



# SFA

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# Group SFA



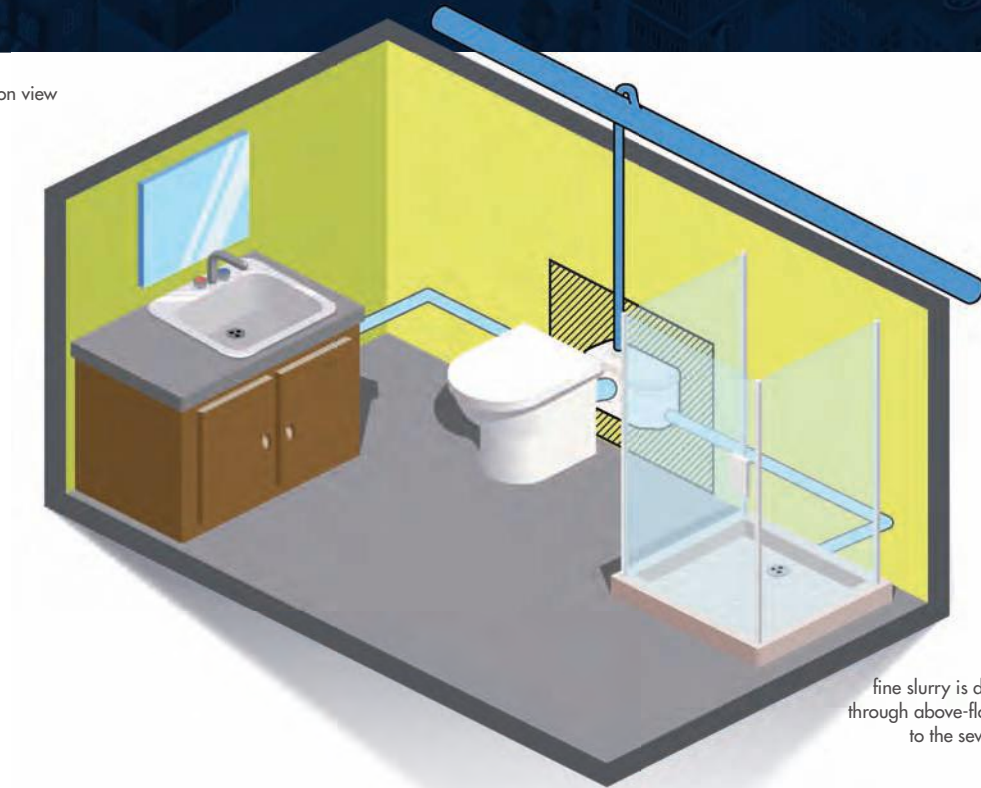


## WASTED BASEMENT SPACE TURNED INTO LIVING QUARTERS

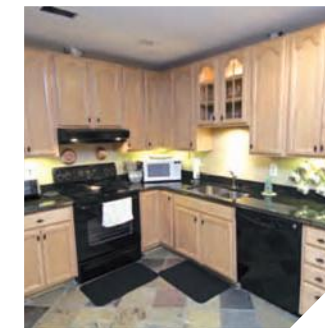
These homeowners saved \$10,000 by using SFA plumbing technology to fashion a separate luxury living area for their loved ones.



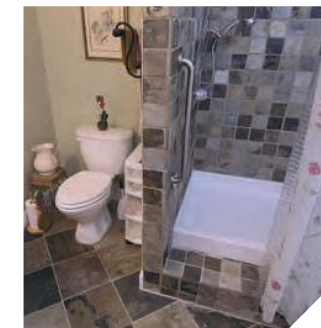
Front elevation view  
of the home



fine slurry is discharged  
through above-floor piping  
to the sewer system



Basement kitchen : sink and dishwasher  
drain into SFA pump Sanivite



Basement bathroom with Sanipro  
concealed behind the wall

FAMILY HOUSE BASEMENT



### CHALLENGE

- the basement had no way to drain the fixture.
- Adding sump pump would have been very expensive, intrusive and leaving a big hole.
- The owners did not want to break the concrete floor, as dust would spread to the top floors.



### SOLUTION

- Without the digging to make drainage connections, the Sanipro units quietly discharges waste through small-diameter, above-floor piping to the sewer system.
- Bathroom installations took a little over half a day and helped save \$10,000 compared to traditional plumbing
- The clean-up factor was also a big selling point for SFA





## SFA BRINGS ADDITIONAL BATHROOMS TO CONDOS WITHOUT DISTURBING THE NEIGHBORS

Condo renovations are on the rise and many people face stringent Board regulations when adding another bathroom. SFA plumbing technology enables wet facilities to be installed with minimal structural alterations.

