

Green Water Project Development - Case study and Opportunity

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K-water (Korea Water Resources Corporation)

KGID
CAIRO



Korea Water Resources Corporation

World's Best Comprehensive Water Platform Provider

Establishment

- In 1967
- Headquarters in Daejeon



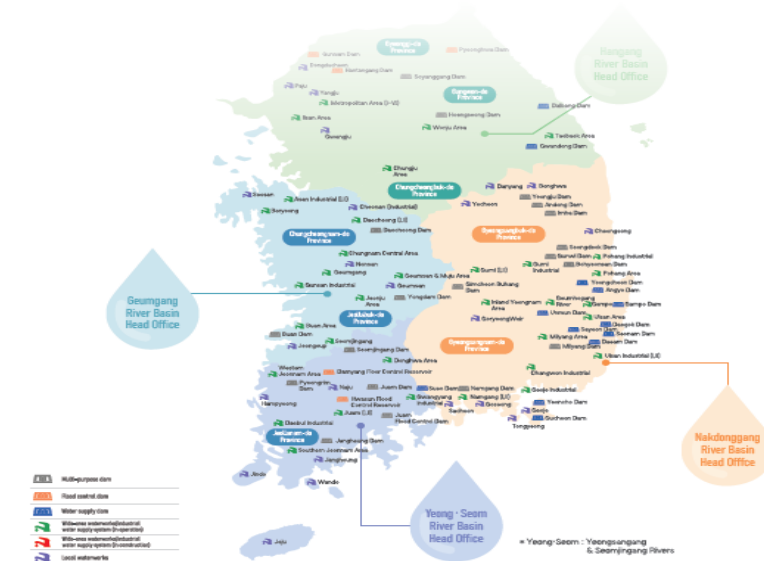
Financial Highlights

- 100% Government-owned enterprise
 - (Total Assets) USD 27 billion
 - (Revenue) USD 4 billion
 - (Credit Rating) **AA2** (Moody's)
- * based 2021



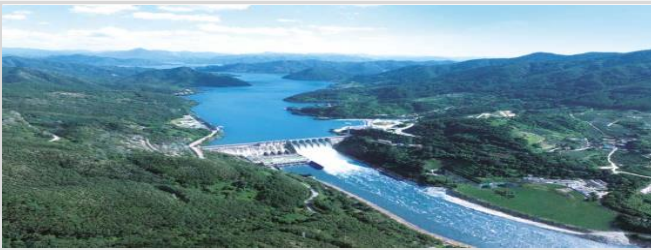
Employees & Offices

- (Employees) 6,600 (approx.)
- (Offices) 80 (approx.)



