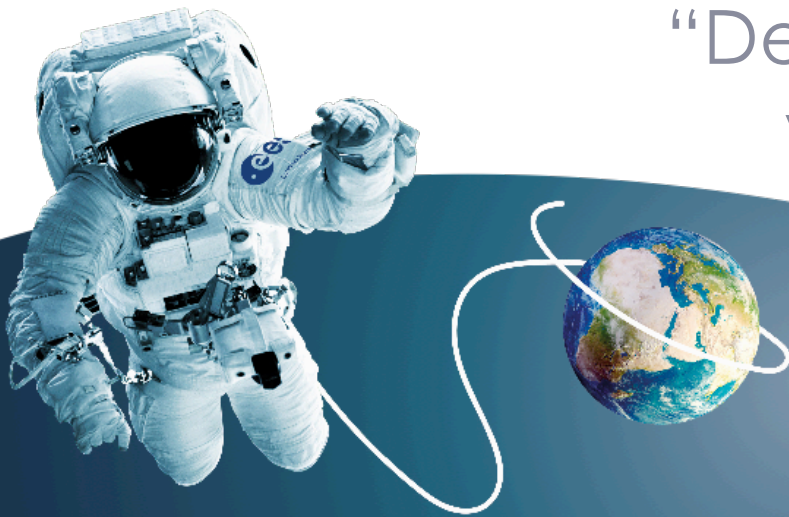




CREATING
A CIRCULAR
FUTURE

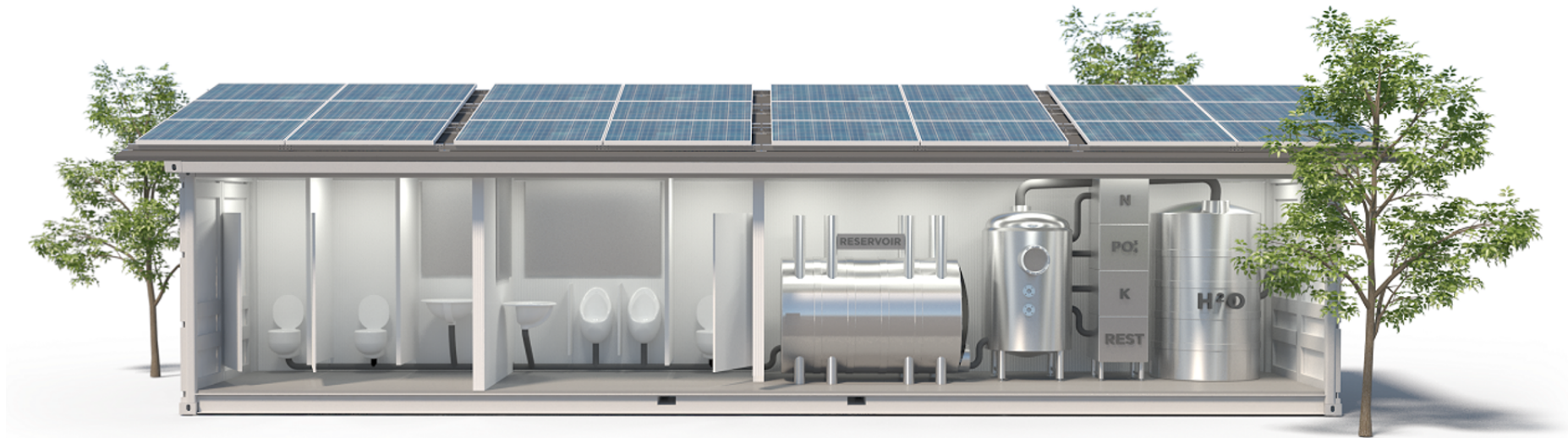
Closing the sanitation loop

“Decentralized sanitation & waste water treatment concepts”