CANADA  
Montreal



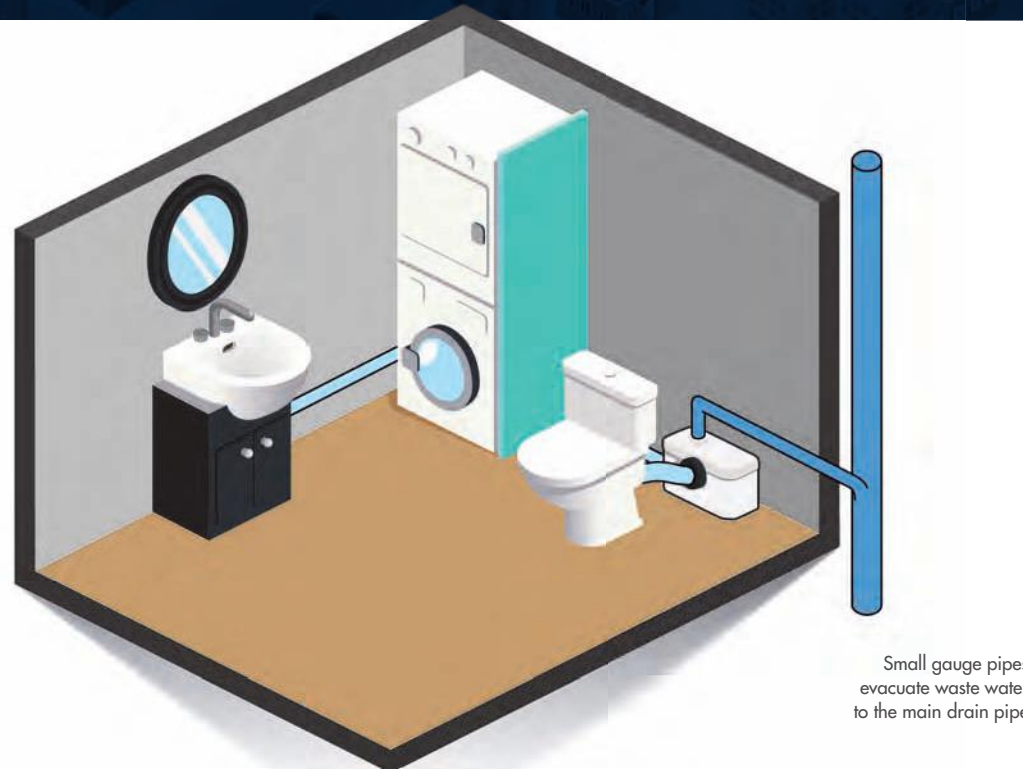
## MAKE THE MOST OF A BASEMENT IN LUXURY VILLAS, SHANGHAI

Sanicubic Lift Station solves basement drainage problem in Chinese villas.

CHINA  
Shanghai



front view of the condominium



Small gauge pipes evacuate waste water to the main drain pipe



1. Complete installation with Sanitop
2. Laundry room before renovation
3. Sanitop installation to evacuate WC and washbasin

### CHALLENGE

- Ms Charland lives in a Condo where her additional WC installation was refused by co-owners.
- The installation of a WC would have involved drilling, thus damaging the floors and walls.
- Ms Charland would have to put a soil pipe through her neighbor's ceiling below.

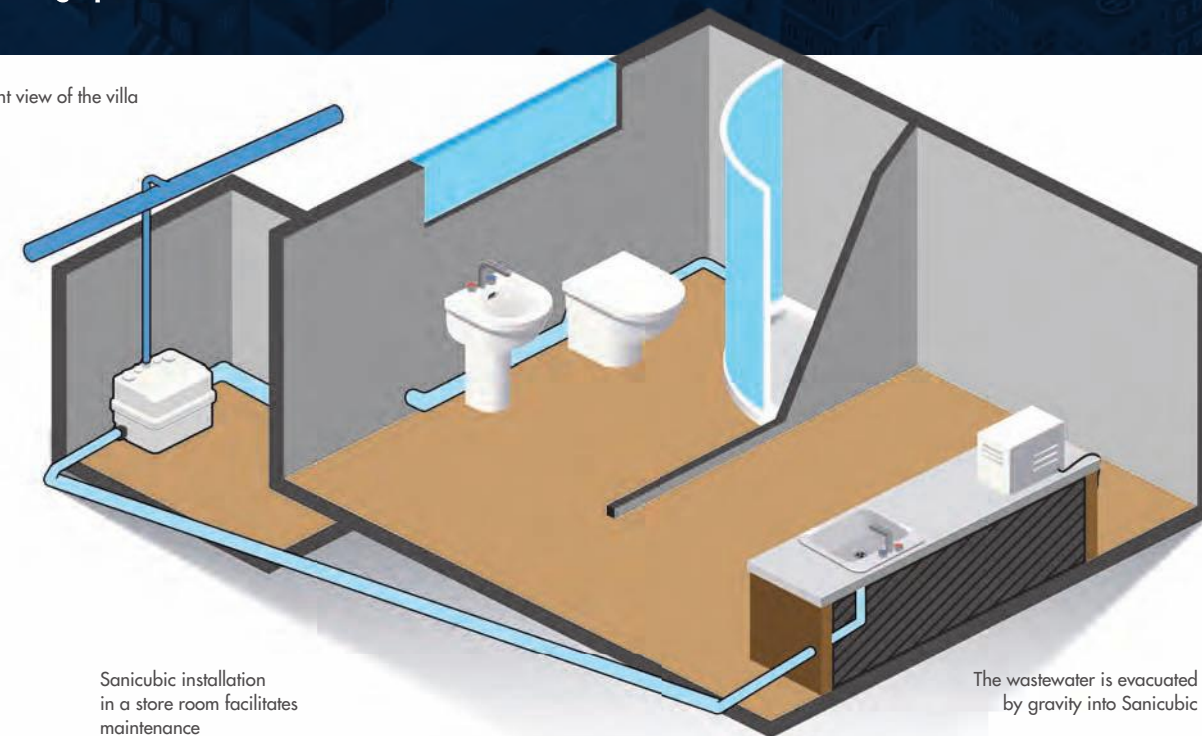


### SOLUTION

- A Sanitop was installed, moving the wastewater from WC and basin through small-bore pipes down to the existing soil pipe.
- The half-bathroom was installed in one day without affecting the neighbours and the building structure.

