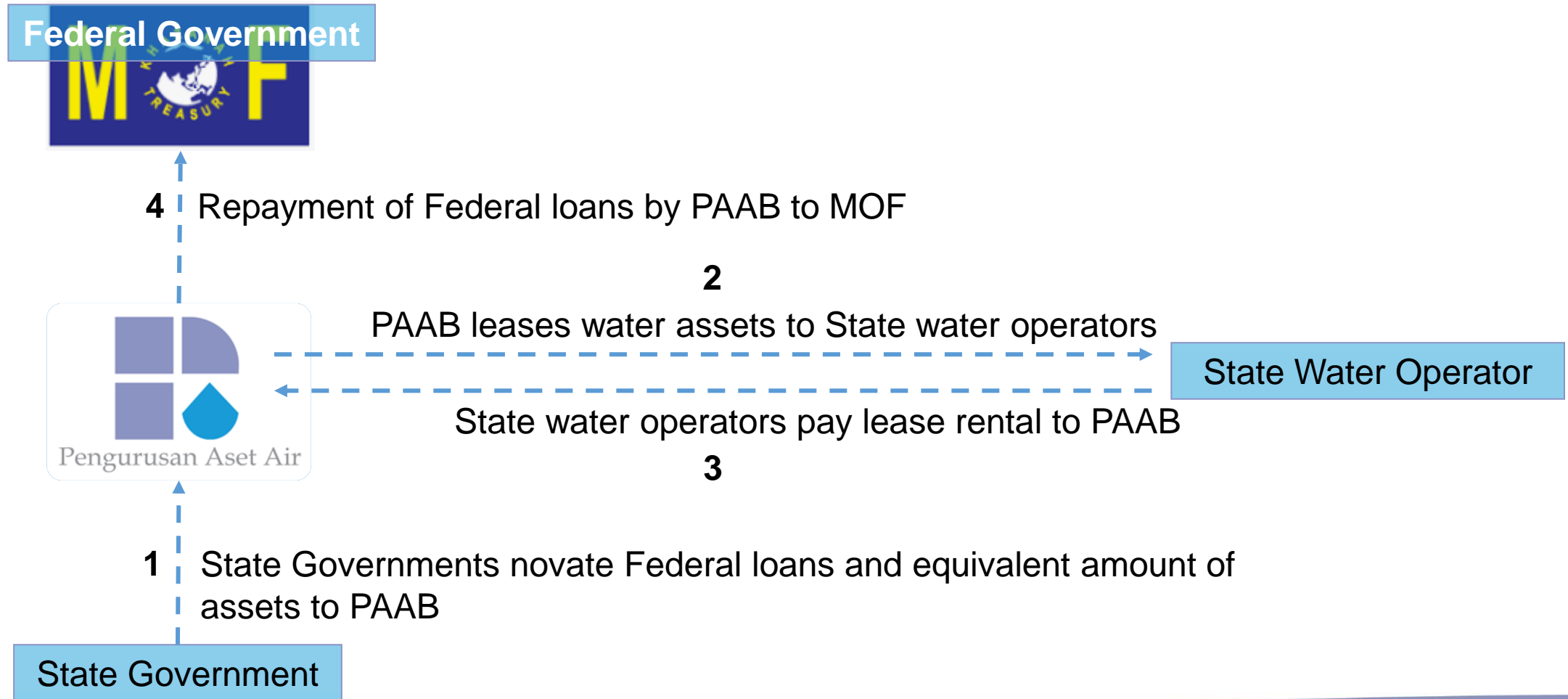
## NRW FINANCING

Short-term loan scheme for State Water Operators to undertake NRW reduction program

