



Water purification station Concept

Simone Stemmler-Witschi, 22 Oct, 2022



Hilfsprojekt
MARIPHIL
SWITZERLAND

Rationale

Mariphil Children Village in the Philippines is mainly dependent on donations out of Europe. In times of crisis it is even more important not only to rely on one source of income.

In order to become more independent Mariphil Switzerland has been looking for solutions for income generating projects. With a water purification station in Tubod, Mariphil aid projects found a solution where not only the children village can benefit from the income. A water purification station also gives young adults from the children village an opportunity to enter work life. Furthermore, it generates workplaces and local inhabitants can benefit from cheap and clean water.

Goals*

1. To ensure a sustainable* source of income for the Mariphil children village/PMFI**
2. To augment life cycle of the children of Mariphil's children village with the opportunity of work entry

*Main challenge according to Ruth Graumann, principal of Mariphil North, referring to another water purification project at the dumpside of Davao that has been closed a few years after opening due to low maintenance.

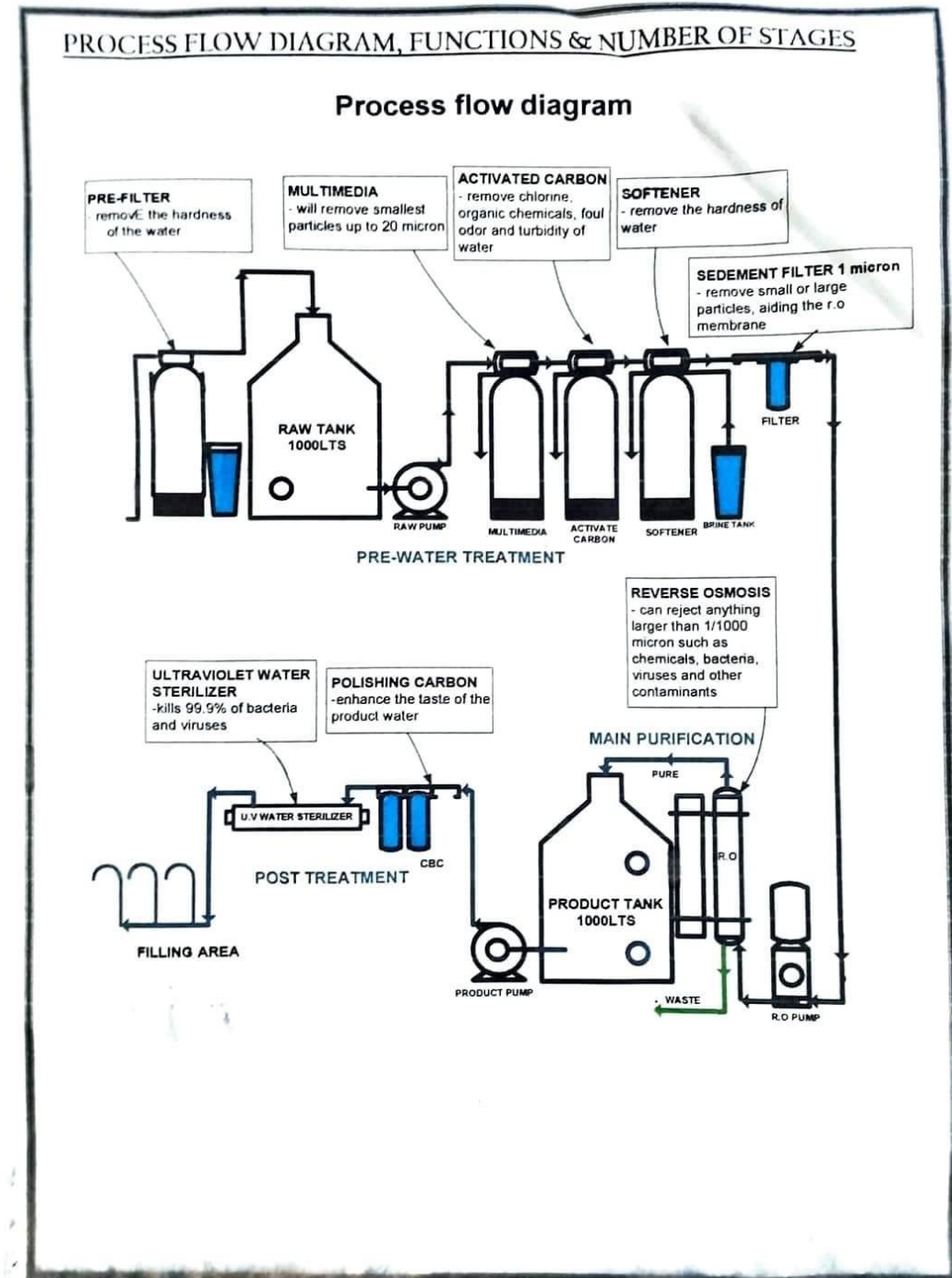
**Foundation
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Idea

- In order to attract many customers it was decided to build the water purification station on a pre-owned property amidst of the village of Tubod. It is big enough to hold the water plant and – in a second phase – has space to run another business, such as a laundry station or a little cozy Café.
- There are benchmark water stations nearby, however they are known for quality issues
- Water plant suppliers filing in an offer have inspected the property and gave the go-ahead. However, if it is decided to build our own water plant it is a prerequisite to run a test drill in order to ensure the water quality is reasonable.

Water plant

- Justification for the purification system: Positive feedback by two plant operators (plant implementation 1 and 8 years ago, respectively)
- Floor plans are provided only after signing the contract





OO HUAWEI nova 7 5G
OO AI QUAD CAMERA

Precondition operational organisation

- Daily testing of the water quality
- Regularly checking on other maintenance issues
- Closely monitoring the operational figures (customer volume, sales numbers, revenue, win/loss)
- ...

Further preconditions

- Work entry opportunity for young adults needs to be integrated in the life cycle of the children of Mariphil's children village/students of PMFI
- All but subcontractors (also Children village) need to pay full price (15php)
- Controlling mechanism (deposit, water meter, Kassa (billing / clearing system per bottled water), receipt reporting)

Facts & Figures

- Property in Tubod: 21m * 12m (252m²), directly bordering a paved street
- 30m² is expected to be used for the building with the plant
- In order to have room for additional business, the building with the plant is supposed to be situated furthest away from the street
- Production plant at property in Tubod
- 2 water selling locations: production plant and children village
- Logistics with daily school bus commuting to bring and pick up children from school

Organisation

Project

Joint venture

- Mariphil Switzerland
- Mariphil e.V.
- Mariphil North

Project team

Isabel Riester (lead)
Simone Stemmler
Beat Stemmler
Ueli Brunner
Martin Riester
Helmut Glocker

Operation

Joint venture

- PMFI Property
- Children village Water plant

->Operational result (win/loss) will be 50/50 shared

Responsibility On-site

- 1 BOD of the Philippine's organisation (lead)
- 1 employee (to be recruited)
- 2-3 ILs (young adults from the children village)