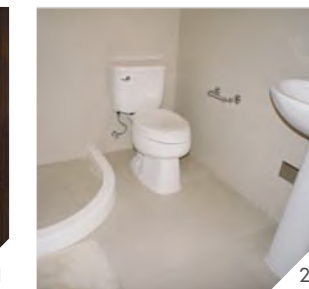


Front view of the villa



Sanicubic installation in a store room facilitates maintenance

The wastewater is evacuated by gravity into Sanicubic



1. Ensuite-bathroom located in the basement
2. WC, washbasin and shower are connected to Sanicubic
3. Sanicubic located into a store room

### CHALLENGE

- Turn cellar areas from 120 luxury villas into valuable space with toilets, showers and laundry.
- But the basements had no gravity feed to sewers.
- installing gravity facilities would require a submersible pump at greater cost.



### SOLUTION

- The powerful Sanicubic enabled sewage to be pumped above-floor directly to the sewers.
- The use of small pipework (50 mm) enabled a quick installation without concrete drilling.
- The compact Sanicubic was easy to fit into an existing store room outside the house.

CONDOMINIUM



BASEMENT IN LUXURY VILLAS







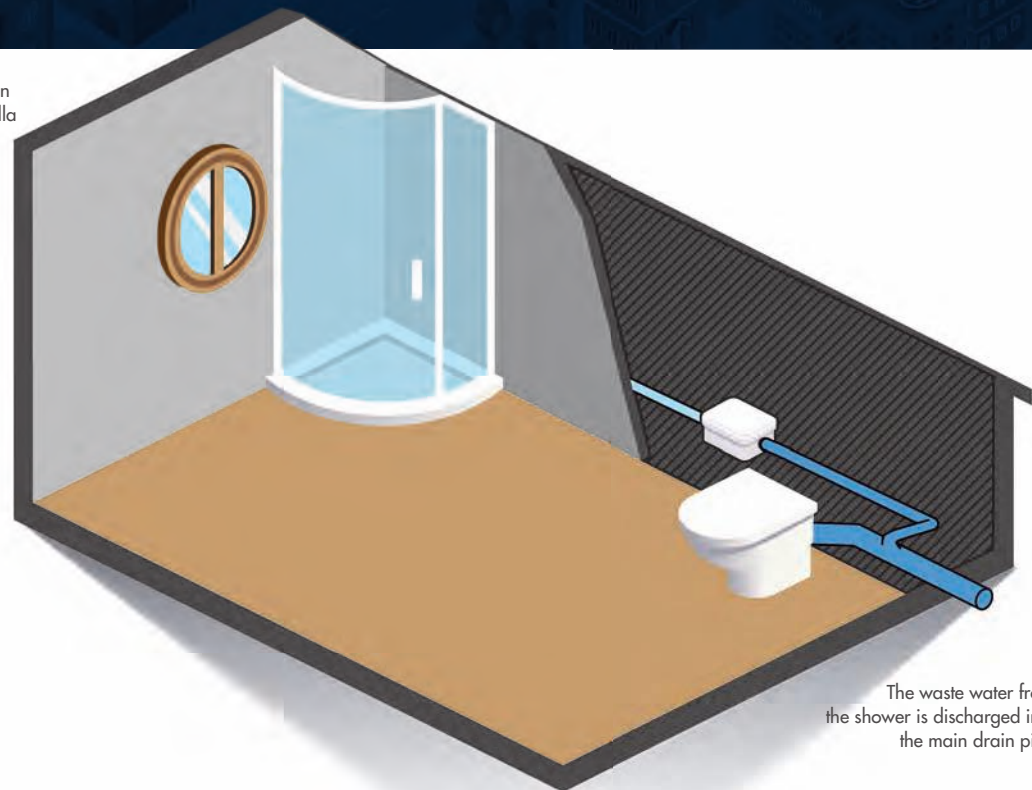
## DEFYING GRAVITY BY ADDING A SHOWER IN AN ATTIC

SFA was chosen to evacuate wastewater in attics of a new housing project in Kemerburgaz, Turkey.

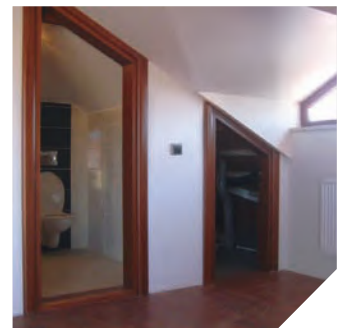
TURKEY  
Kemerburgaz



Front elevation view of the villa



The waste water from the shower is discharged into the main drain pipe



Attic where shower needed to be installed



Shower connected to Sanishower concealed behind the wall

### CHALLENGE

- Once 16 villas constructed, the project builder wanted to equip them with a shower in the attic.
- But no extra evacuation points had been originally designed.
- Traditional plumbing meant disruption to the project and greater cost to the client.



### SOLUTION

- Sanishower was installed behind a stud wall, enabling a shower installation exactly where the builder required it.
- The project was completed on time, and at less cost.



