

SMART TOILET



By



COMFORT | SAFETY | INNOVATION





PAPER

FLUSH

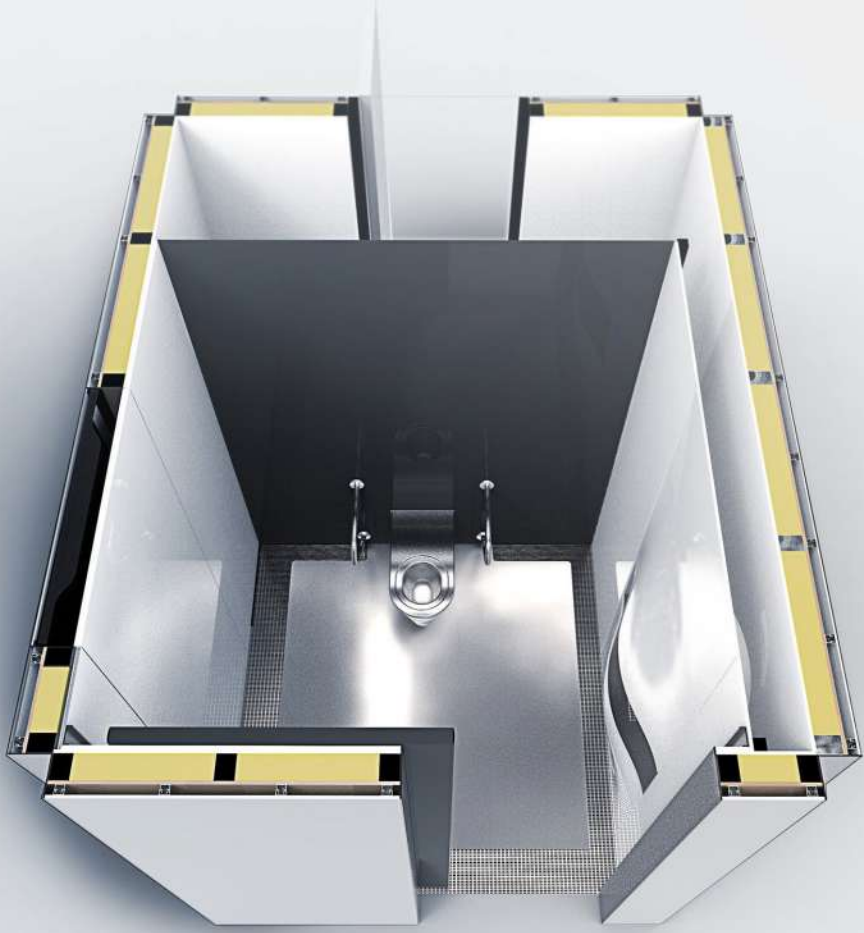
TRASH

SOAP

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niu

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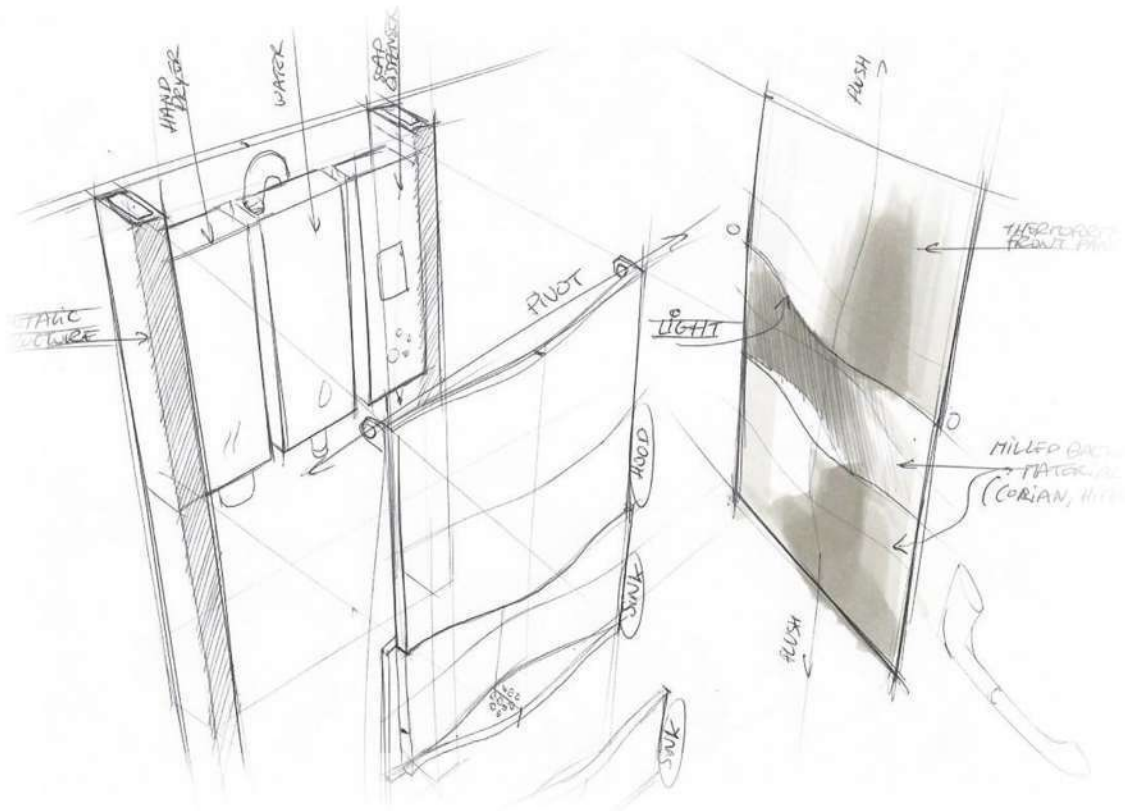
ABOUT

NIU smart toilet is the latest division of Comac Corporation specialized in manufacturing of smart toilets in North America. Our goal, to create the perfect smart self-cleaning bathroom with the highest efficiency at the lowest cost.

To do so we have brought together the best engineers to create the world first revolutionary Smart Bathrooms to meet today and tomorrow requirements. The NIU Smart bathrooms are designed with one goal; Comfort, Safety & Innovation.

Our line of products offers conventional and smart toilets at affordable prices with the best warranty in the market. Our mandate, to create the first and unique self-cleaning bathrooms that offers 99,99% bacteria and virus free environment.