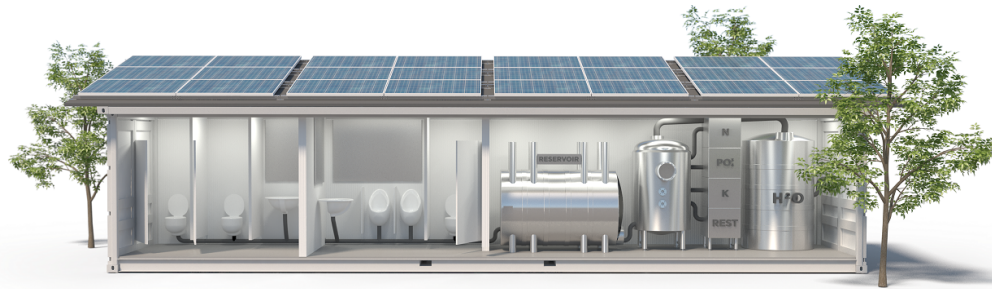


SEMILLA Sanitation





Prototype helped creating building blocks



1



Drinking water unit

2



Sanitary facilities

3



G, Y, B water treatment

4



Growing systems



Energy

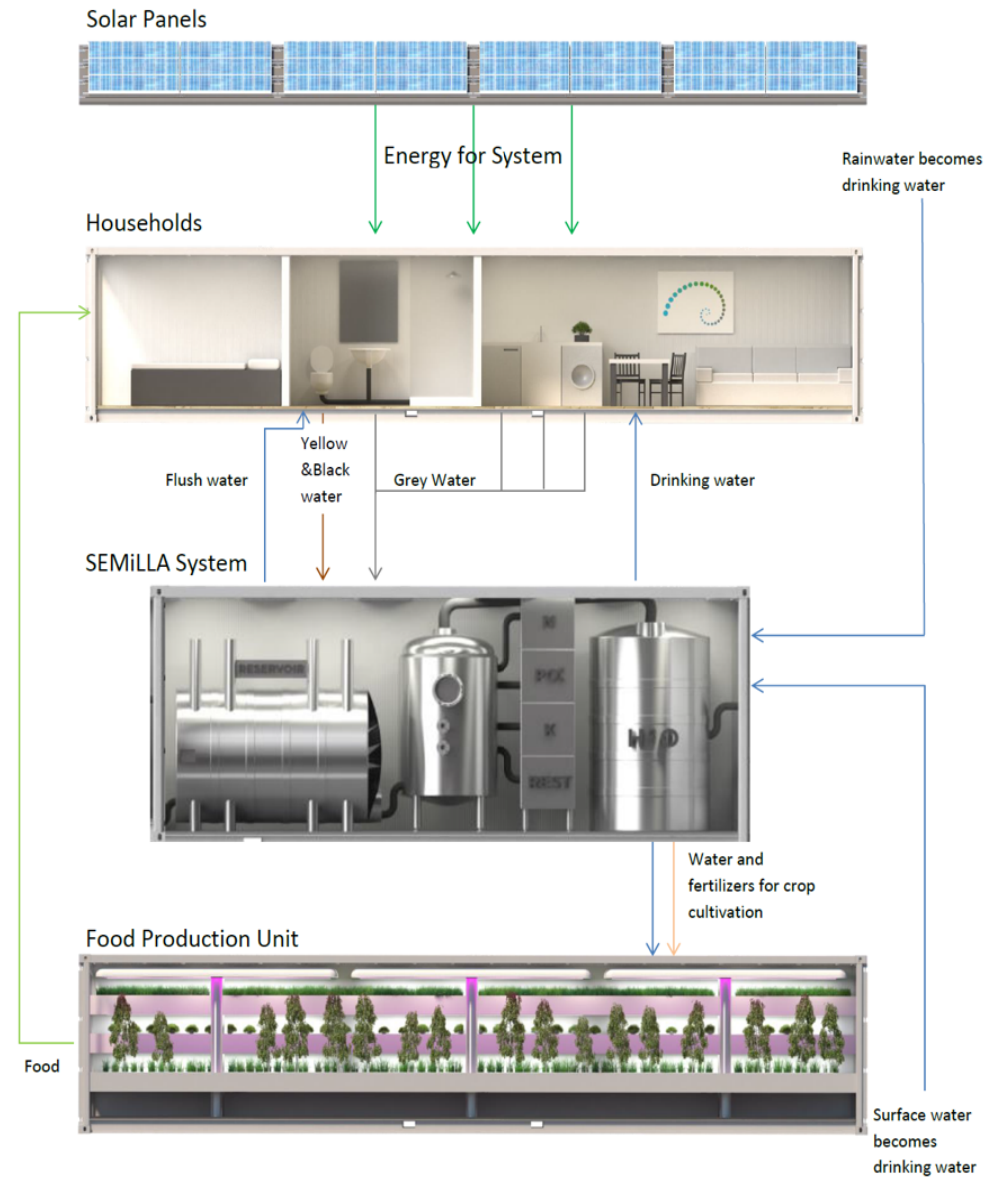
Living

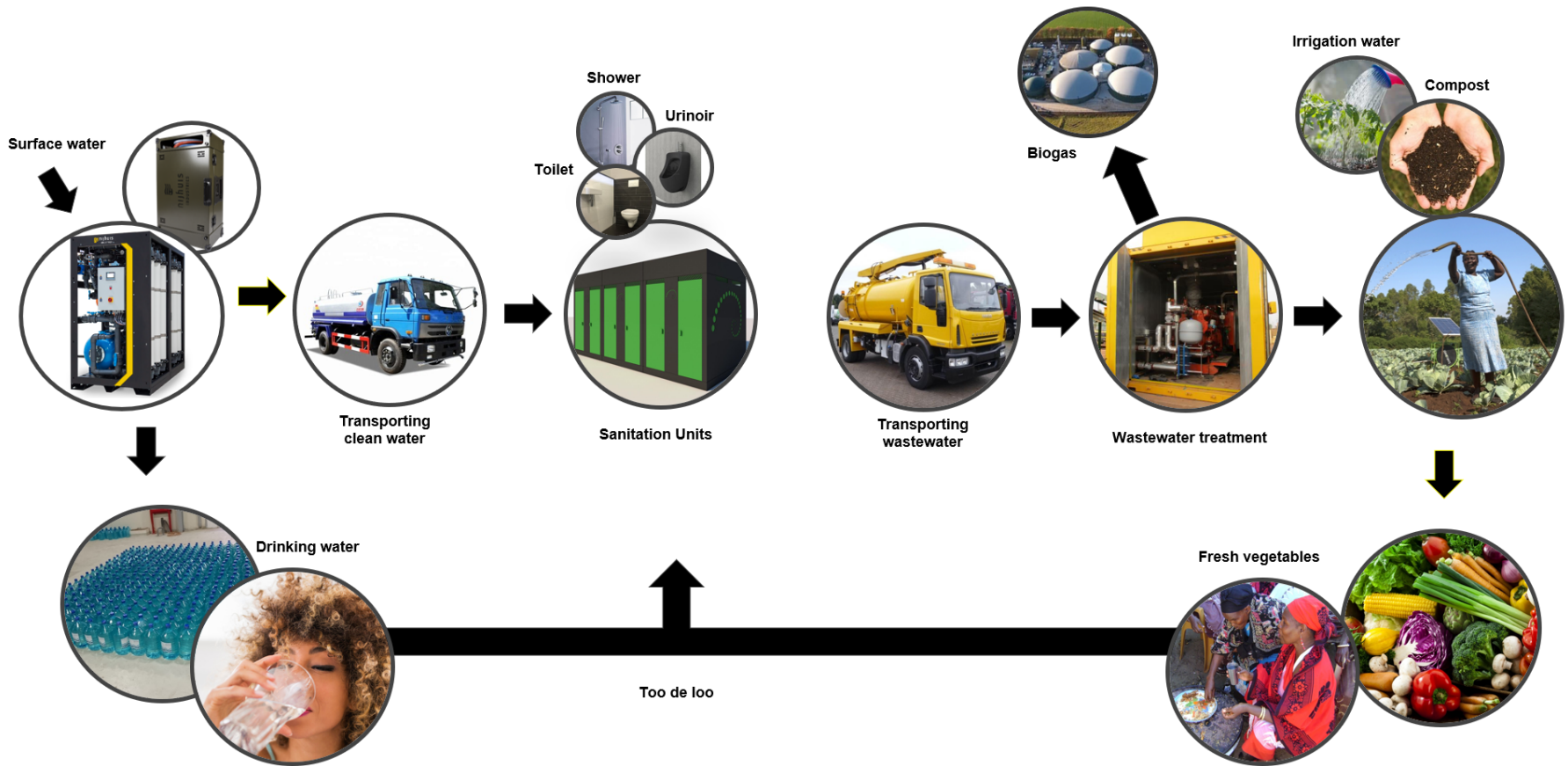
Wastewater treatment

Innovation

Food production

Buildings





Humanitarian Aid



Deliverables?

