

SMART TOILET



By



COMFORT | SAFETY | INNOVATION





CONTENTS

5	ABOUT
6	TECHNOLOGY
9	NIU ENGINEERING
11	NIU COMPUTER
13	ECO
14	SPECIFICATIONS
15	OPERATION OF THE AUTOMATISM
16	MODULAR
17	DESIGN
19	NIU MANAGEMENT
20	MODELS
21	FEATURES
25	CT-BOX
27	FEATURES



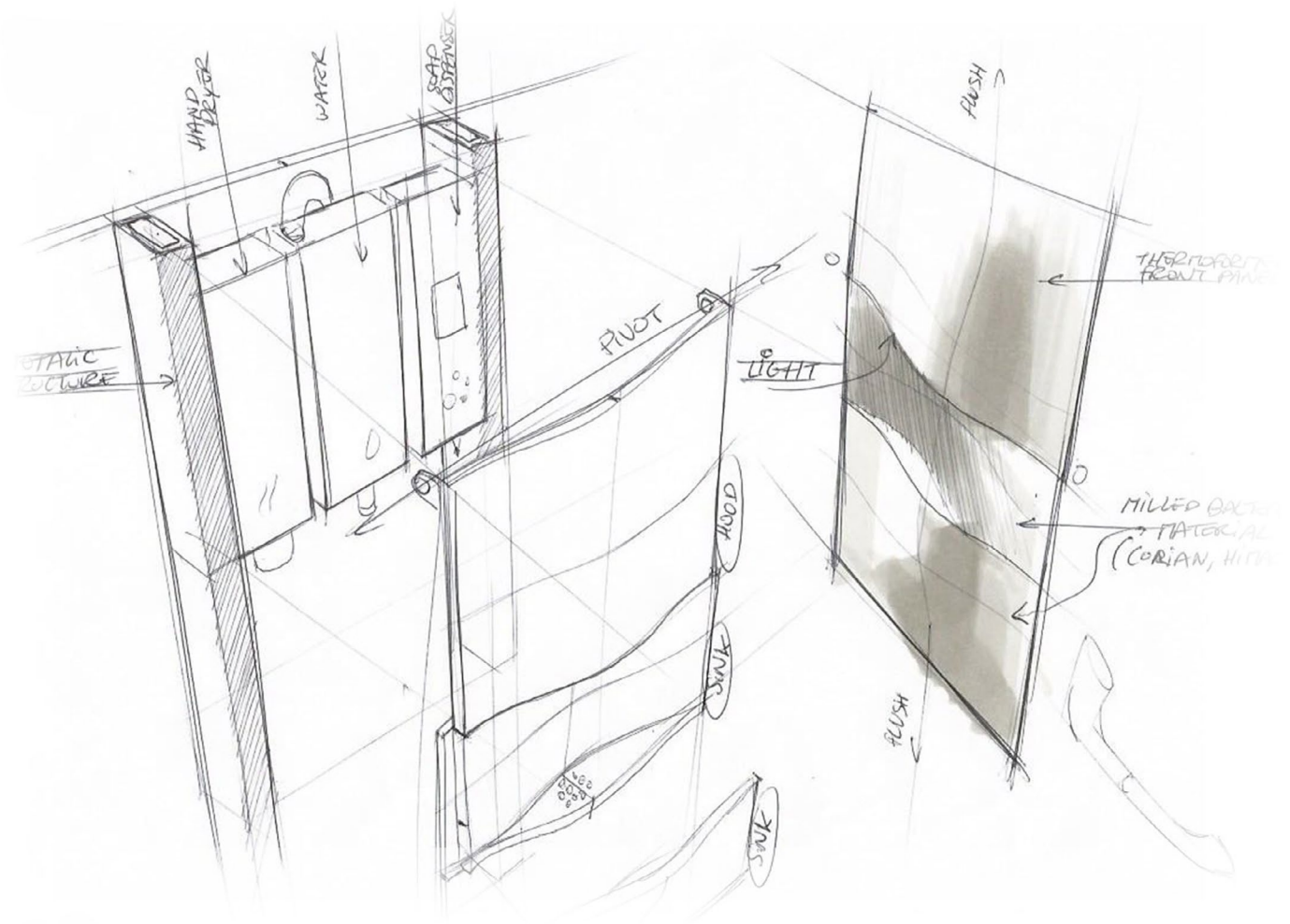
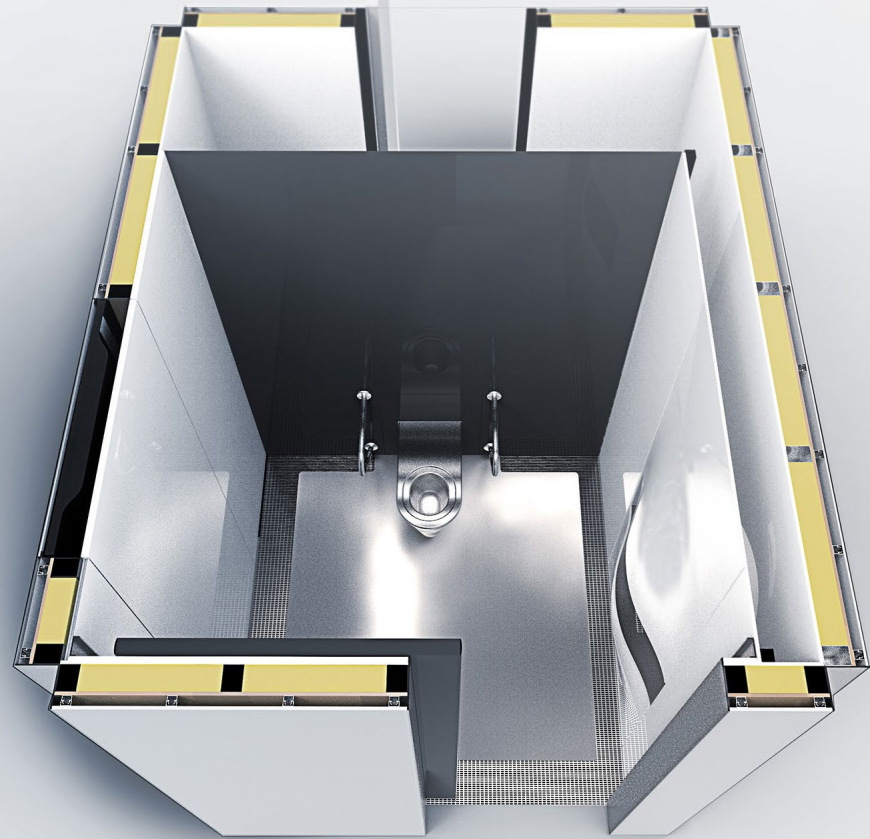
ABOUT