Our production capabilities are in Canada, USA, Mexico, Middle East & Africa.



TECHNOLOGY

The latest technological advances at NIU offers the best hygienic results, affordable pricing, 99,99% bacterial free environment, Remote accessibility, modular design and customizable models.

All our models offer a free contact environment through automation and remote monitoring allowing for touchless bathrooms.

The “plug and play” setups & modular design reduce installation costs & time allowing easy maintenance and repairs.

NIU’s system cleans, dries and disinfects the toilet and its surrounding space through high pressure water as well as UV light. We are the only manufacture in the world who use this technology.

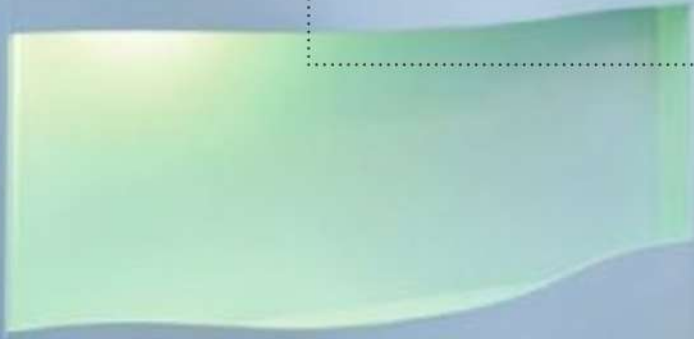
The NUI Smart bathroom also offers modular design with option to always add to the existing technology or infrastructure. Making it easy to upgrade your bathroom at any given time.