Key Businesses

Water Resources Management



39 Dams
3 billion m³

71 Waterworks
18 million m³/day

Water Supply Service



Smart Waterfront City



Smart city and industrial complex
90km²

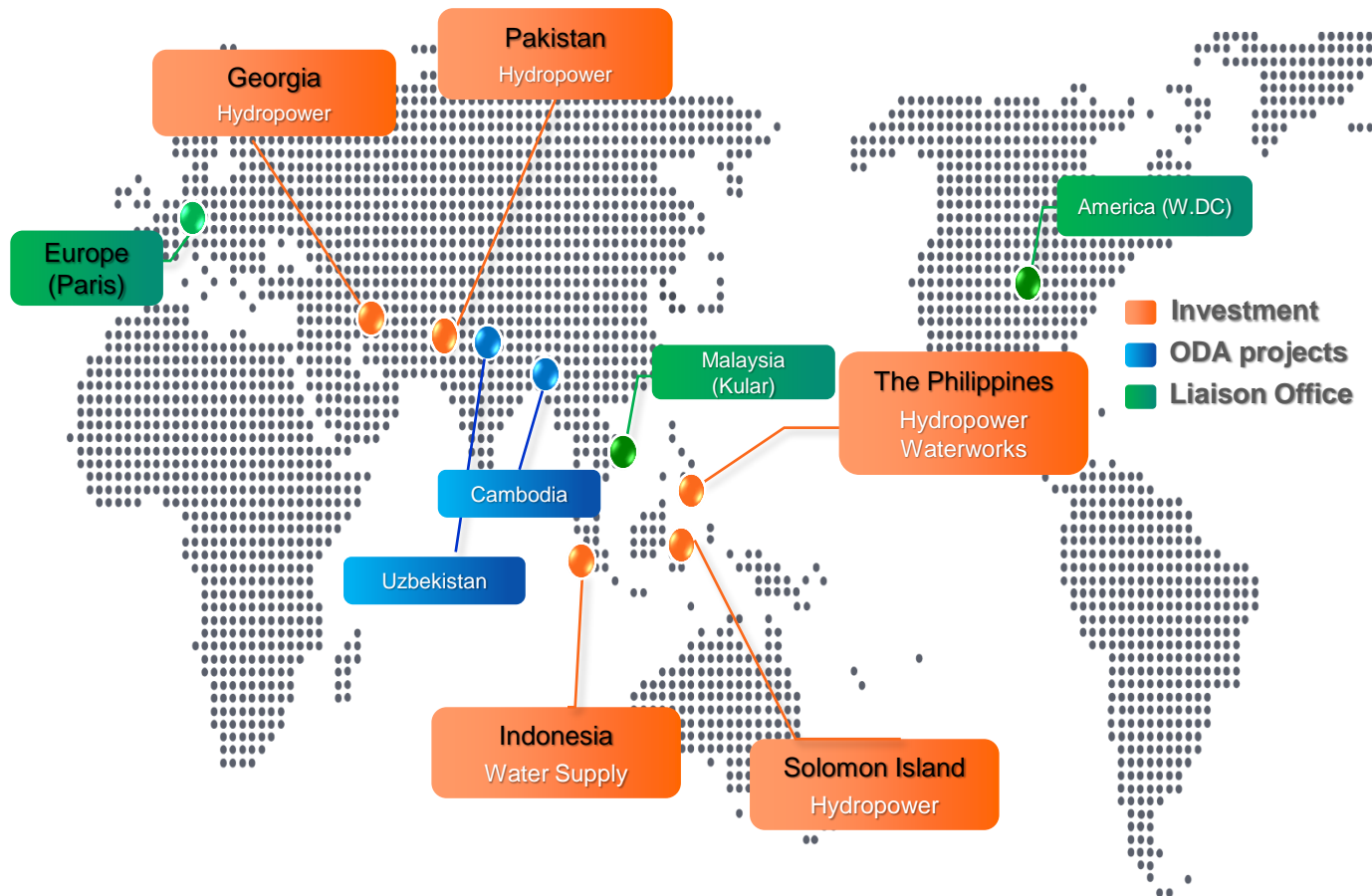
109 plants
Hydro, tidal, PV, wind
1,414MW

Renewable Energy



Track Records

Overseas Business - ODA Implement (grant, loan), PPP development and O&M



Completed

- 34 Countries
- 99 Projects
- (1994 ~ 2021)

Ongoing

- 13 Countries
- 29 Projects
- (based 2022)

Project Partners



ODA projects (grant) : Developing and Management

(Fund) IECC under MoE (Min. of Environment)
(Int'l Environment Cooperation Center)

Implementing Agency of **Green ODA**

GHG Emission
Mitigation

Hydropower, Micro-hydropower
Floating photovoltaic system

Energy
Efficiency

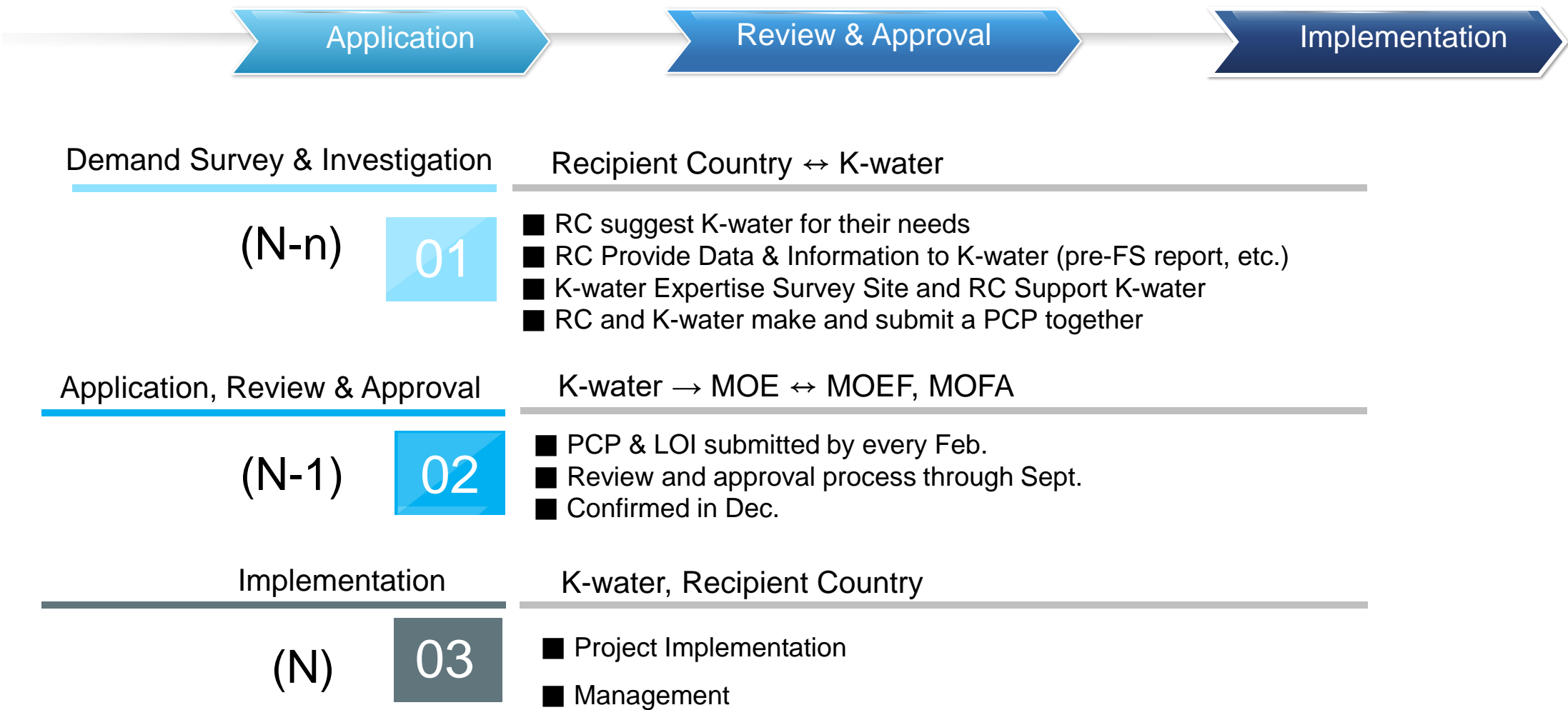
Smart water management based ICT, NRW reduction
Masterplan for Smart waterfront city