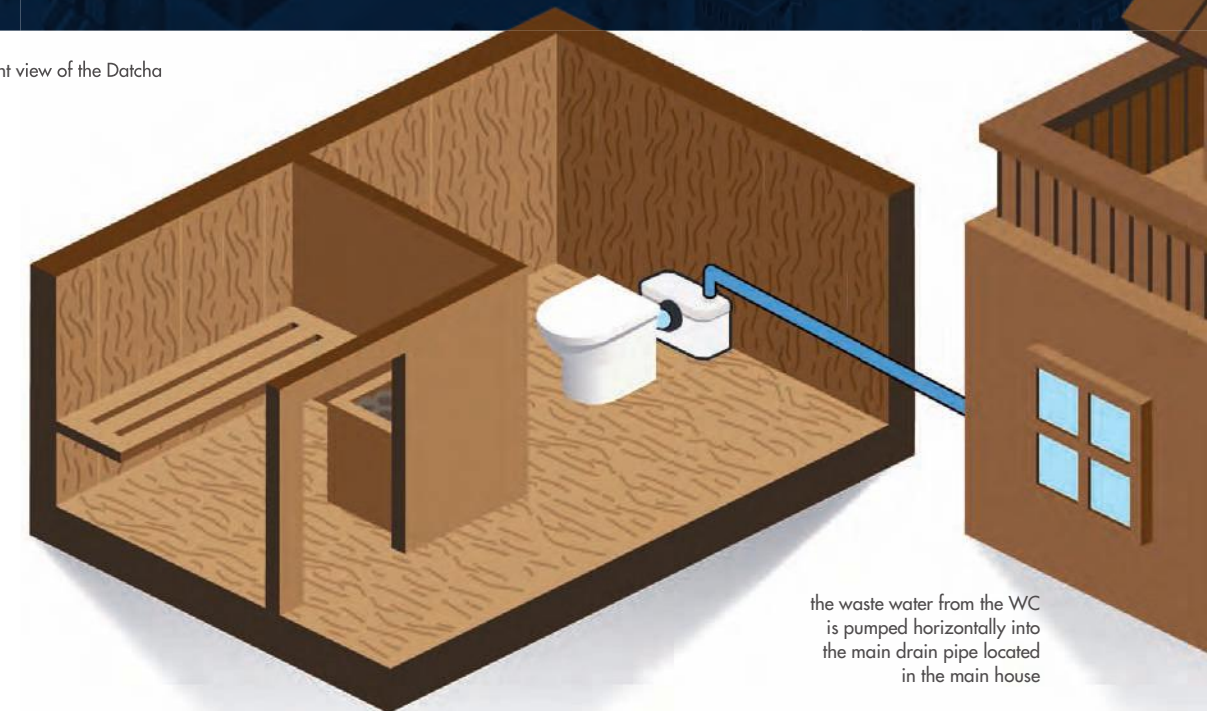
## SFA RECOMMENDS COMFORT IN RUSSIAN COTTAGES

Cottage owners strongly recommend the SFA macerating and pumping technology.

RUSSIA  
Kubinka



Front view of the Datcha



the waste water from the WC is pumped horizontally into the main drain pipe located in the main house



Main house and its adjacent «Bannya»



WC installation in the «Bannya» with a Saniflo unit

### CHALLENGE

- This Datcha comprises a main house and an adjacent «Bannya» where users can have a sauna.
- The owner needed a WC in the «Bannya» but the main drain pipe was 30 m away in the main house.
- Installing a gravity WC would have required bringing the main pipe to the «Bannya» at high cost.



### SOLUTION

- With Saniflo, the owner easily installed a WC by evacuating the sewage 30 meters horizontally in small bore pipes down to the main sewer in the house.
- The owner saved time and hassle.





## HIGH STREET TCHIBO COFFEE SHOP REQUIRED A BAR SOLUTION

Sanivite grey water pump offers an easy evacuation route at Tchibo, Istanbul.

TURKEY  
Istanbul



Front view of the café



waste water is horizontally  
pumped through small diameter  
pipes into the main drain pipe



Sanivite concealed in a sink cabinet



Sink and dishwasher behind counter

### CHALLENGE

- Like in many buildings, existing plumbing at Tchibo coffee shop was located far away from the required drainage points.
- Expensive reinstatement works was not an option for the owner.



### SOLUTION

- Sanivite was installed behind cabinetry to handle wastewater away through to the main drain pipe located on the opposite side of the shop.
- A considerable amount of time and money was saved as a result.



## AUSTRALIAN PANACAFÉ IN SYDNEY : SANIFLO OFFERS A DIFFERENT VISION

Installing the new staff kitchen facilities for Panavision's new Sydney office: a task completed by Sanispeed.

AUSTRALIA  
Sydney



External view  
of Panavision's  
café



Waste water is pumped  
to the remote main drain pipe



Sanispeed concealed  
in a sink cabinet



Sink is drained into Sanispeed

### CHALLENGE

- Panavision wanted new staff kitchen facilities.
- But existing plumbing was on the other side of the building, meaning expensive reinstatement works to complete the project.



### SOLUTION

- By installing Sanispeed small bore grey water pump, the new café area was completed through a quick connection to the main sewer line.
- The Sanispeed was installed inside the kitchen cabinetry without compromising aesthetics.

