



LooPi: PLANT-BASED UNISEX PUBLIC URINAL

Climate change is driving investment into urban-greening such as parks, green roofs and vertical ecosystems. But such infrastructure requires significant irrigation and nutrient input, requiring constant investment and placing strain in limited water resources.



TECHNICAL DATA

4,2m l x 2,3m h x 2,2m w
 max weight: 10 tonnes
 capacity: 50l urine / 24h
 energy source: PV



LooPi treats wastewater from the urinal in an integrated vertical ecosystem, re-using it again for flushing the urinal, closing the available water and nutrient loops. The urinal is designed to be used by all genders and children.

CURRENT STATUS

LooPi is currently being optimised under SdZ National Project No: 873533, to integrate biochar to capture and recycle all nutrients.



WHY YOUR CITY NEEDS LooPi

- movable & off-the-grid
- water & energy autonomous
- stylish modern public toilet
- gender neutral
- beautiful & functional plant-wall
- inner-city bio-diversity
- cooling & humidifying
- nutrient recovery

ARE YOU INTERESTED?

As an SME focused on innovative research and innovation, we are always on the lookout for industry partners and/or prospective buyers and/or demonstration venues. If you can see yourself (or your city!) in any or all these roles, please reach out. We would love to hear from you.

LooPi BETA-VERSION PROJECT

Funding program: Stadt der Zukunft - Austrian Ministry for Transport, Innovation and Technology via Austrian Research Promotion Agency
Funding rate: 60%
Duration: 10/2019 - 12/2021
Beneficiary: alchemia-nova GmbH
Project partner: University of Natural Resources and Life Sciences Vienna (BOKU IBF & SIG)
Design partner: EOOS Design GmbH

CONTACT US NOW!

Theresa Heitzlhofer
 th@alchemia-nova.net
 0043 650 824 94 20

Francesco Menconi
 menconi@alchemia-nova.net
 0043 660 6699939