NIU smart toilet is the leading manufacturer of smart toilets in America.

We have brought together the best engineers to create a complete line of toilets to meet your demands.

Our line offers conventional toilets and smart toilets equipped with self-cleaning.

Our offices are based in Quebec and Ontario.



TECHNOLOGY

The latest technological advances at NIU provide the best hygienic results and the capability to control the uses of the toilet by a remote monitoring system.

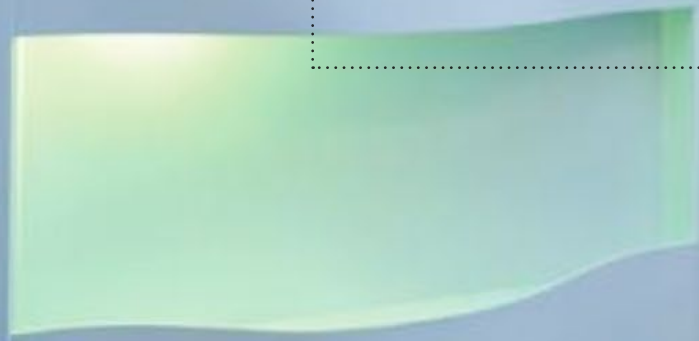
The contact-less automation and sensors avoid that the user comes into contact with the booth.

The “plug and play” setup reduce installation costs and time and it facilitates its maintenance and repairs.