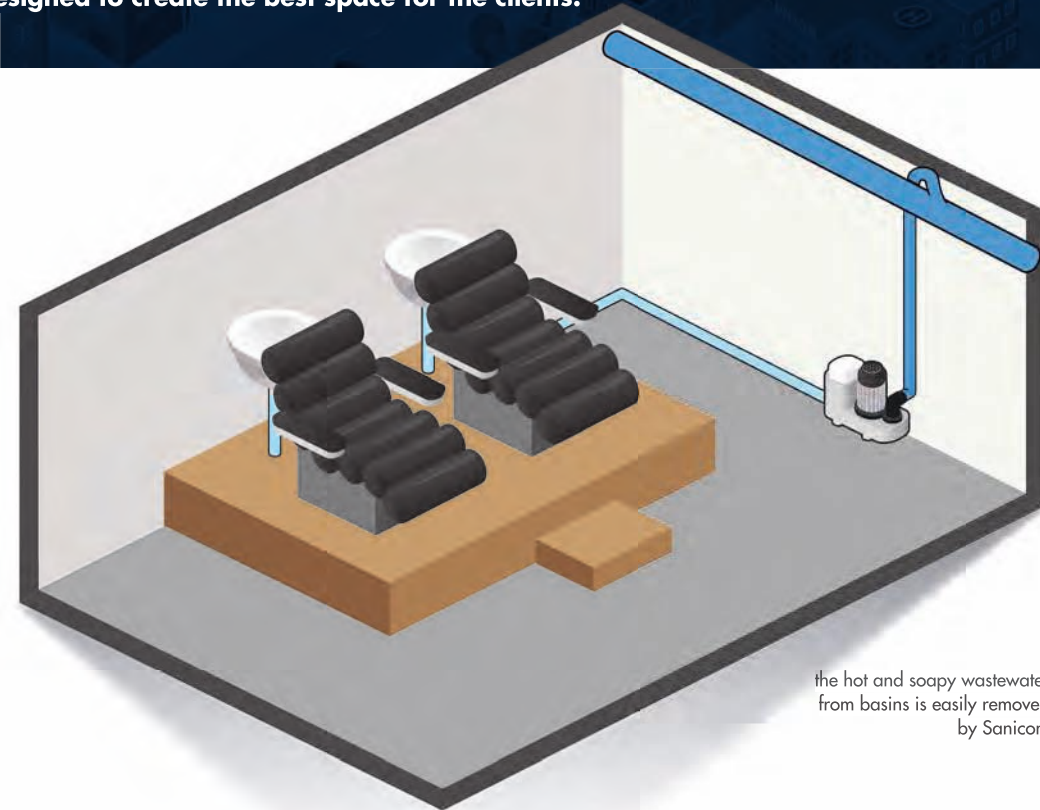




## A BRAND NEW SPA ALL OF IT EXACTLY HOW AND WHERE THE OWNER ENVISAGED!

With SFA a salon/day-spa in Melbourne could be redesigned to create the best space for the clients.

AUSTRALIA  
Melbourne



the hot and soapy wastewater from basins is easily removed by Sanicom



Hairdressing salon with basins



Hydromassage cabin

### CHALLENGE

- The existing sewer pipes were inappropriately located, far away from the appliances that needed to be evacuated.
- Bound by traditional plumbing limits, the spa renovation meant thousands of dollars in traditional plumbing works.



### SOLUTION

- Resistant to high temperatures (max 90°C) the Sanicom® pump was installed to remove the hot and soapy wastewater from basins, bathtubs and showers.
- With three Sanicom® pumps installed, the new fit-out project was completed in few days.



