



## **WASTE *TO* VALUE Programme**



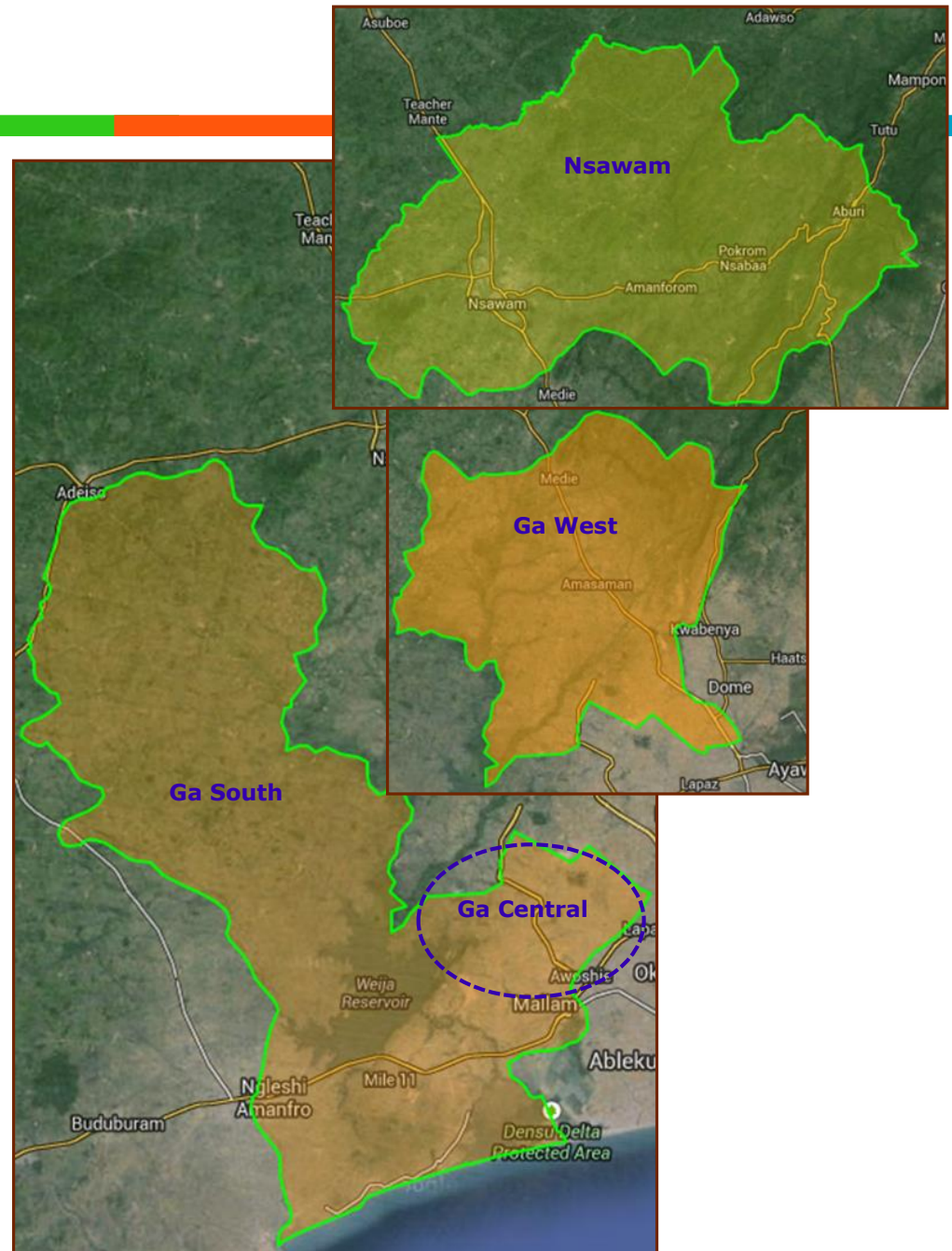
**The  
Special  
Treat  
Project**

### **STATUS REPORT ON THE SPECIAL TREAT PROJECT**

***Richard Yeboah, director of MDF WA Ltd***

## Project area

- 3 municipalities
  - Nsawam-Adoagyiri
  - Ga West
  - Ga Central
- Inhabitants:
  - 2010: 871,886
  - 2020: 1,300,000