The light composite material used to furnish the inside of the bathroom allows for an easy & low cost of the transport.

The NIU smart bathroom is perfect for all LEED, BOMA, Green Spec and ADA projects.

self-cleaning





NIU ENGINEERING

Its structure consists of 3D clean system and it may include cleaning floor, presence sensors and automatic door closing system.

The unit is disinfected using UV light integrated into the top of the walls, the washbasin by hidden UV light above the washbasin and the toilet bowl by hidden UV light in the technical room. These locations were chosen for better efficiency and to better respond to vandalism.

High pressure water jets clean the floor and the top of the toilet bowl. The bowl is dried with forced air.

Permanent air purification system using UV light installed in the technical room.



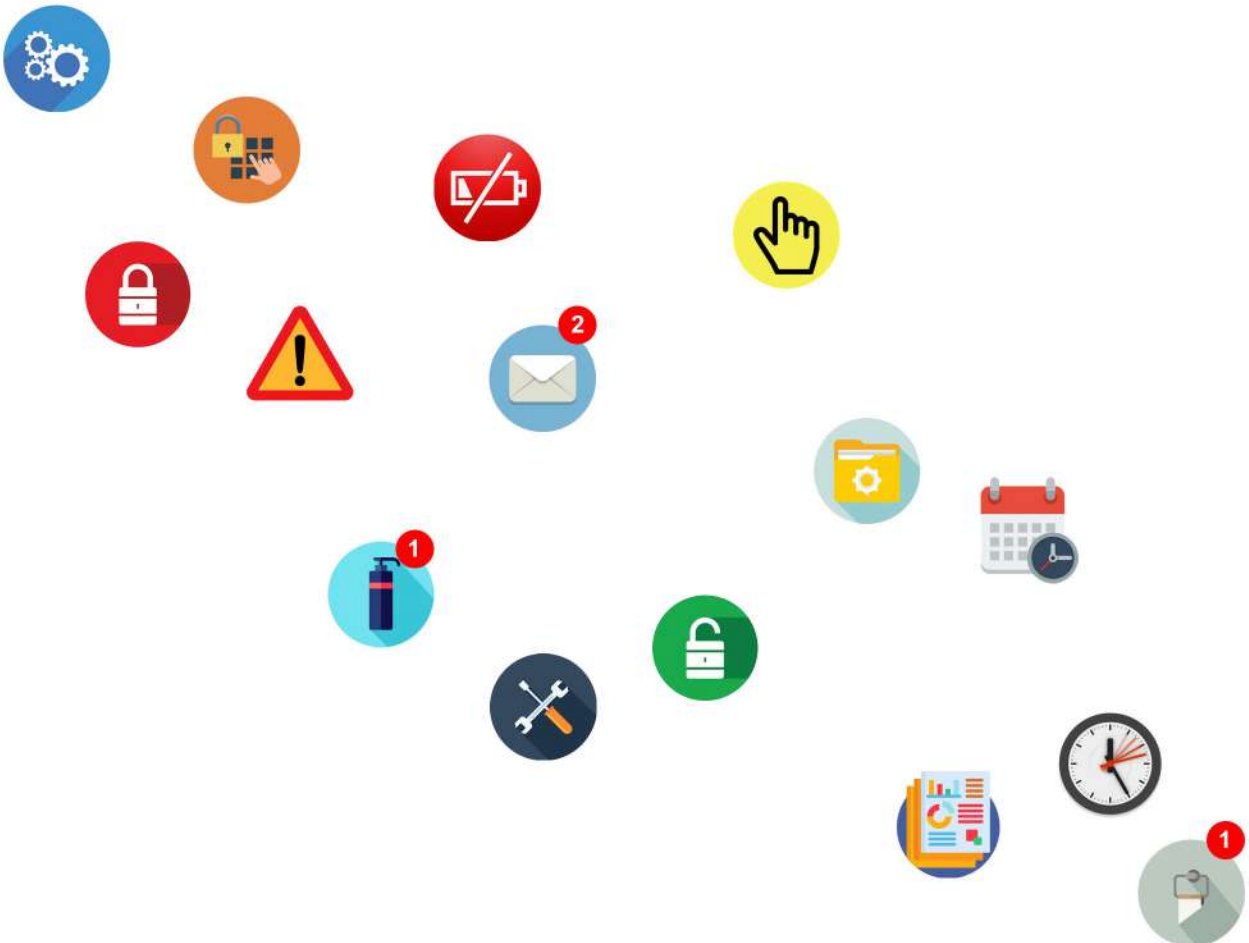


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NIU COMPUTER

Complete control of the toilet via the computer with a very easy to use touch screen. The operation is done through easy to use applications. A screen reading allows you to control all vital functions of the toilet.

Online support is available at the touch of the screen.





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ECO

Our booth's Eco system allows integration with clean technology and biotechnology that can improve water and power efficiency. Its intelligent system reduces water usage in each flush and time to clean the toilet.

NIU satisfies Canadian regulation of hygiene safety by using environmentally friendly products which avoid environmental pollution and protect user's health.



SPECIFICATIONS

STRUCTURE