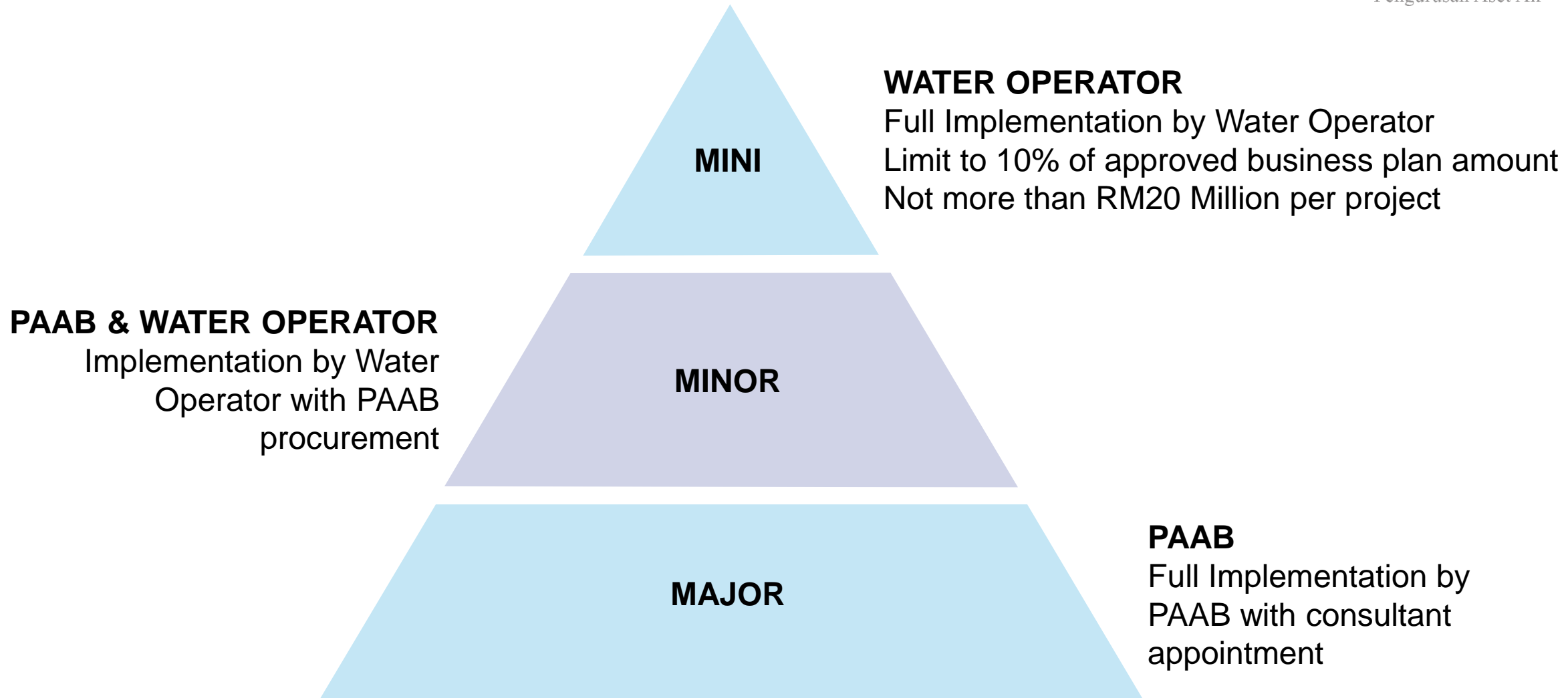
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