## Sanitation

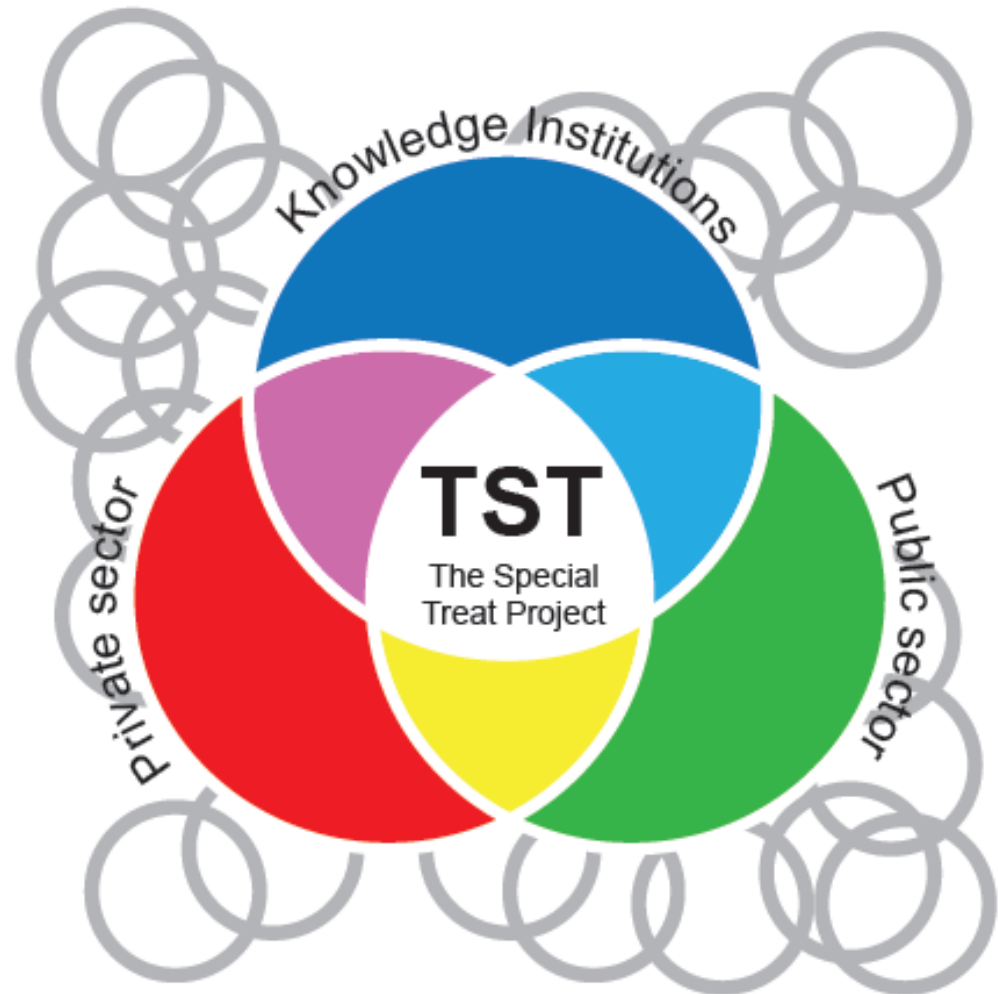
- **Faecal Sludge from the Prisons end up in the Densu River**

## Wastewater treatment

- **Only 17% of the wastewater is treated.**
- **In the project area central sewerage systems are almost non-existing.**
- **Few (institutional) waste water projects are functioning.**
- **Nsawam Prison (8,000 inmates + staff) has 1 defunct treatment plant.**
- **Issues: maintenance, unavailability of skilled staff and/or a non-viable business case**