Climate Changes
Adaptation

IWRM (Integrated Water Resources Management)
Early warning system for flooding



Green ODA Process with K-water & MOE



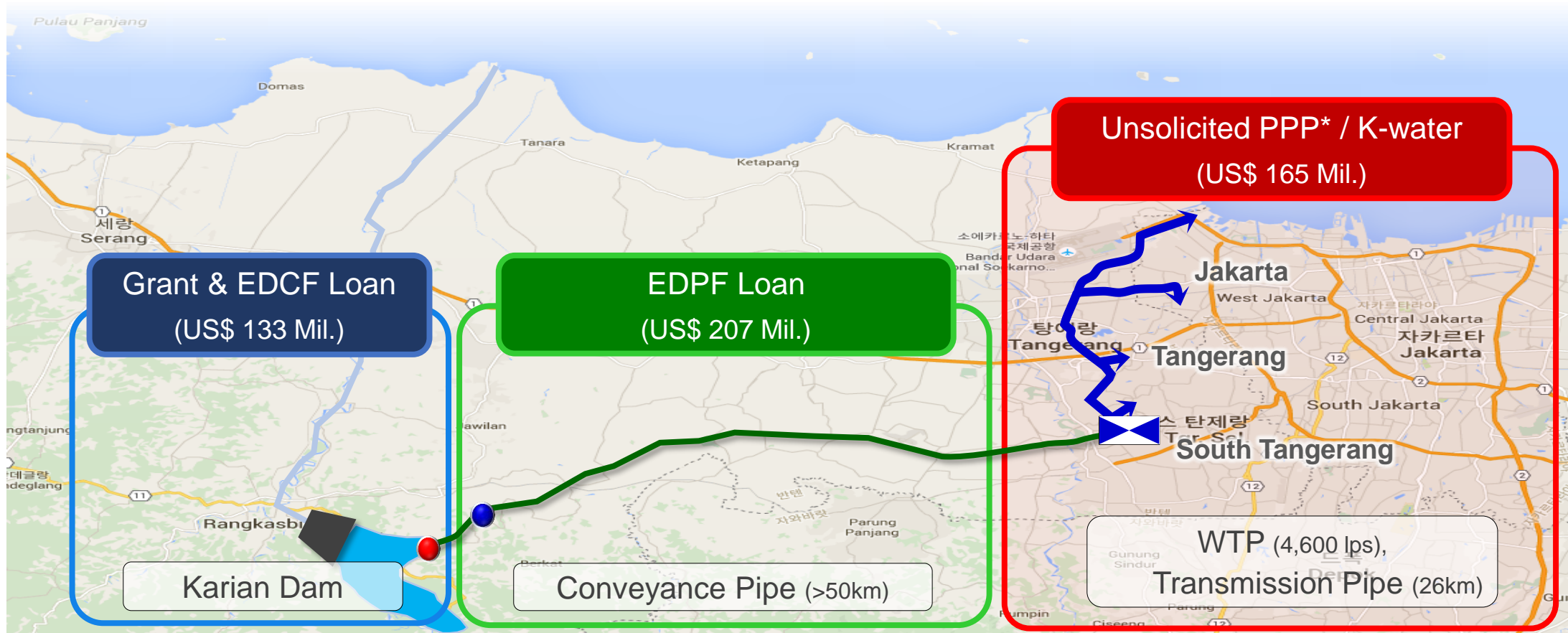
Green ODA pipelines (2022, candidate)