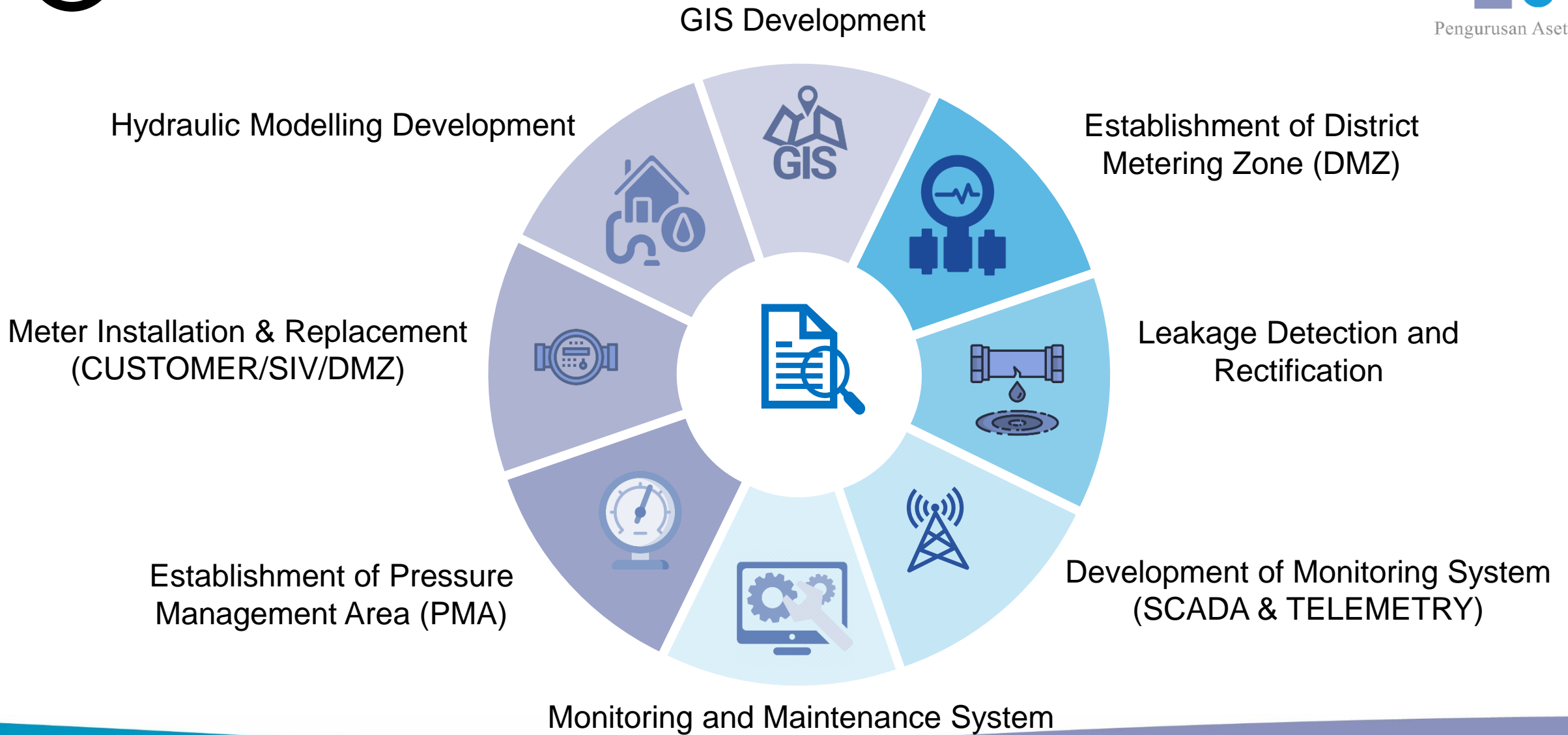
# MIGRATION: MIGRATION OF WATER OPERATOR

