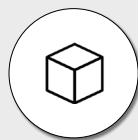


REQUIREMENTS



Space
0.05 m², 0.1 m³/p.e. for backend technologies
(in total 1 m², 2 m³)



Energy use
0.05 kWh/day/p.e.
(in total 1 kWh/day)



Cost
n/a



Operations & Maintenance
By exhibition curation team on-site (architects), monthly maintenance (development engineers)

TARGET OUTPUT



Compost
To be used as a soil improvement on local farmers fields
(16 kg/p.e./year)



Dry NPK fertilizer
Could be used as a fertilizer for local greenery
(25 kg/p.e./year)



Treated water
The treated water is reused on site to wash hands
(About 60 l/day)



© Image: Juliane Gerb (Arch+ and Summacumfemmer)
Graphic: Delia Gregori

p.e. = Population Equivalent
CAPEX = Capital Expenses

German Pavilion at the Venice Biennale

May – November 2023
15–20 exhibition visitors per day

As part of the 18th Architectural Biennale di Venezia, a completely autonomous working washroom was installed as a combined exhibition and living lab in the German Pavilion. Two novel waterless toilet systems served as frontends for an on-site urine treatment system and a feces collection at the backend. Handwashing water was treated by a reverse osmosis unit and reused on-site.

Giardini della Biennale,
Sestiere Castello 1260,
30122 Venice, Italy