NIU’s system cleans, dries and disinfects the toilet and its surrounding space.

self-cleaning





NIU ENGINEERING

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





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.

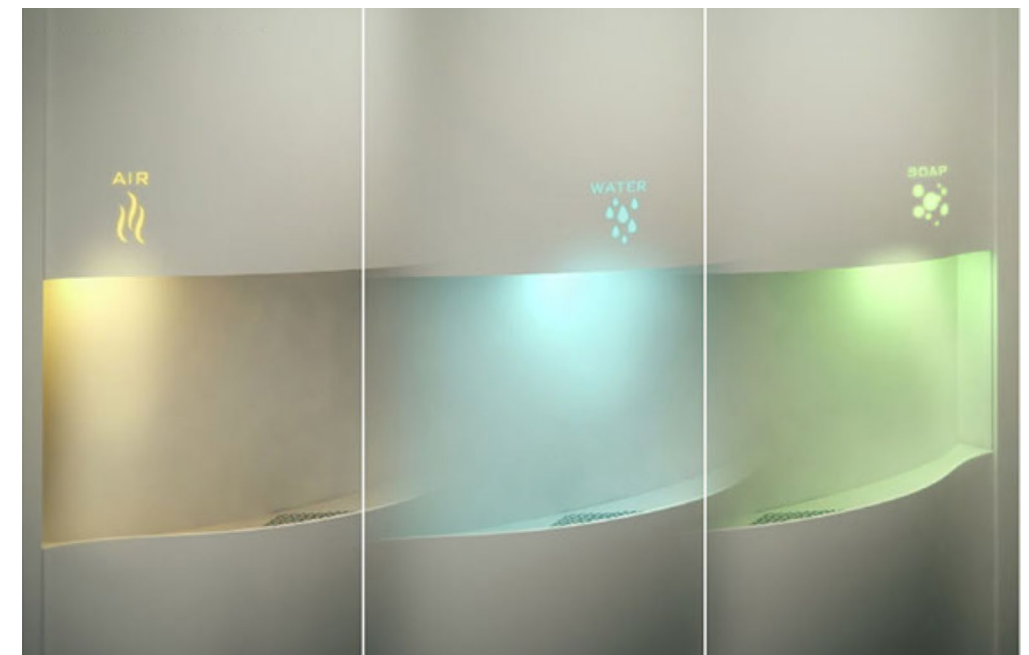




ECO

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

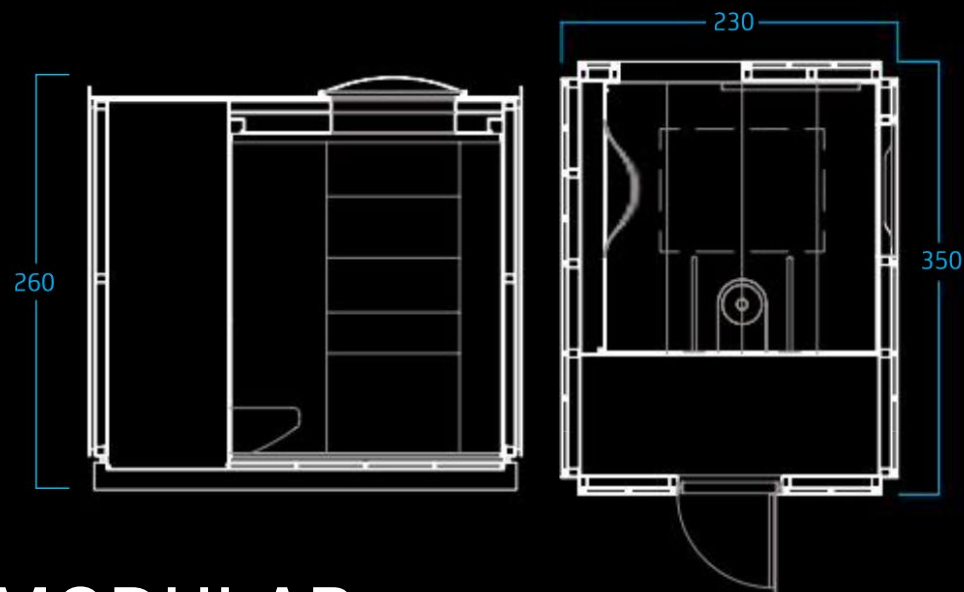
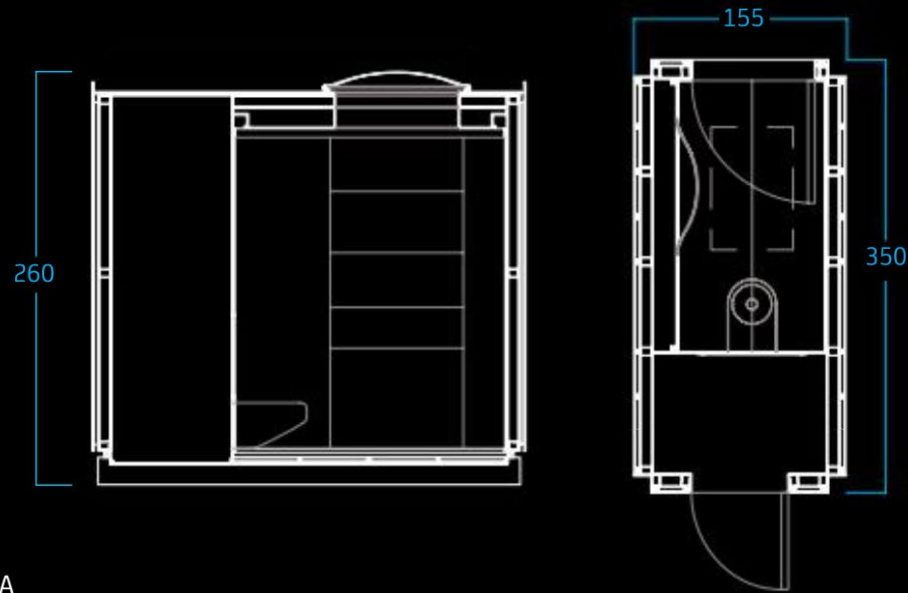
WARRANTY

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