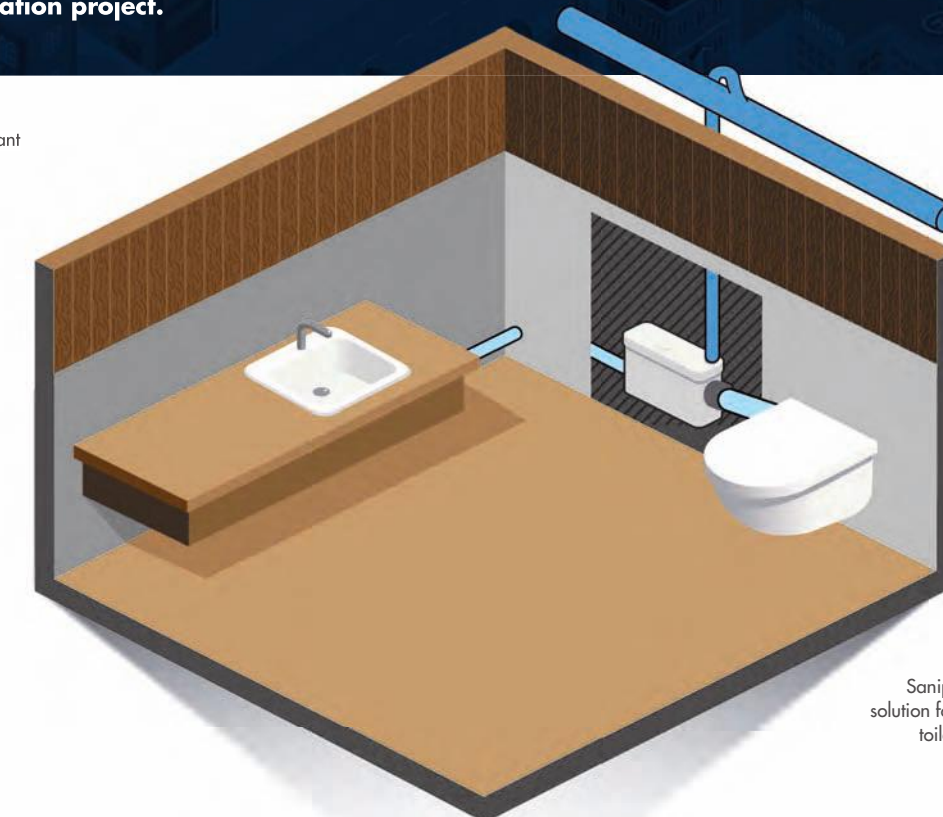
## AN INEXPENSIVE WAY OF REDESIGNING THE SOUTH BEAUTY RESTAURANT

Sanipack offers new opportunities in restaurant renovation project.

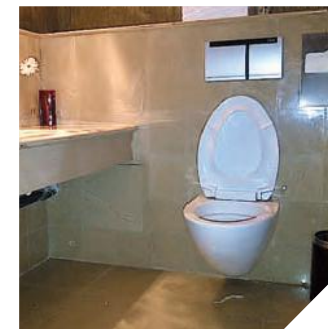
CHINA  
Shanghai



View of South Beauty Restaurant



Sanipack is ideal solution for wall-hung toilets drainage



Wall-hung toilet and washbasin to be drained



Sanipack installed behind the wall with an access cover

### CHALLENGE

- The owner of Peking Restaurant wanted to equip his 34 dining rooms with private toilets.
- As the main drain pipe was far away, installing gravity toilets would have involved expensive drilling through the concrete floor.



### SOLUTION

- 34 Sanipack were installed to remove wastewater through small bore pipe up to the ceiling into the existing soil pipe.
- New facilities were installed where the client required, on time and at less cost.
- Aesthetics and integrity were not compromised.





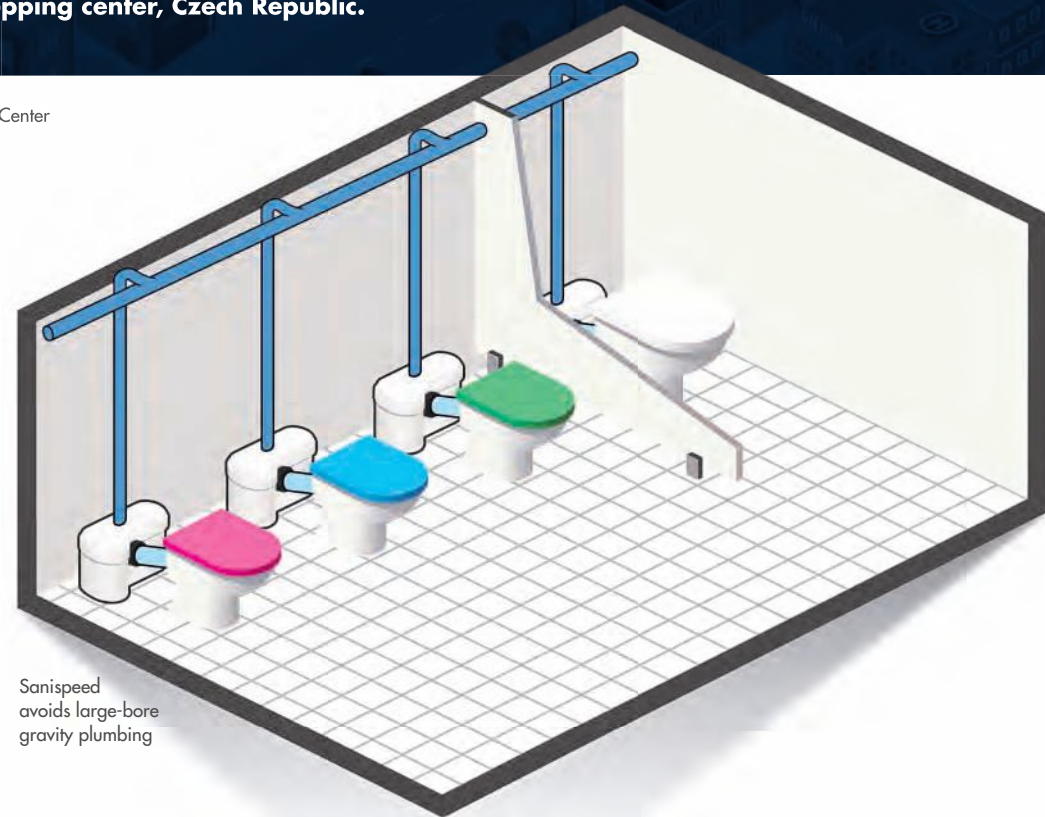
## SFA MACERATING PUMPS HANDLE CHILDREN'S TOILETS

Saniflo delivered a stress-free renovation in the shopping center, Czech Republic.

CZECH REPUBLIC  
Chodov



Shopping Center  
Entrance



Sanispeed  
avoids large-bore  
gravity plumbing



Sanibest installation  
for 1 adult WC



Sanibest installation  
for 3 child-friendly WCS

### CHALLENGE

- The operator of this shopping center wanted to install child-friendly toilet facilities.
- Like most buildings, sewer lines were situated some distance from where they were required.
- Using traditional plumbing meant building disruption and considerable costs.