State Migration : Federal Loan Novation & Water Asset Transfer





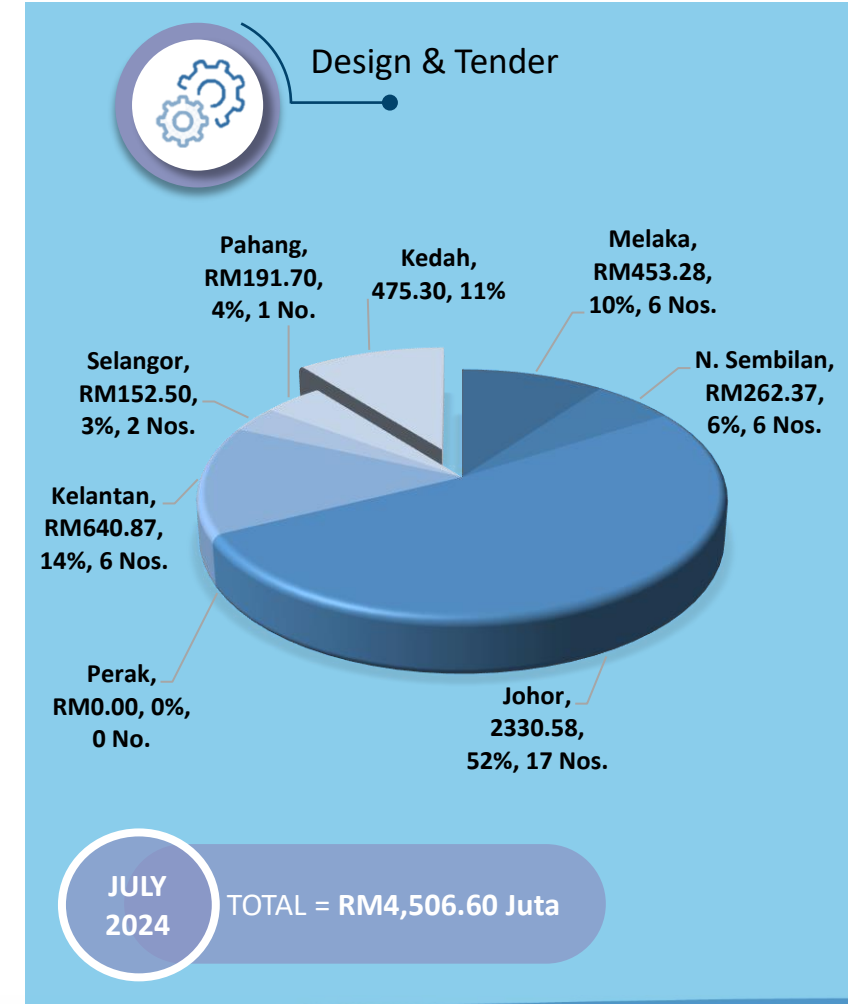