WELDED STEEL STRUCTURE WITH ANTI-CORROSION TREATMENT
URETHANE INSULATION ACCORDING TO THE CANADIAN BUILDING CODE
EXTERNAL COATINGS ACCORDING TO THE CUSTOMER'S CHOICE
ROOF WITH WHITE PVC BASE MEMBRANE (DIFFERENT ROOFS AS AN OPTION)
1500 MM RADIUS FOR WHEELCHAIR ACCESS IN THE ADA MODEL
DESIGNED FOR CLIMATES FROM -50C TO +40C

INSIDE

COMPOSITE WALLS OF AERONAUTIC AND RAIL GRADE COMPOSITES
EPOXY FLOOR
COMPOSITE CIELING
WATER DRAINAGE UNDER THE TECHNICAL WALL

VENTILATION AND HEATING, AC

FORCED-AIR HEATING 2500W WITH INTEGRATED THERMOSTAT FOR THE CABIN
AIR EXCHANGER WITH HEAT RECOVERY (Airflow up to 66 ft3)
FORCED-AIR HEATING 2000W WITH INTEGRATED THERMOSTAT FOR THE TECHNICAL
ROOM
OPTIONAL AIR CONDITIONING
5" VENTILATION DUCTS

ELECTRICITY

ELECTRIC PANEL 120/240V 100A
LED INTERIOR LIGHTS MANAGED BY THE AUTOMATON
OUTDOOR LED LIGHTS MANAGED BY AN ASTRONOMIC CLOCK
ADDITIONAL OUTLETS
CONSUMPTION OF ELECTRICITY

- Per cleaning cycle: 0.002 kwh
- Hand dryer: 0,005 kwh
- Drying of the toilet seat: 0,12 kwh
- Interior lighting: 0,004 kwh
- heating system AND AC at the customer's discretion

PLUMBING

PEX AND BRASS PLUMBING
WATER MANAGEMENT FOR FLUSHING THE TOILET, WASHBASIN, BOWL AND FLOOR
CLEANING BY SOLENOID VALVES
STAINLESS STEEL FLOOR NOZZLES
3 FUNCTION NO-CONTACT AERONAUTIC AND RAIL GRADE COMPOSITE SINK (SOAP,
WATER, HAND DRYER)

- Toilet flushing: 4.5 to 6 litres (depending on programming)
- Floor washing cycle: 2.5 to 3 litres (depending on programming)
- Hand washing: 0,5 litre

EXPENSION VASE TO CONTRÔLE THE WATER PRESSION
PRESSURE LIMITER

EQUIPMENT AND ACCESSORIES

2 STAINLESS STEEL GRAB BARS
FIREPROOF BIN IN STAINLESS STEEL
TOILET PAPER DISPENSER (AUTOMATIC IN OPTION)
CONSUMPTION OF CONSUMABLE

