



PORTABLE TOILET

MEDOUNE BOYE DIOP

TECHNICAL AND FUNCTIONAL DESCRIPTION OF A MODULAR MOBILE SANITARY BLOCK

General Concept:

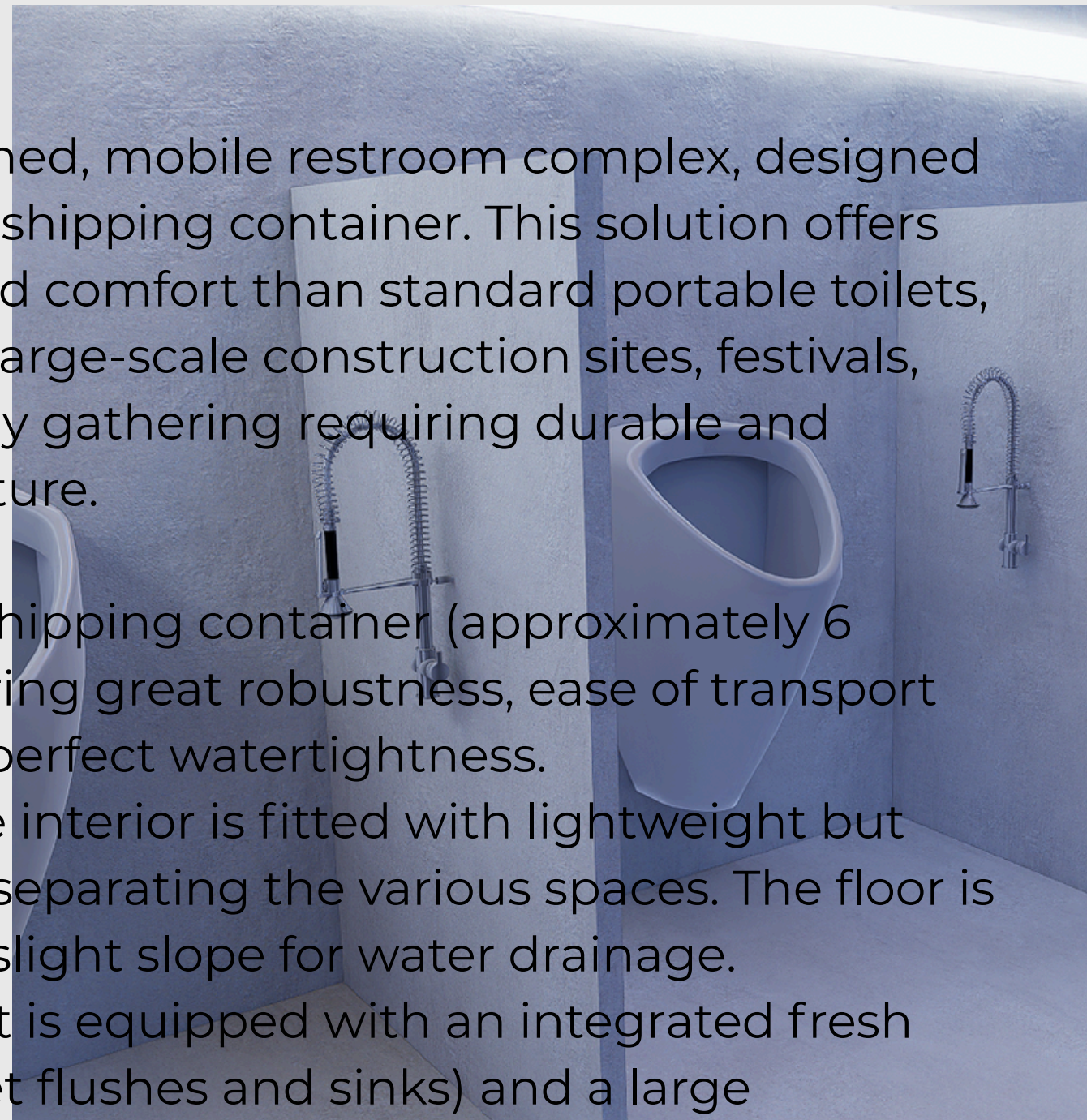
This is a self-contained, mobile restroom complex, designed from a repurposed shipping container. This solution offers greater capacity and comfort than standard portable toilets, making it ideal for large-scale construction sites, festivals, public events, or any gathering requiring durable and hygienic infrastructure.

Basic Structure:

Chassis: A 20-foot shipping container (approximately 6 meters long), ensuring great robustness, ease of transport (truck, crane), and perfect watertightness.

Interior Design: The interior is fitted with lightweight but durable partitions, separating the various spaces. The floor is non-slip and has a slight slope for water drainage.

Autonomy: The unit is equipped with an integrated fresh water tank (for toilet flushes and sinks) and a large wastewater collection capacity, allowing for extended use without the need for frequent emptying.



Layout and Equipment

The layout is designed for smooth circulation and a logical separation of functions.

1. Urinal Area (Men's Side):

Equipment: Three individual urinals, equipped with dividers for privacy.

Functionality: Each urinal is equipped with an automatic or manual flush system, ensuring a clean and hygienic evacuation after each use.

Materials: High-quality earthenware or resin, easy to clean and durable.

2. Stall Area (Mixed Side):

Equipment: Six individual and private stalls.

Functionality: Each stall has:

A manual or automatic flush toilet.

A toilet paper dispenser.

A hook for jackets or bags.

Natural or mechanical ventilation.

A functional interior lock.





SINK AREA



Equipment: One or more stainless steel or resin sinks, installed at the exit of the stalls and the urinal area.

Key Hygiene Feature: Each sink is equipped with an automatic washing system.

Electronic Faucets: The faucets automatically activate when hands pass through, limiting contact and saving water.

Dispensers: Liquid soap dispensers (detergent and disinfectant) and paper towel dispensers or a jet air hand dryer are available.

Benefits: This automatic system is crucial for encouraging and facilitating handwashing after use, significantly improving the overall hygiene of the facility.



ADVANTAGES AND STRENGTHS

Avantages et Points Forts

- Capacité et Confort : Neuf postes de toilettes au total permettent de désengorger les files d'attente rapidement.
- Haut Niveau d'Hygiène : Les systèmes de chasse d'eau et de lavage des mains automatiques minimisent les contacts avec les surfaces, réduisant la propagation des germes.
- Robustesse et Durabilité : La structure en conteneur est bien plus solide et sécurisée que les modules en plastique.
- Mobilité et Installation Rapide : Une fois livré sur site, le bloc est immédiatement opérationnel. Il ne nécessite pas de raccordement aux réseaux d'eau et d'égout (sauf version avec raccordement permanent).
- Image Professionnelle : Offre une image bien plus positive et professionnelle qu'un simple sanitaire plastique, surtout avec l'option lavage des mains intégrée.





In summary, this containerized mobile toilet is a premium, hygienic and efficient solution, designed to meet important needs while ensuring the comfort and cleanliness of users.



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