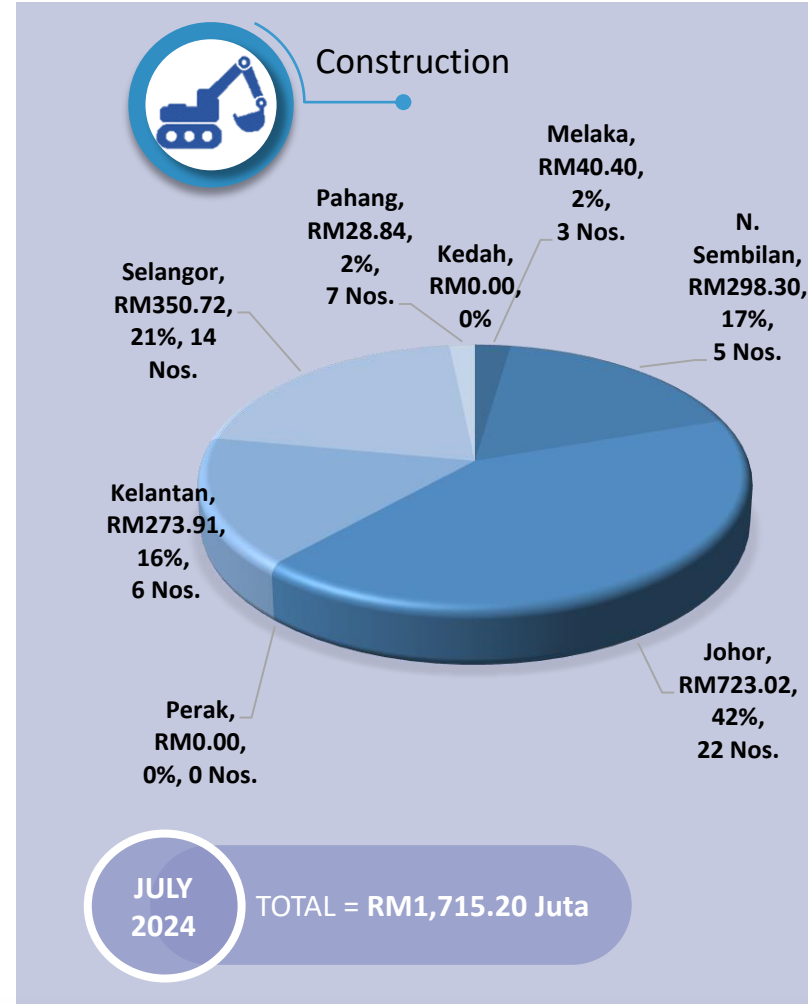
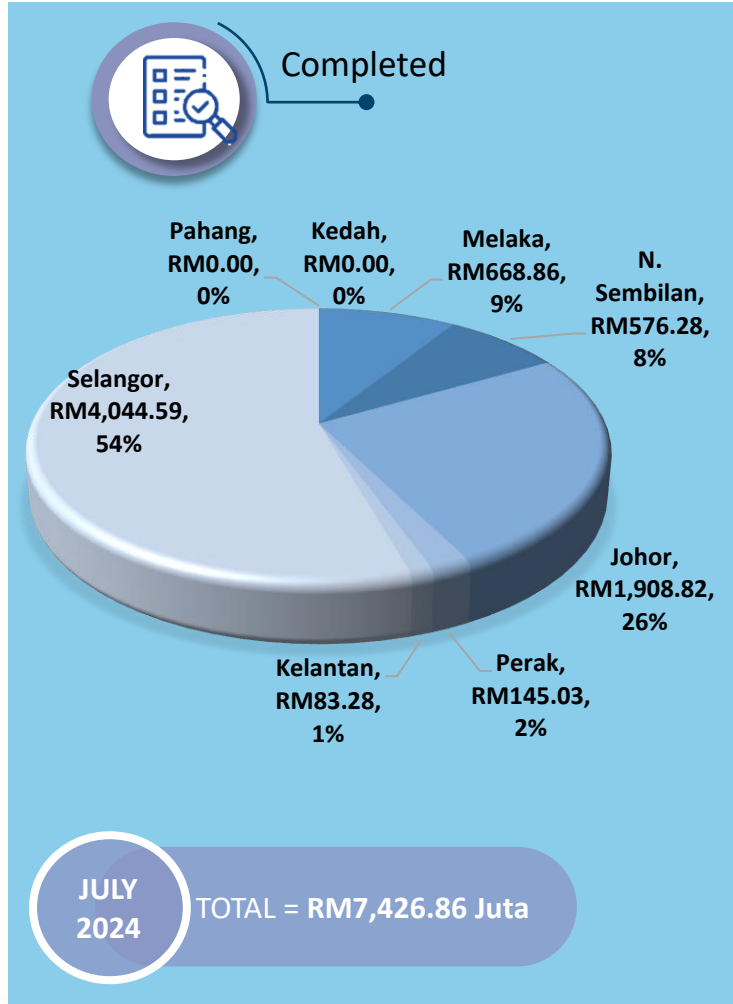




