BETTER ENERGY BY DESIGN

SUBMISSION: BIOBREAK

Designed by Manuel Steffan, Paul Rees 30. March 2023

This project was not done in collaboration with any company at any time. The project is merely conceptualized on existing systems as an update rather than a new product by itself.



New floor unit for existing mobile toilet systems that separate liquid from solid human waste in order to reuse these as natural fertilizers for agriculture and as a resource for generating biogas.



> RESOURCE

- 1. SAVE ENERGY BY SAVING WATER
- 2. LOCAL ACCESS TO CLEAN AND USABLE SANITARY INFRASTRUCTURE
- 3. NO ENERGY WASTED IN DISPOSAL OF SEWAGE
- 4. REPURPOSING OF HUMAN MANURE FOR (REGIONAL) AGRICULTURAL NEEDS
- 5. REDUCE USE OF NATURAL GAS BASED CHEMICAL FERTILIZERS

DO-IT-YOURSELF



Difficult to scale

INDIVIDUAL



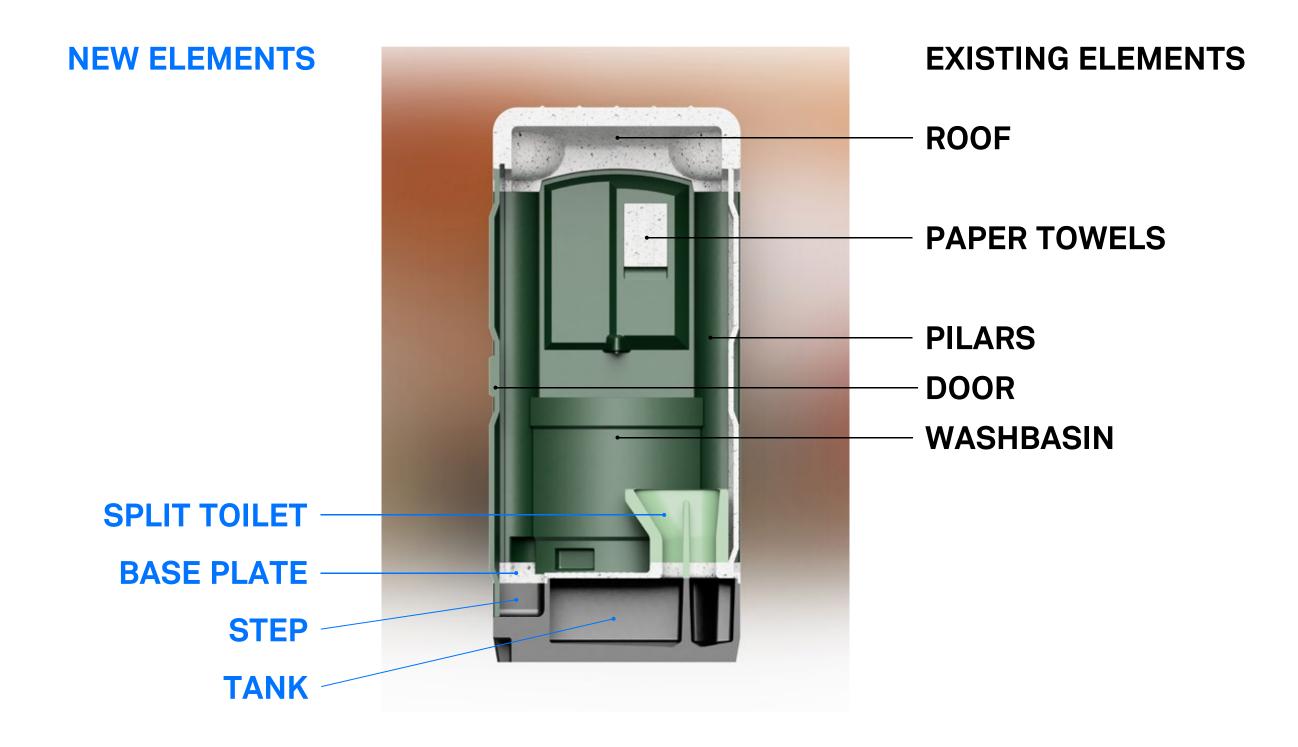
Impact only on a small scale

FUTURISTIC



Not compatible with current systems









TANK

BASE PLATE

TOILET





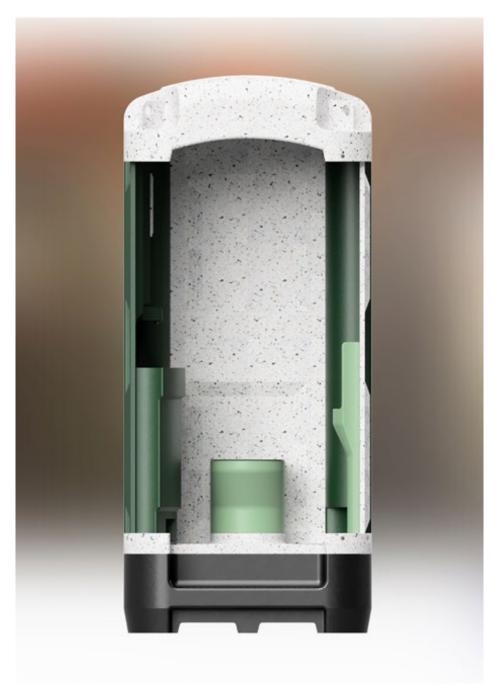


Interface connecting all the parts



Presorting the manure







THANK YOU

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