- Basic necessities for life
- Working on Sustainable Development Goals 2 and 6
- Creating jobs
- Education & Innovation
- Feasible business case
- Local economical development





IN PRACTICE:





Join the journey
Use the #FromWasteToTaste
toilets during #ESNS19





Grey water treatment for reuse flushing water Festival Zwarte Cross





Struvite production & Research drugs residue festival Lowlands





Demo Urine treatment Open Day ESA 2019 + Wereld Haven Dagen





Urine collection City of Amsterdam & reuse of water and fertilizer





Black water treatment & composting festival Eurosonics

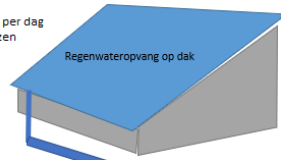




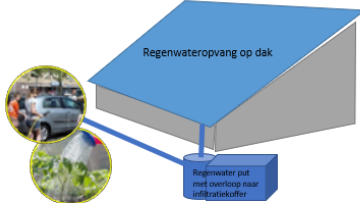
Lead to new project ' HEUVELSTRAAT '

Regenwater (Drinkwater)

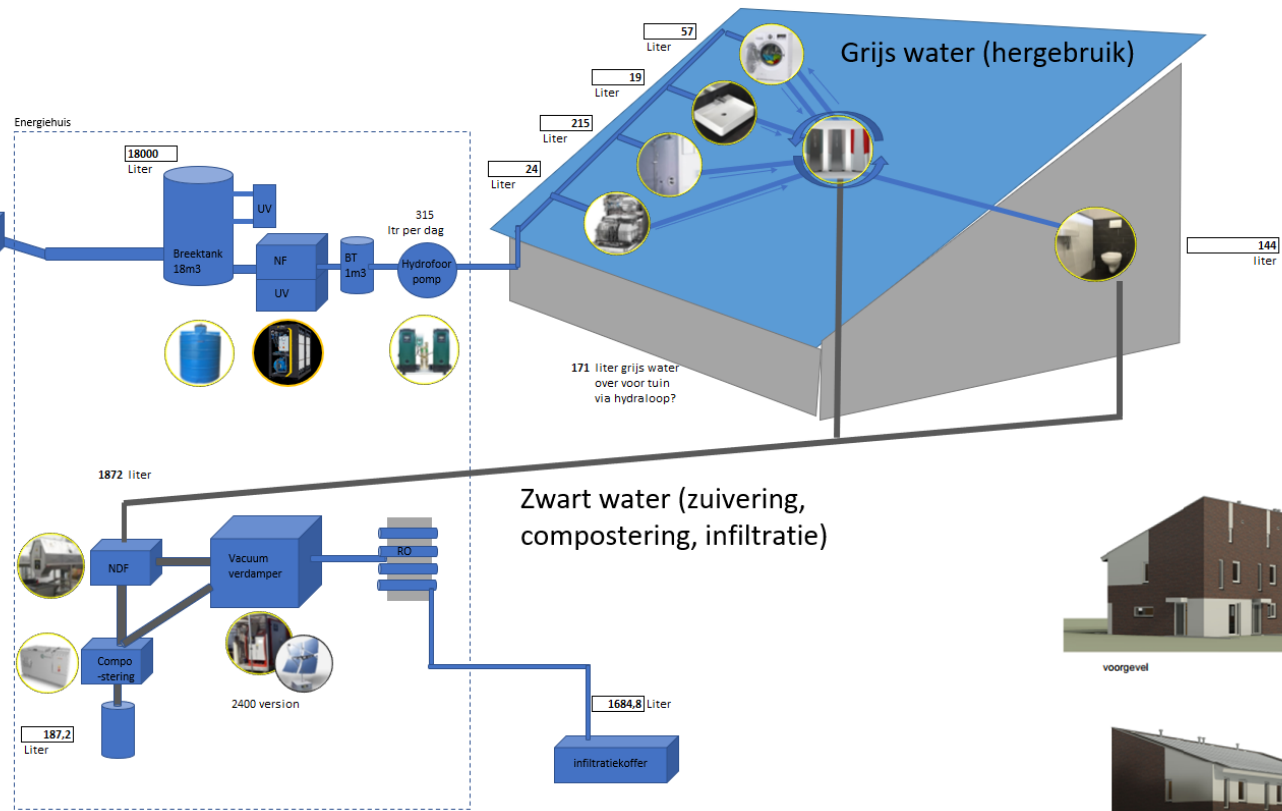
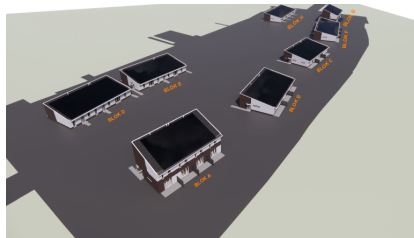
44 mm per dag
6 huizen



Regenwater (Auto + Tuin)



29 liter
2 huizen !!!!



voorgevel



achtergevel

MELISSA



MICRO-ECOLOGICAL
LIFE SUPPORT SYSTEM
ALTERNATIVE

THANK YOU.

Peter Scheer

SEMILLA Sanitation

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IN COOPERATION WITH