## Nutrient recycling

- **Energy and nutrients from waste water disappear.**



***Vision:***

***Waste to Value***

***Mission:***

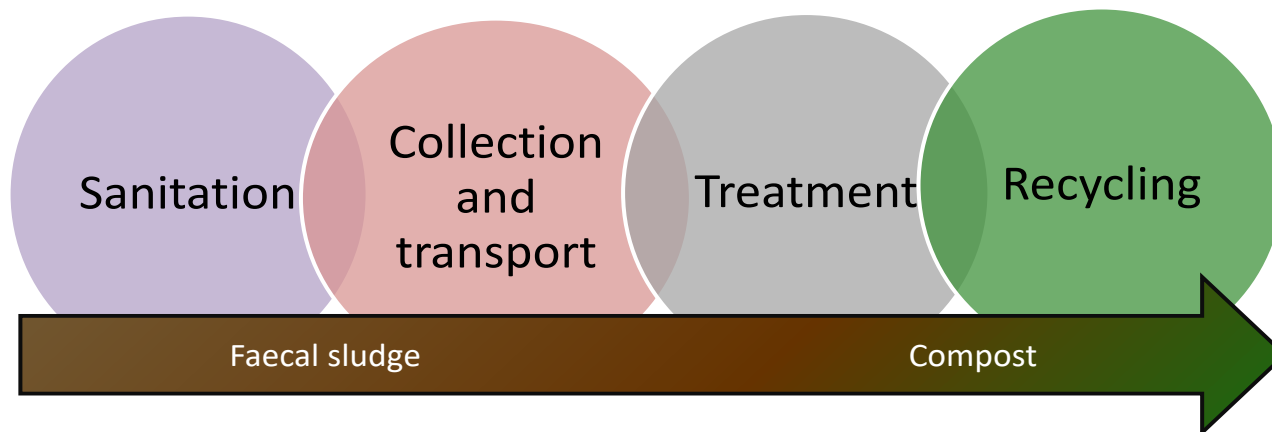
***To improve the living conditions of 300,000 people through improved sanitation, waste water treatment and recycling***



bron afbeelding: [www.rvo.nl](http://www.rvo.nl)



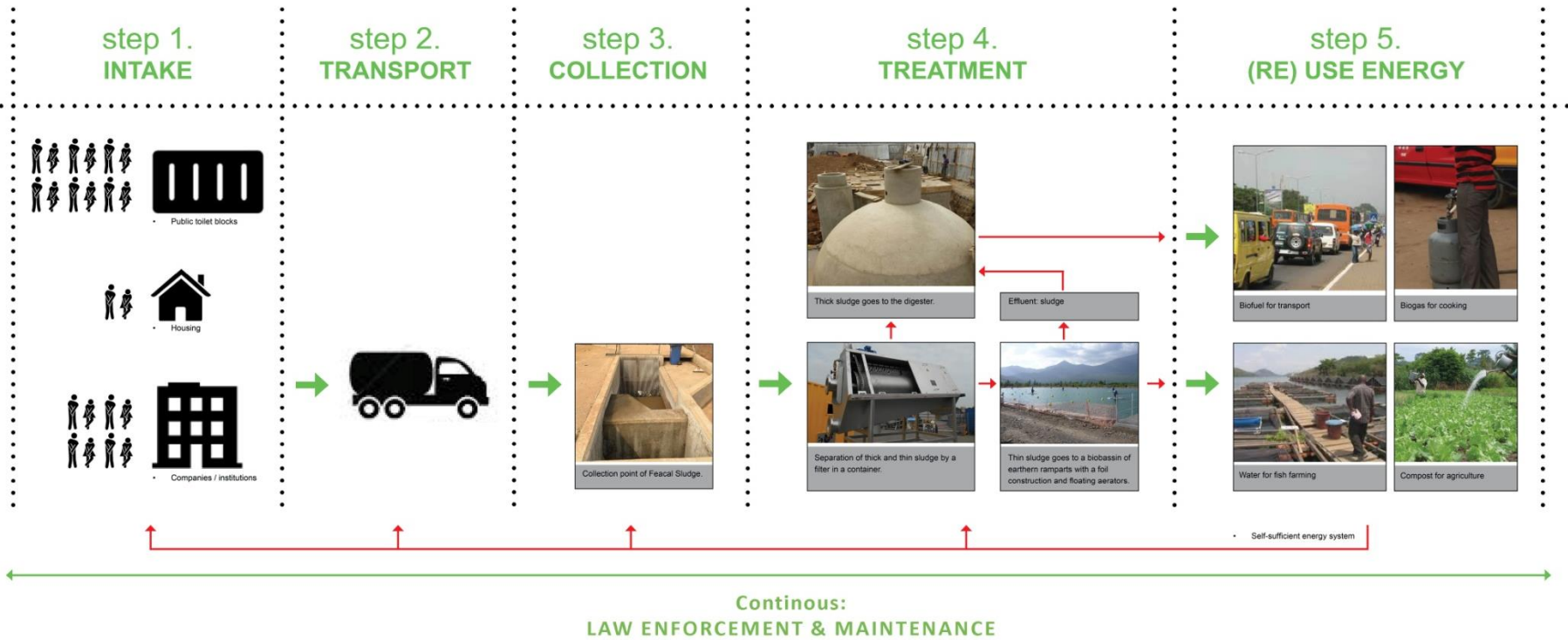
- Full and integrated water chain approach
- Collaboration between all stakeholders
- Technology *and* People
- Build *and* maintain