OPERATION OF THE AUTOMATISM

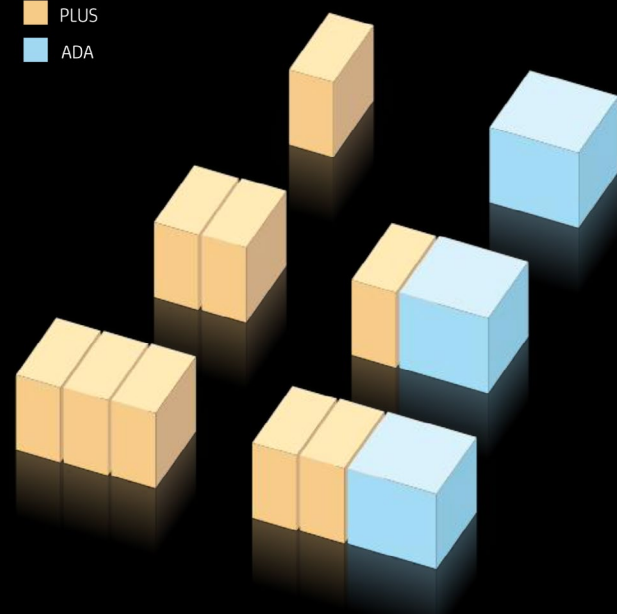
- AUTOMATIC CLEANING AND DISINFECTION OF THE BOWL AND SEAT AFTER EACH USE
- AUTOMATIC WASHING WITH DISTRIBUTION OF THE DESCALER AND DISINFECTANT
- AUTOMATIC SEAT DRYING BY HOT AIR
- PROGRAMMABLE FLOOR WASH CYCLE (RECOMMENDED FOR ALL 15-20 USERS)
- COMPLETE AUTOMATIC LOCKING OF THE DOOR DURING THE CLEANING 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

