

## Design concept

### Retrofitting

To support the "rent a toilet" concept, the toilet unit has been developed as a mobile furniture piece with ultra-compact measurements to fit in existing superstructures.



Photomontage of a retrofitted superstructure

### Local manufacturing / Co-creation

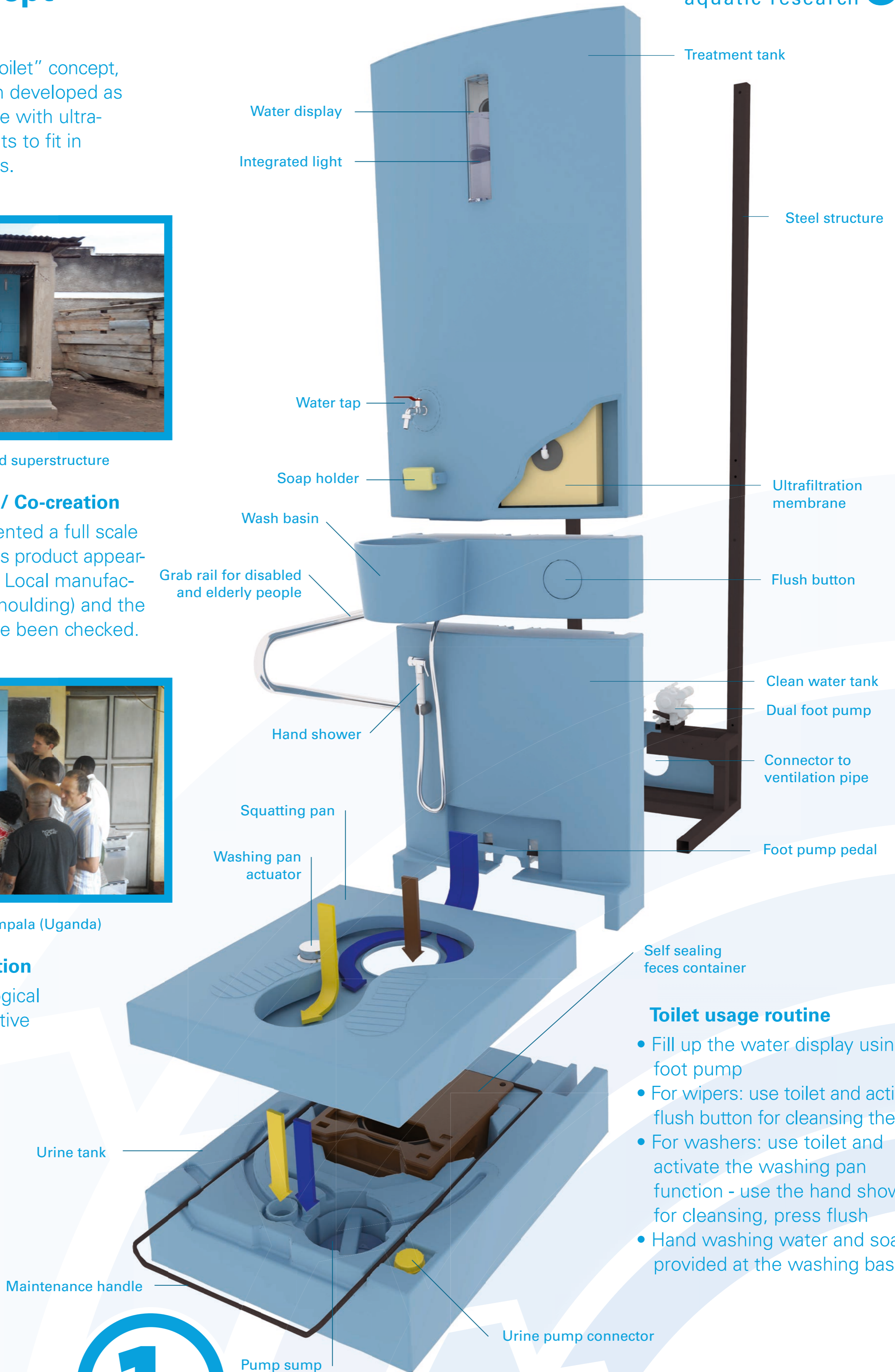
The design team presented a full scale design model to discuss product appearance and functionality. Local manufacturing (e.g. rotational moulding) and the availability of parts have been checked.



Co-creation workshop in Kampala (Uganda)

### Three stream separation

To enable the technological project idea, an innovative toilet pan had to be designed to separate urine, feces and flush water for separate recovery. The result is a urine diverting dry toilet with a cistern flush cleansing function.



### Toilet usage routine

- Fill up the water display using the foot pump
- For wipers: use toilet and activate the flush button for cleansing the pan.
- For washers: use toilet and activate the washing pan function - use the hand shower for cleansing, press flush
- Hand washing water and soap is provided at the washing basin.