- Disinfectant toilet cleaner: 2.5 ml or 0 ml with UV Sytem
- Hand soap: 0,625 ml
- Toilet paper: sheet by sheet distribution (approx. 600 users) for a saving of about 40% of paper

OPTIONAL 55" VANDAL-RESISTANT OUTDOOR TOUCH SCREEN
OPTIONAL 10.5" VANDAL-RESISTANT INDOOR TOUCH SCREEN
CONTACTLESS BUTTON FOR OPENING AND CLOSING THE DOOR

COMPUTER

MANAGEMENT SYSTEM OF THE COMAC MANUFACTURING TOILET
SENSORS IN THE CABIN TO SECURE THE CLEANING CYCLE
SOLENOID VALVE MANAGEMENT
REMOTE MANAGEMENT OF ALL TOILET FUNCTIONS
MANAGEMENT OF ALL TOILET FUNCTIONS ON 10.1" TOUCH SCREEN
SENDS OPERATING ERRORS VIA TEXT MESSAGE
MODIFIABLE PARAMETERS AND STATISTICS MANAGEMENT
CONSUMABLE MANAGEMENT WITH LOW LEVEL ALERT
INTEGRATED COMMUNICATION MODULE
INDOOR AND OUTDOOR TEMPERATURE SENSOR
WATER PRESSURE CONTROL PROBE
CLOGGED TOILET SENSOR

WARRANTY

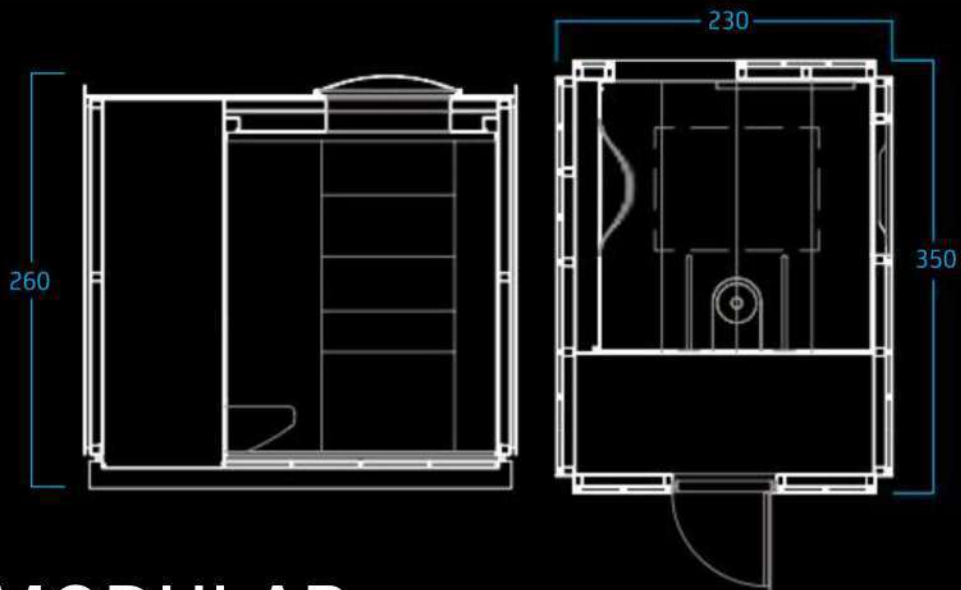
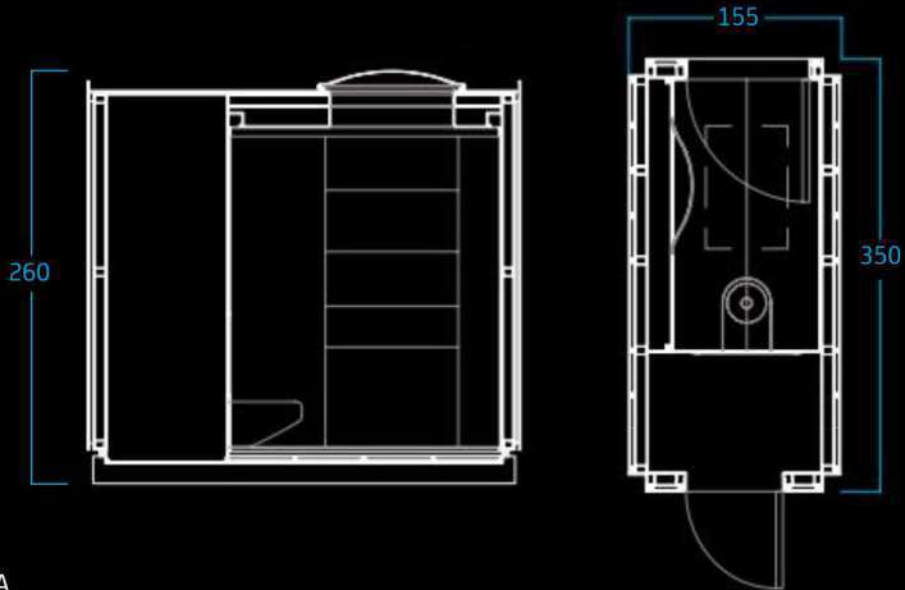
5 YEAR WARRANTY UP TO 50,000 USERS
10 YEAR WARRANTY ON THE STRUCTURE
MADE IN CANADA