# TECHNICAL HIGHLIGHTS: PROJECT SUMMARY



Pengurusan Aset Air



# TECHNICAL HIGHLIGHTS: PROJECT IMPLEMENTATION



Pengurusan Aset Air



**2,081 MLD**  
**Increase in supply**  
**capacity**

Completion of WTPs and upgrading of existing WTPs to supply water to the new area due to an increased in water supply-demand & increased water reserve capacity  
**21 Nos. of WTP Constructed**



**742 ML**  
**Increase in storage**  
**capacity**

An increase in storage capacity contributes to improvement in the distribution of water supply to the new and existing population area  
**42 Nos. of Reservoir Constructed**



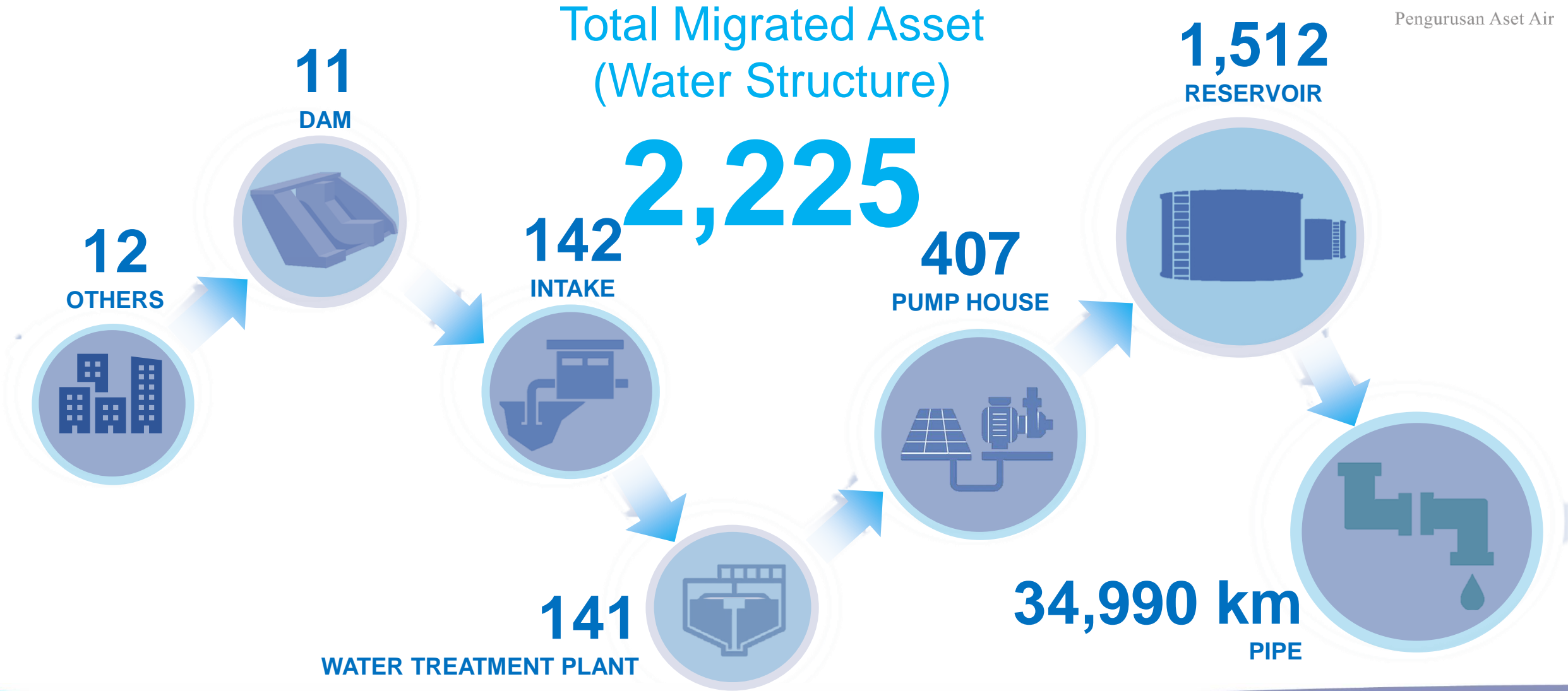
**2,808 KM**  
**Pipe replacement &**  
**Connection**

Improvement in treated water distribution systems and flow connection to existing and new population areas while committing to the reduction in Non-Revenue Water %