### SOLUTION

- By specifying Sanibest, space was redesigned without the need to core cut concrete or bring the soil pipe to the restrooms.
- The owner saved money and was happy with the end result.
- Sanibest unique blade system responds to intensive usage by the general public.



## THE SKY IS THE LIMIT IN CHINA !

SFA plumbing technology solves construction site challenge in a high-rise office building in Beijing.

CHINA  
Beijing



Open space to redesign



Sanipack installed behind a wall



Sanipack pumps  
away waste water to the  
middle of the building

### CHALLENGE

- Installing offices with private bathroom was difficult as the main drain pipe was located in the middle of the building.
- Digging through the flooring to put a plumbing drainage line in each office was almost impossible.



### SOLUTION

- The discreet Sanipack was installed to pump away wastewater through small bore pipes down to the main discharge line.
- The constructor managed to create bathrooms without digging through concrete.

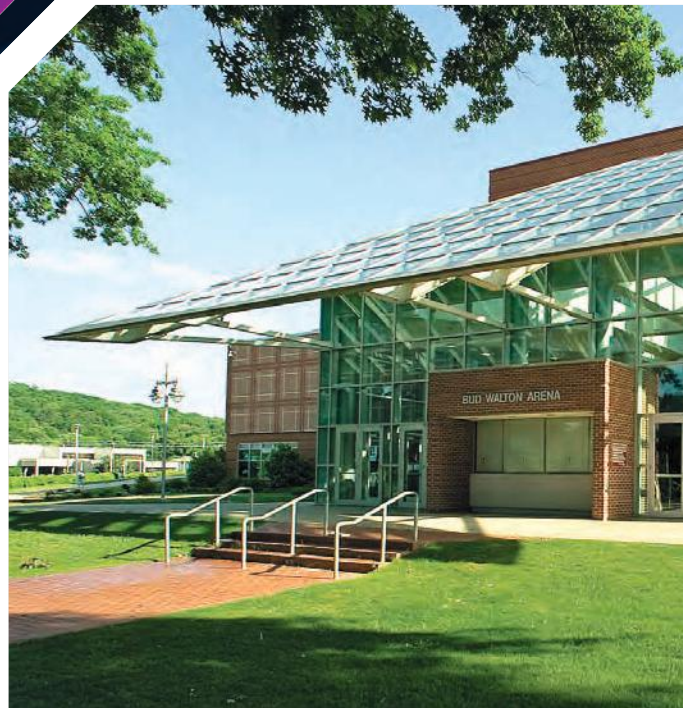




## SFA PLUMBING PROVES TO BE A "CHAMP" IN UNIVERSITY OF ARKANSAS

When the University of Arkansas decided to upgrade its 19,000-seat Bud Walton Arena with 12 new luxury suites, SFA offered an "upflush" innovative plumbing solution.

USA  
Arkansas



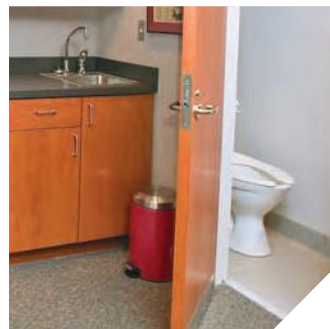
Exterior view of the Bud Walton Arena



Sanibest has the ability to pump the waste up



Sanibest installed in 1 suite and recessed behind a wall



Suite complete with wet bar and private restroom connected to Sanibest

### CHALLENGE

- Some of the suites were built in a basement with no route to the sanitary sewer.
- Traditional plumbing meant trenching and tunneling all the way through the building.
- Too cost prohibitive and a danger for the structural integrity of the building.



### SOLUTION

- Sanibest units presented the ideal answer : no need for digging to install sewer lines.
- Each unit discharges waste up and over the suites into the sewer line, and then into the sewer main.
- The units were recessed behind the walls : SFA toilets then looked like conventional ones.



## SFA HELPS INSTALL INSTORE BAKING OVENS IN 2.500 LIDL STORES

SFA provides a professional solution for manufacturers and retailers by defying traditional gravity fed conventions.