# The re-cycling chain of waste water

## Business case The Special Treat Project Ghana

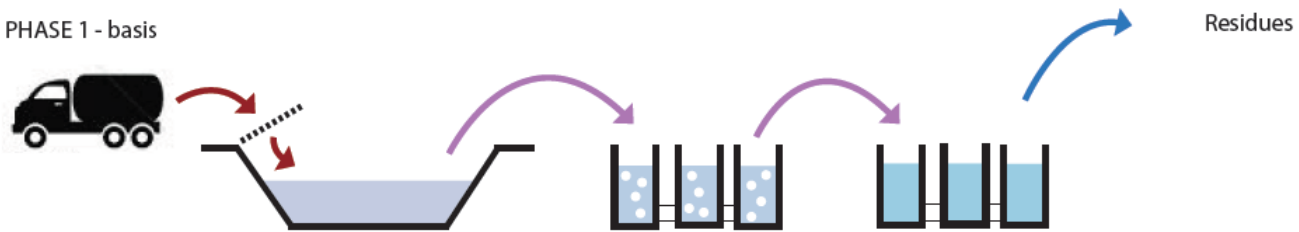
- Steps in the proces
- Flows of energy



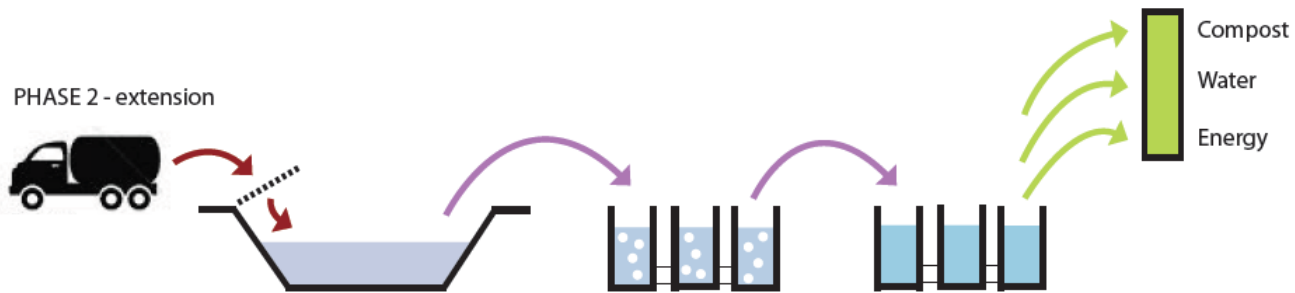


## MODULAR SYSTEM

PHASE 1 - basis



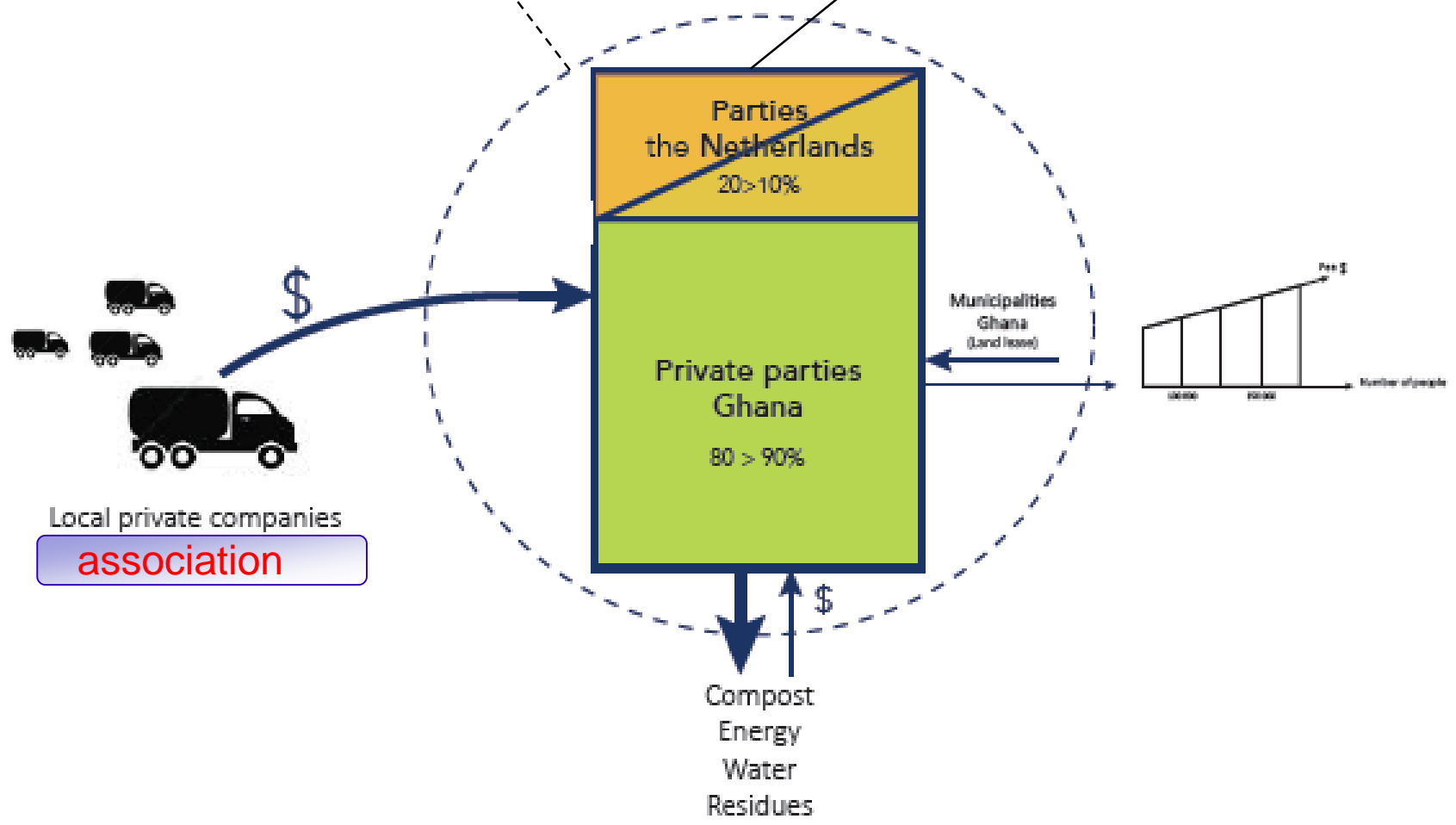
PHASE 2 - extension

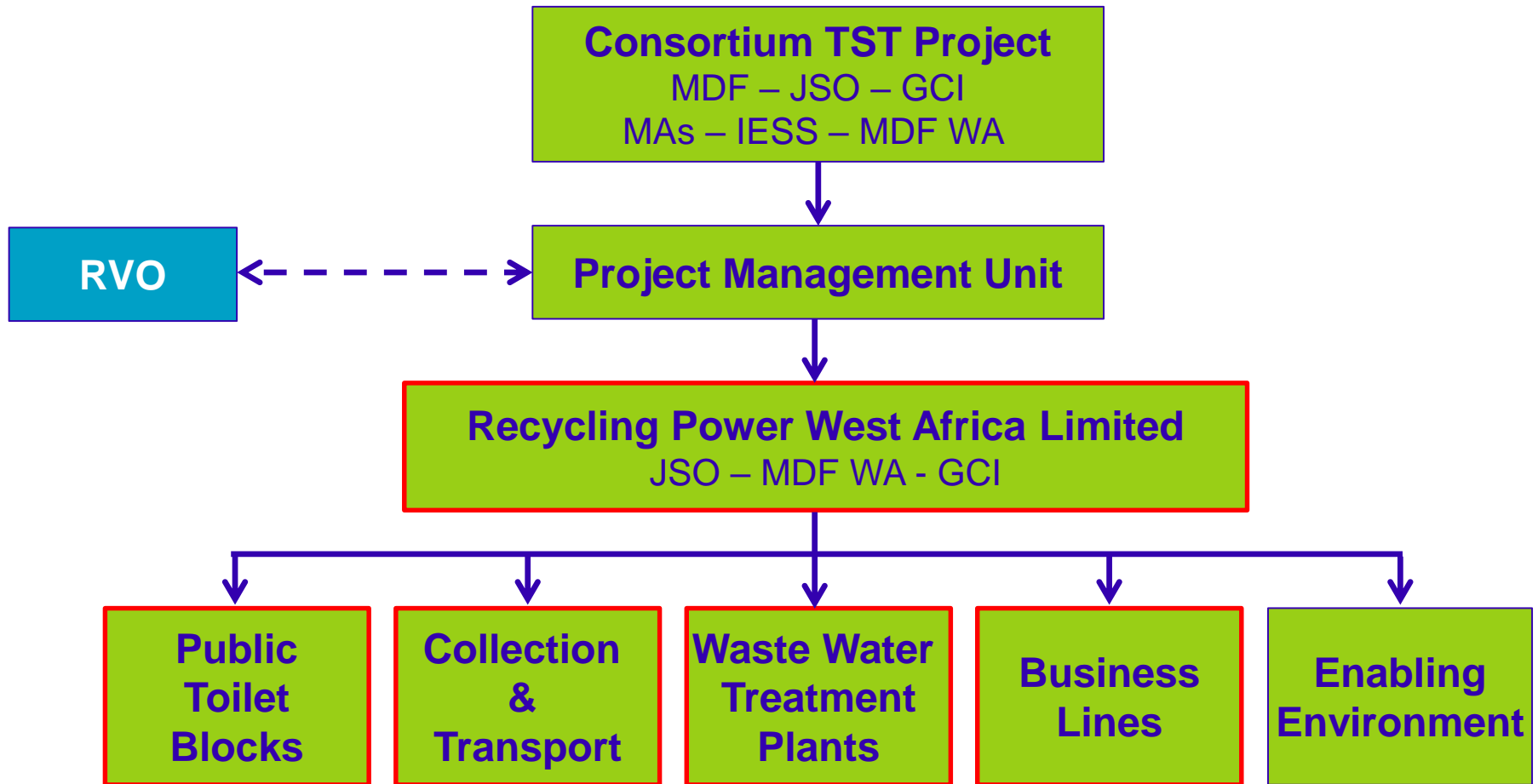




Enabling environment

Operating plant(s)





## Consortium partners:



## Collaborating parties:



Ghana Prisons Services



Ghana-Netherlands  
WASH Programme GNWP

## Potential subcontractors:



1. Feb 2015 - Application to Netherlands Enterprise Agency (RVO) under Ghana Netherlands WASH Programme (GNWP)
2. July 2015 - Approval from RVO for 70% funding
3. July 2015 – January 2016 ext. to 1<sup>st</sup> September 2016 - Inception Phase to prepare plan for implementation and submit report
4. October 2016 – Feedback from RVO for additional documents
5. **14 March 2017**– Final approval from RVO for implementation
6. JV in process of finalizing registration

**Thank you**