# ASSET MANAGEMENT: PAAB's ASSET

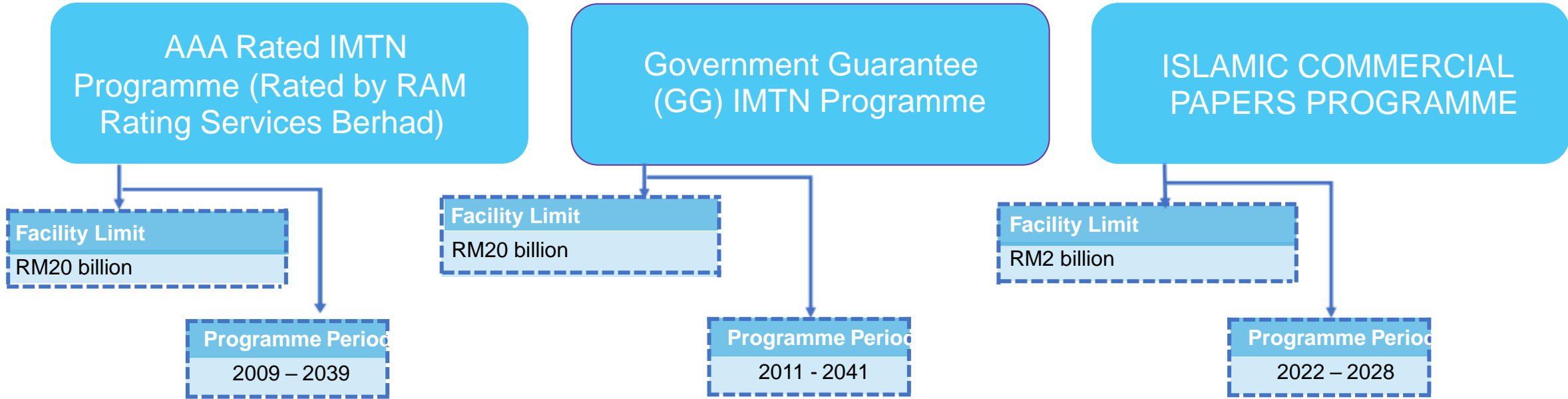


Pengurusan Aset Air



\*As of June 2024

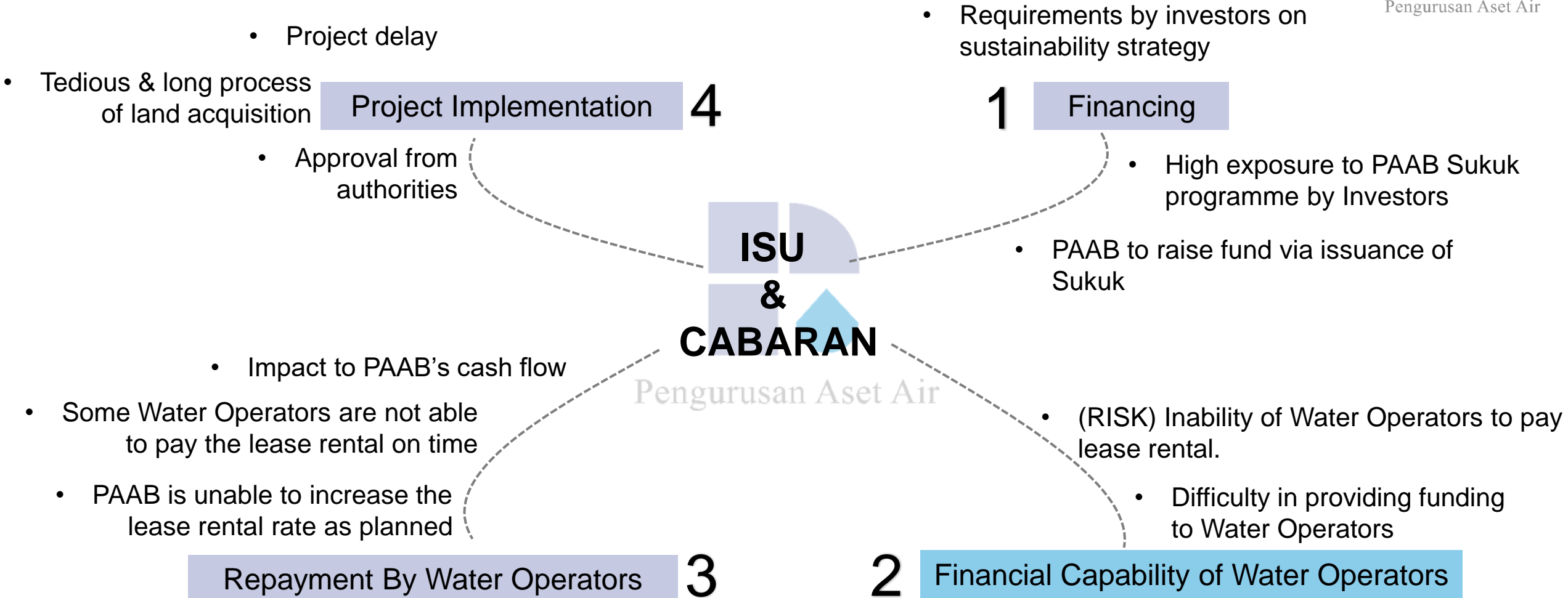
# PAAB SUKUK PROGRAM: (PENGURUSAN AIR SPV BERHAD (PASB))



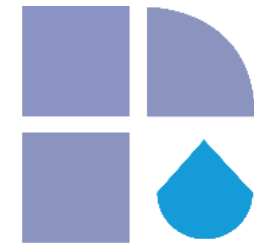
# ISSUES AND CHALLENGES: SUMMARY



Pengurusan Aset Air



# Thank You



Pengurusan Aset Air

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