OPERATION OF THE AUTOMATISM

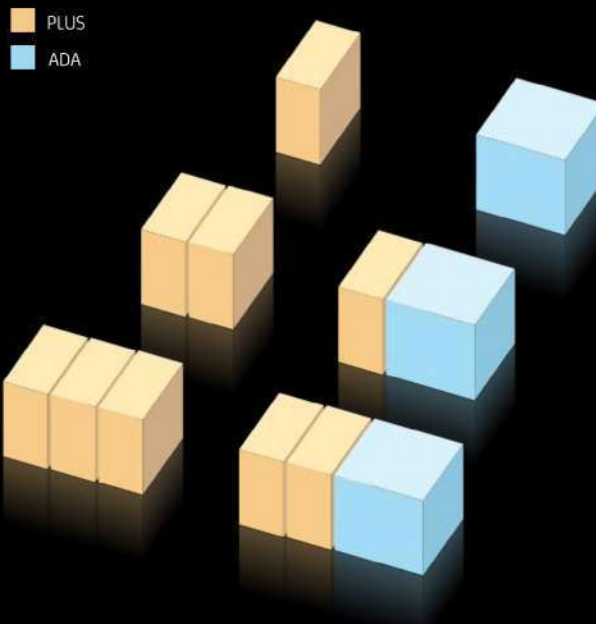
- AUTOMATIC CLEANING AND DISINFECTION OF THE BOWL AND SEAT AFTER EACH USE
- AUTOMATIC WASHING WITH DISTRIBUTION OF THE DESCALER AND DISINFECTANT
- AUTOMATIC SEAT DRYING BY HOT AIR
- PROGRAMMABLE FLOOR WASH CYCLE (RECOMMENDED FOR ALL 15-20 USERS)
- COMPLETE AUTOMATIC LOCKING OF THE DOOR DURING THE CLEANING CYCLE
- EXTERIOR LED LIGHTS INDICATING: FREE, OCCUPIED AND CLOSED FUNCTIONS
- INTERIOR LIGHTING AUTOMATICALLY ACTIVATED DURING USE
- MAXIMUM OCCUPANCY TIME 15 MINUTES, ADJUSTABLE AS REQUIRED.
AUTOMATIC UNLOCKING AFTER 15 MINUTES
- USAGE COUNTING BOX (DAILY COUNTING) WITH TIMER FOR PROGRAMMING
OPENING AND CLOSING HOURS
- AUTOMATICALLY ACTIVATED EVENING LIGHT WITH ASTRONOMICAL CLOCK
- A HEATING REGULATED AT 20OC IN THE CABIN IN WINTER AND 23OC IN

SUMMER. AUTOMATIC START OF THE HEATING AT 5°C OUTSIDE





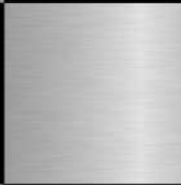
MODULAR



DESIGN

NIU provides a sustainable and flexible design with special features to meet the customer specific requirements.