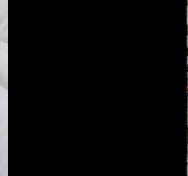
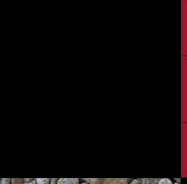
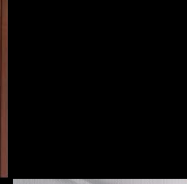
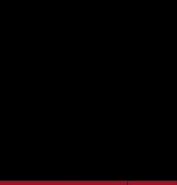
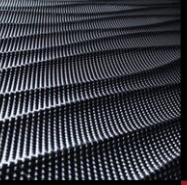
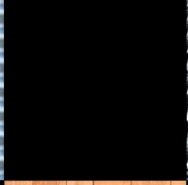
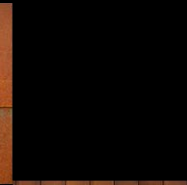
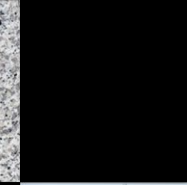
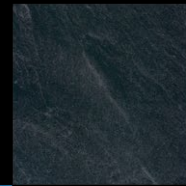
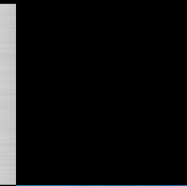
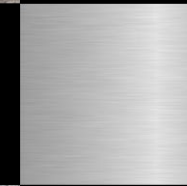
■ PLUS
■ ADA



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 DISBILITIES	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

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





TOWN



CITY



ZEN

MODERN, TECHNOLOGIC, ECO FRIENDLY, CUSTOMIZABLE.



COLUMBIA



NORDIC



LAND





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).

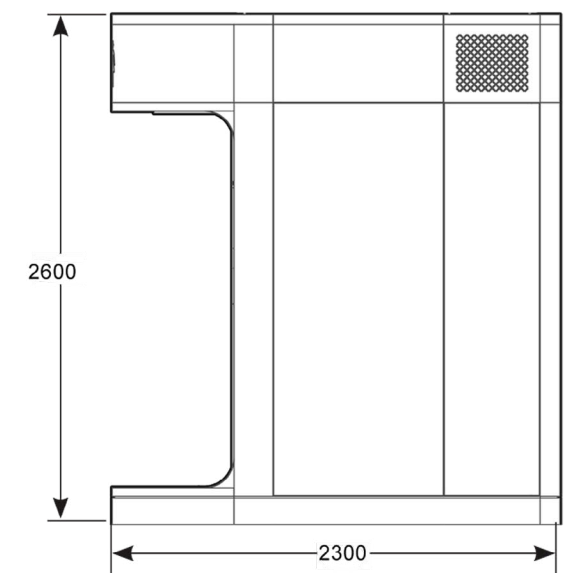
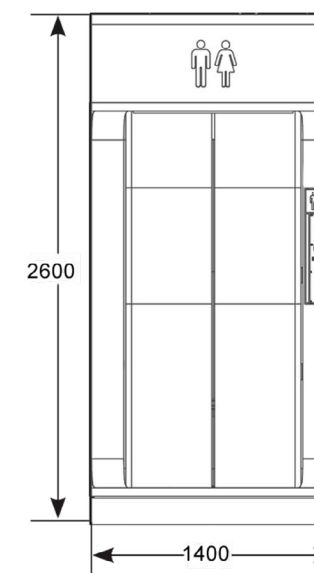
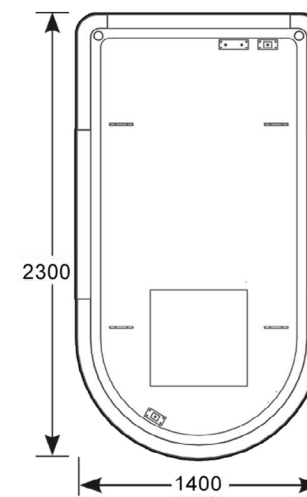
From a temporary or permanent installation, its design allows very easy handling with a forklift.

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





By



+1 (855) 550-0303
+1 (450) 432-8255

Saint-Jérôme, QC
Canada

info@niutoilet.com
www.niutoilet.com