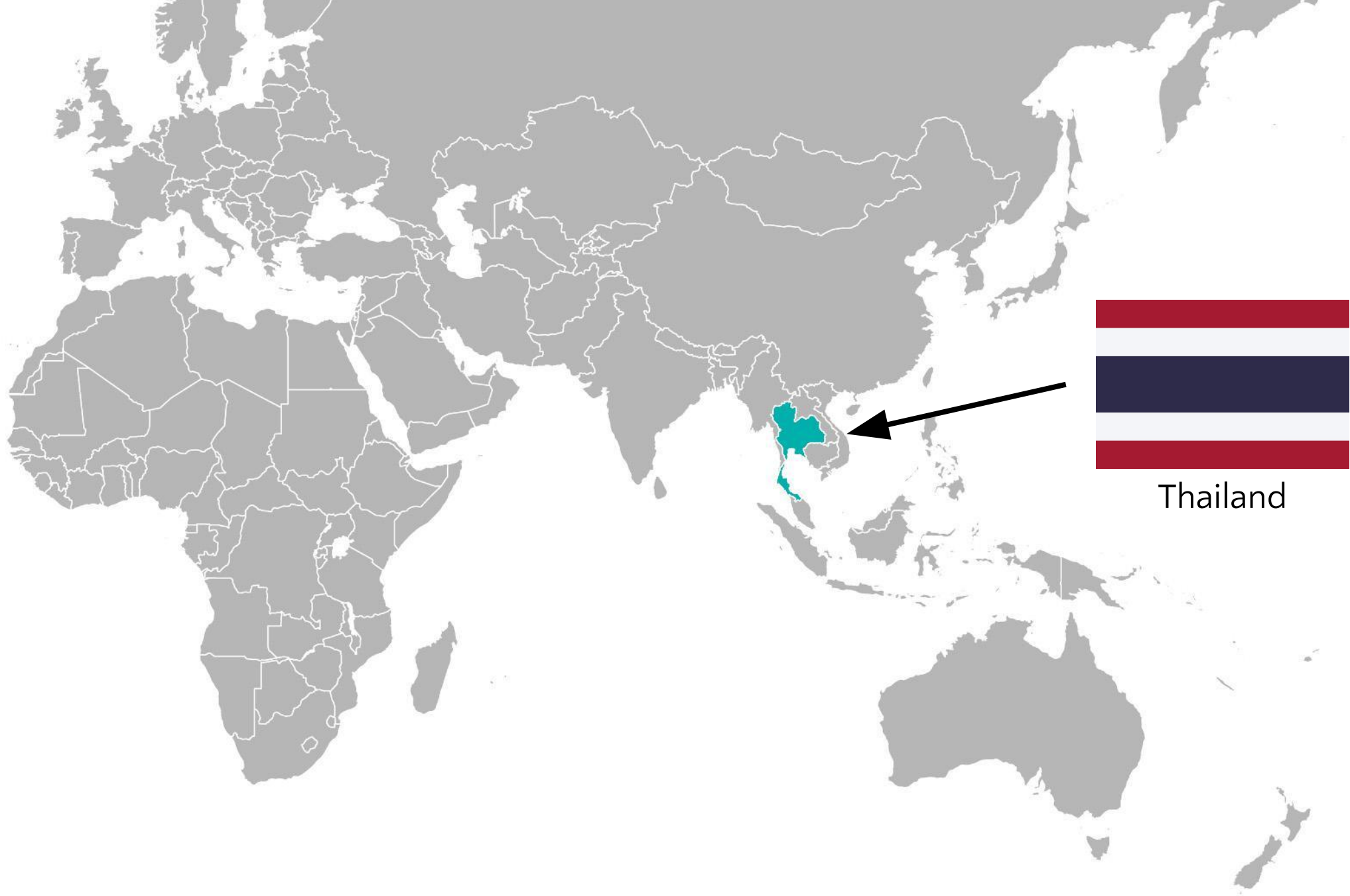




Technology Introduction



Thailand



Police Apartments

Thungsonghong, Thailand

Status: Operational since June 2020

Facility:

- Residential apartment block

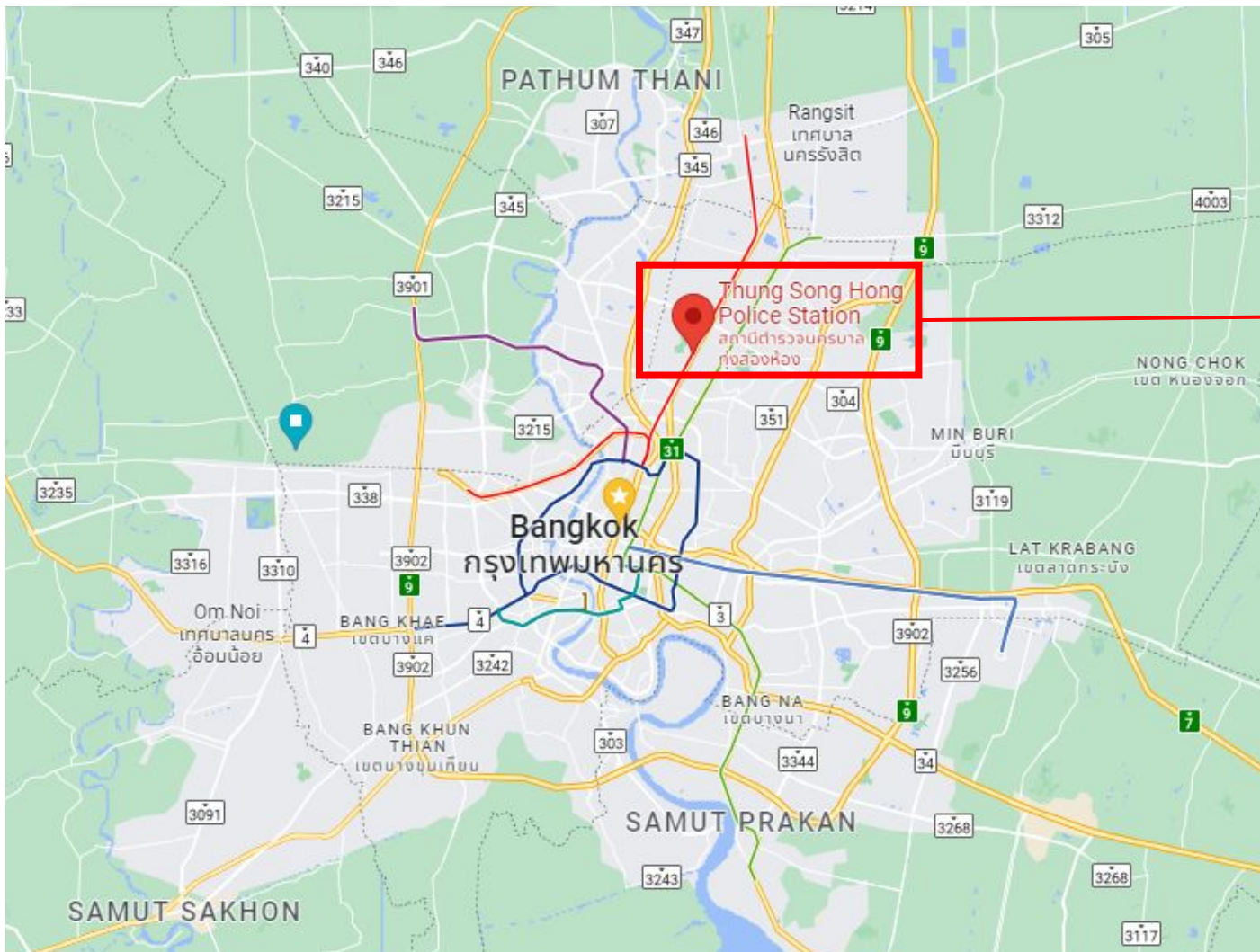
Treated Waste

- Grey water from domestic use

Technology setup:

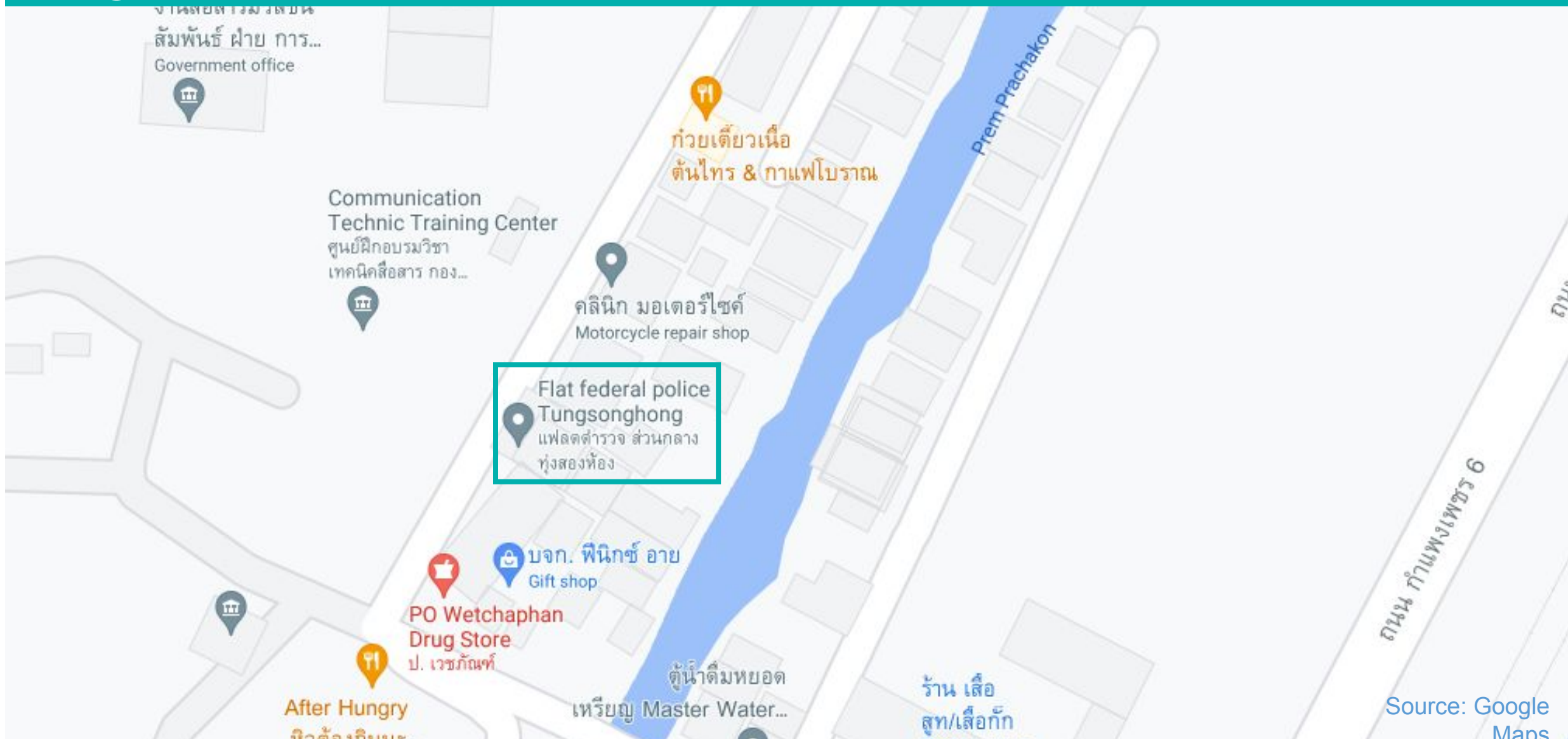
- 1 x Aquonic 600L with EC Box disinfection