All our toilets can be customized with a wide range of finishes and accessories to suit any surrounding environment: parks, downtown, train and bus stations, services area, gas stations, urban green spaces and nature reserves.





NIU MANAGEMENT

NIU's APP makes it possible to monitor the number of users and the usage statistics, the levels of all the consumables in the booth (paper, soap, cleaning fluids and air freshener), its power consumption and water usage, incidents (entrances, lighting, electronic system, etc.) and cleaning management, among other setting.



MODELS

PLUS is an affordable outdoor booth for general use. It is designed in a way that allows to arrange several modules differently according to the customer needs and it allows to easily separate sexes.

The PLUS model can be equipped with a touch-free sensor operated door, automatic basin and soap dispenser, electronic toilet paper dispenser, heating, air conditioning, personal cleaning water system and remote monitoring options.

ADA is the top range outdoor booth with the ultimate smart technologies totally touch-free sensor operated door, automatic basin and soap dispenser, baby changing table, heating, air conditioning options, external smart screen display, solar panels, security cameras, WIFI, among others.

It is the most comprehensive outdoor solution both for urban non-urban spaces.

FEATURES	PLUS MODEL	ADA MODEL
3D SELF-CLEANING SYSTEM	YES	YES
UV STERILIZER FOR THE BOWL	OPT	OPT
UV STERILIZER FOR THE ALL UNIT	OPT	OPT
FLOOR CLEANING	YES	YES
ELECTROMAGNETIC LOCKING DOOR CONTROL	OPT	OPT
SLIDING DOOR	OPT	OPT
AUTOMATIC DOOR	OPT	YES
MOVEMENT SENSOR	YES	YES
TOUCH-FREE SENSOR OPERATED DOOR	YES	YES
EXTERNAL SMART SCREEN DISPLAY	OPT	OPT
INTERNAL MULTIMEDIA SCREEN	OPT	OPT
PERSONAL CLEANING WATER SYSTEM	YES	YES
AUTOMATIC BASIN, SOAP, WATER AND HAND DRYER	YES	YES
BABY CHANGING TABLE	NO	OPT
AUTOMATIC TOILET DISPENSER	OPT	OPT
SUITABLE FOR PEOPLE WITH DISABILITIES	NO	YES
WATER RECOVERY SYSTEM	OPT	OPT
SOLAR PANELS	OPT	OPT
HEATING SYSTEM	YES	YES
AIR CONDITIONNING	OPT	OPT
PANIC BUTTON	OPT	OPT
REMOTE MONITORING	OPT	OPT
COIN, CARD OR MOBILE OPERATION	OPT	OPT
STATUS INDICATOR LIGHT PANEL	YES	YES
STAINLESS STEEL ACCESSORIES	YES	YES
VANDAL RESISTANT COMPENENTS	YES	YES
SECURITY CAMERAS	OPT	OPT
WIFI	OPT	OPT
MUSIC AND VOICE MESSAGES	OPT	OPT
BOBY SENSOR TEMPERATURE	OPT	OPT
EXTERIOR BOTTLE FILLING STATION	OPT	OPT
EXTERIOR FOUNTAIN	OPT	OPT
EXTERIOR DISPENSOR	OPT	OPT
ANTI-GRAFFITI EXTERIOR / INTERIOR	YES	YES
SMOKE CIGARETTE DETECTOR	OPT	OPT

OPT. OPTIONAL FEATURE / YES. SERIAL FEATURE / NO. UNAVAILABLE



TOWN



CITY

MODERN, TECHNOLOGIC



COLUMBIA



NORDIC



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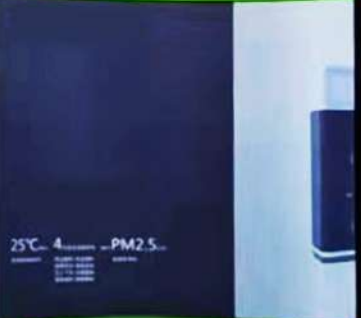
ZEN

C, ECO FRIENDLY, CUSTOMIZABLE.