Classification	Project	Budget	Remarks
Plan • Investigate	① Indonesian floating photovoltaic M/P	0.5 mil USD	Reduction type
	② Carbon neutrality tap water and smart water management M/P in North Dabao State in Philippines	0.5 mil USD	Reduction type + Efficiency type
Project	③ Establish Indonesian carbon neutrality tap water	22 mil USD	Reduction type + Efficiency type
	④ Floating photovoltaic in Frette, Cambodia and renovate old water reservoir	0.5 mil USD	Reduction type + Adaptation type
	⑤ Low carbon smart water management in Kabankalan City, Philippines	0.5 mil USD	Efficiency type
	⑥ Consolidated water management at basin of Sanke River, Cambodia	4 mil USD	Adaptation type
	⑦ Flood forecast and alarming at Sebanghiyang, Laos (On-going)	5 mil USD	Adaptation type (On-going project)
Total		45 mil USD	-



PPP Project (investment) in Water Sector

① Grant Aid - ② EPCF Loan - ③ EDPF Loan - ④ **PPP (K-water)**



Karian Bulk Water Supply Project (Indonesia)

Future Collaboration

K-water Global Division

- Europe Office (Paris) : Africa
- America Office (W.DC): North and Latin America

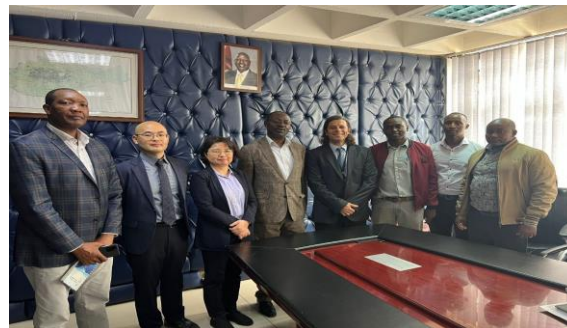
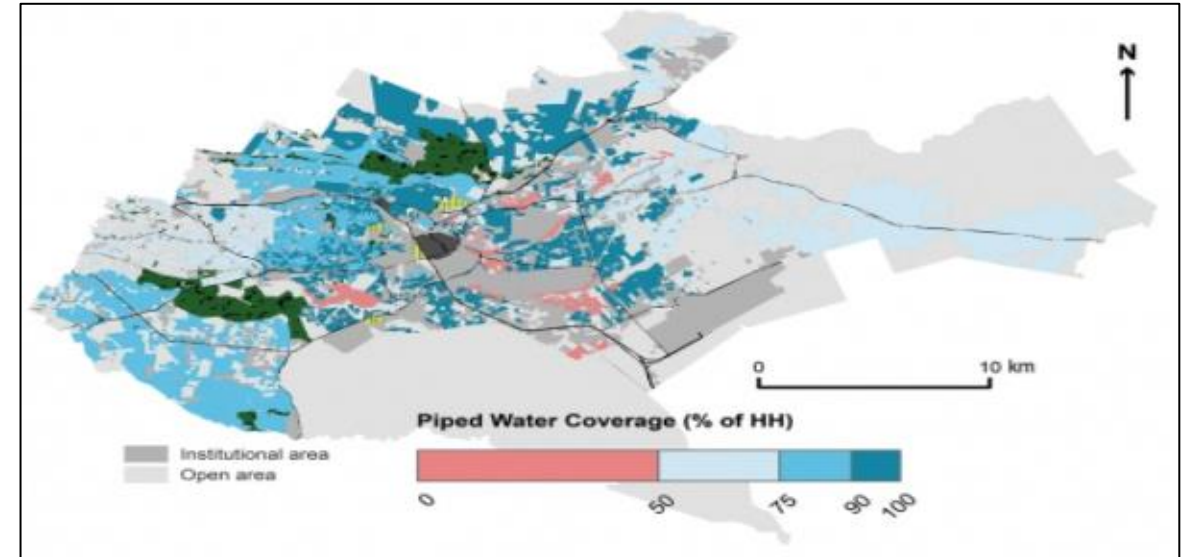
K-water Academy

- Human Resources Development Division

Europe Office (since 2022)

- (Kenya) Pre-FS study for NRW reduction and Smart Water Management in Nairobi (2023.11~)
- Co-work for developing **Green Water Project** and connecting **water technology company**

<NRW status in Nairobi, Kenya>



Thank you

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