Bangkok, Thailand



Lak Si, Bangkok,
Thailand

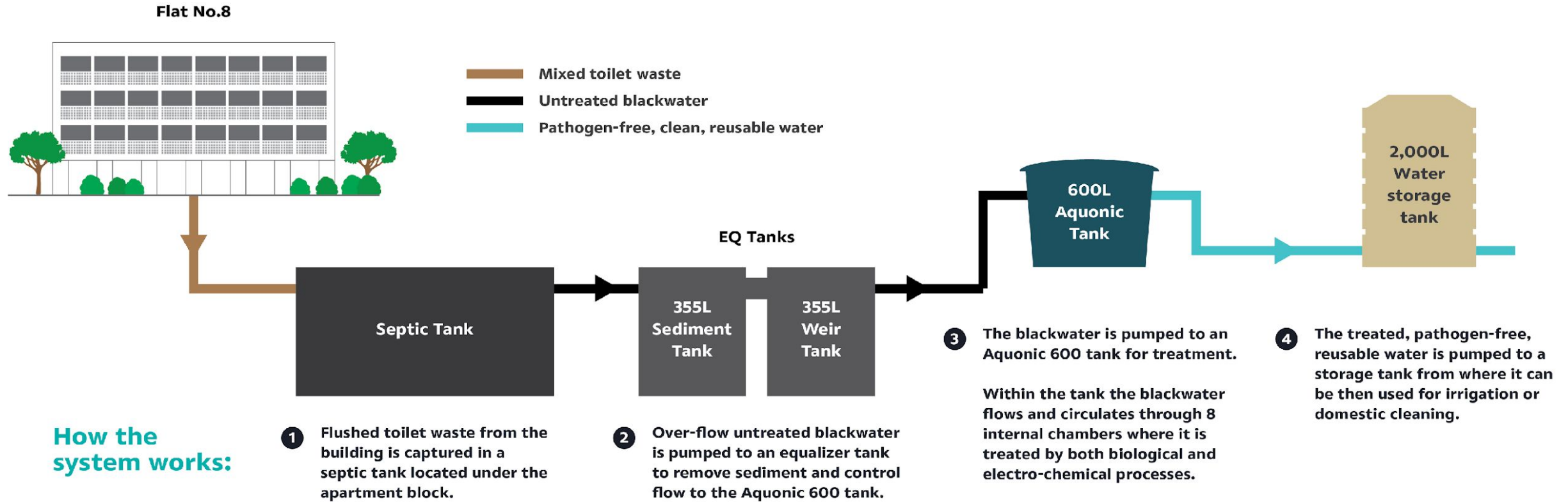
Bangkok, Thailand



Police Apartments, Bangkok

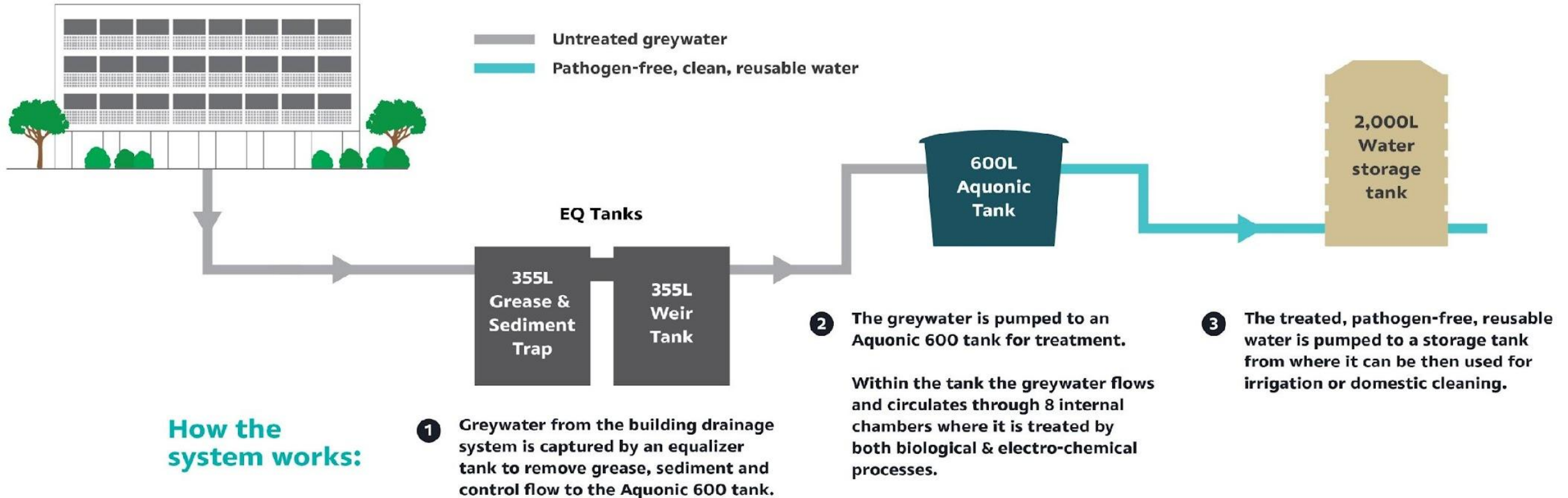


Police Apartments, Bangkok



Bangkok, Thailand

Flat No.8



Bangkok, Thailand



How to Calculate Number of Required Aquonic

Basic idea - Calculate for the maximum generation of wastewater per site

Info required

- 1) Number of toilet cubicle – e.g. 5
- 2) Volume of the toilet flush or pour – e.g. 6L
- 3) Number of hours per day the toilet is open for use – e.g. 8h
- 4) Number of days per week the toilet is open for use – e.g. 5 days

Assumptions

1. Use assumption that 1 person use toilet for 10min and flushes twice
2. Use assumption that 1 x Aquonic can treat 1000L per day, 7 days per week

Example calculation

Max wastewater per day for 1 toilet cubicle
 $= 6L \times 2 \times 6 \times 8 = 576L$

Max wastewater for toilet block per week
 $= 576L \times 5 \text{ cubicle} = 2,880L \times 5 \text{ days} = 14,400$

Required Aquonic tanks =
 $14,400 \div 7 \text{ days} = 2,057L \text{ per day} \div 1000L = 2 \text{ Aquonic}$

Go Global
Act Local