LAND





CT-BOX



Small space, great convenience

CT-BOX

The CT-BOX is the new generation of contemporary mobile toilets.

With a metal structure and a composite finish, this insulated toilet can be heated or air-conditioned (optional).

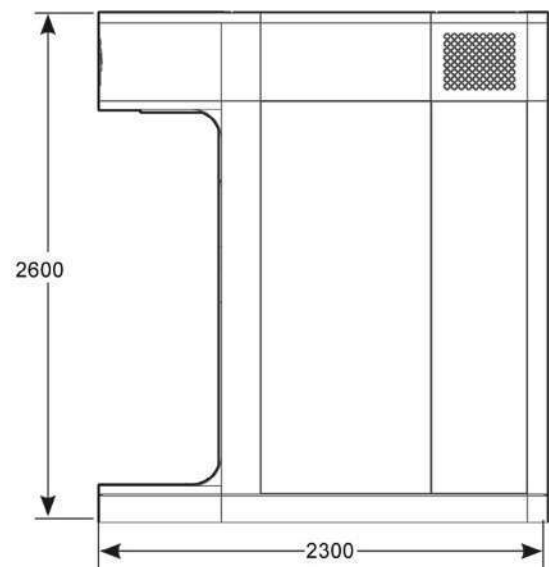
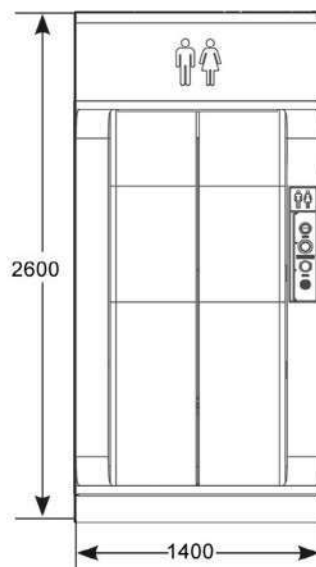
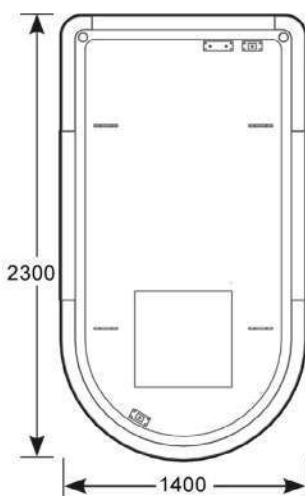
From a temporary or permanent installation, its design allows very easy handling with a forklift.

The CT-BOX requires 3 services: electricity, water and can be connected to the sewer or a septic tank.

Its UV light disinfection system (optional) provides you with a place free of bacteria and viruses.

Its mobility allows you to serve customers in parks, in the city centre, etc...on a permanent or temporary basis.

Once again, you benefit from all the technology and know-how of Comac since 1984.





FEATURES	CT-BOX
WASHBASIN	YES
INDUCTION SOAP DISPENSER	YES
FAUCET WITH INTEGRATED HAND DRYER	YES
HEPA FILTER FOR HAND DRYER WITH UV LIGHT	YES
PAPER DISPENSER	YES
TRASH CAN	YES
WALL HOOK	YES
HEATING SYSTEM	OPT
SOLAR PANELS	OPT
UV-CLEANING OF THE UNIT	OPT
OUTDOOR SURVEILLANCE CAMERA	OPT
15" INDOOR LCD ADVERTISING SCREEN	OPT
OUTDOOR LCD ADVERTISING SCREEN	OPT
AIR CONDITIONING	OPT
USB SOCKET	OPT





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