FINLAND



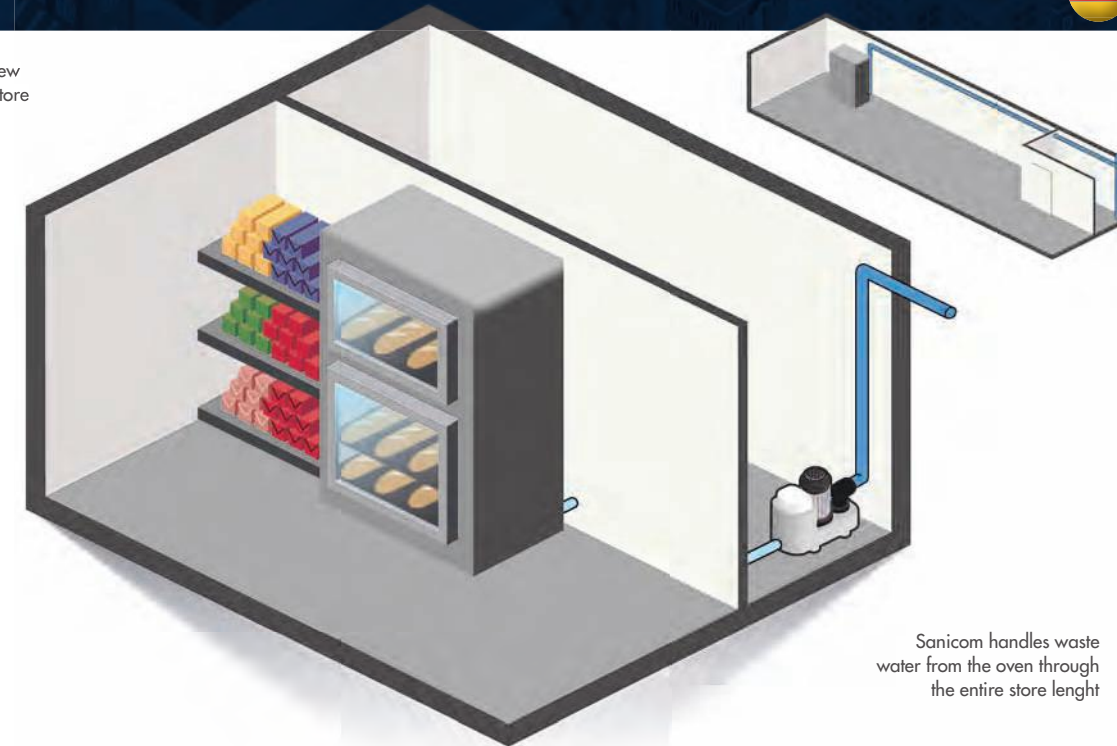
IRELAND



GERMANY



Front view of Lidl store



Sanicom handles waste water from the oven through the entire store length



Baking oven drained by Sanicom recessed behind a wall



Bakery section inside lidl stores

### CHALLENGE

- Wiesheu manufactures instore baking ovens that need drainage to operate smoothly.
- Their installation in the middle of Lidl stores was problematic, as sewer lines were located only at the entrance.
- Bringing the main drain pipe to the oven location would be costly and time consuming.



### SOLUTION

- Sanicom offered optimal solution as it can evacuate hot wastewater from the oven and operate far away from the sewer line, anywhere Lidl desire to locate the oven.
- Sanicom provided a smart and professional solution for an industrial application. More than 2.500 Sanicoms were installed.





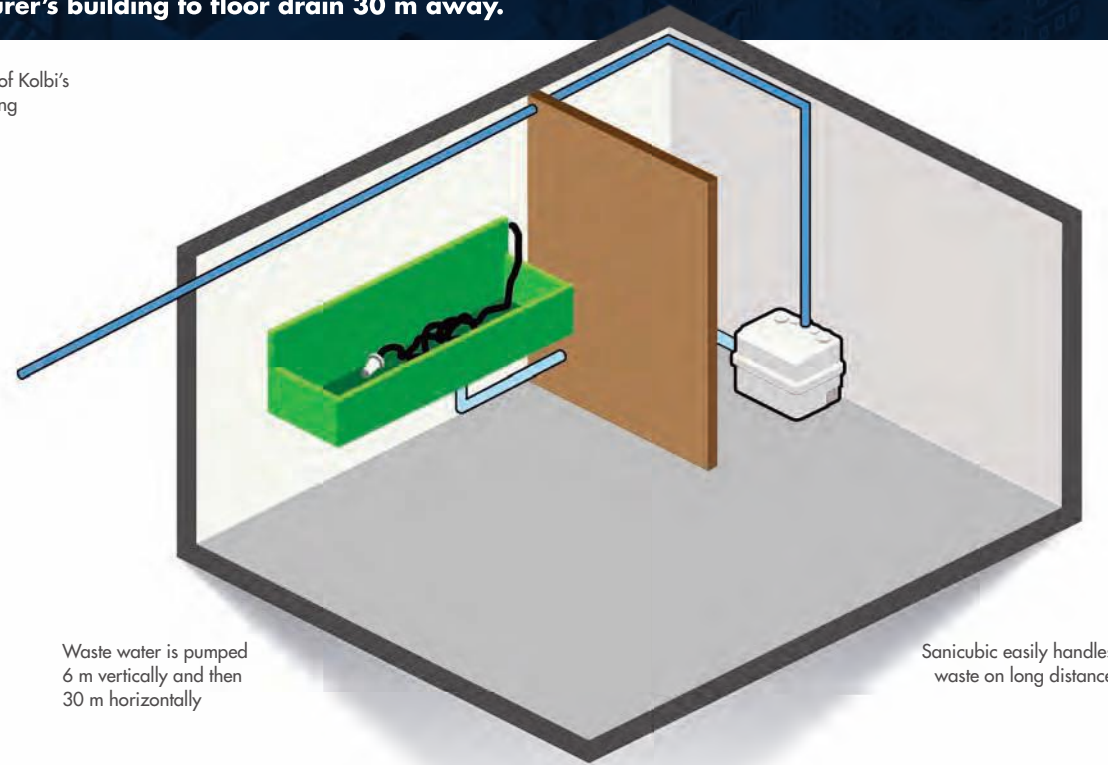
## SANICUBIC LIFT STATION SOLVES INDUSTRIAL FIRM'S LONG-DISTANCE DRAINAGE PROBLEMS IN CHICAGO

With below-floor drainage not an option, new duplex grinder device pumps effluent from silkscreen washout booth at one end of Chicago manufacturer's building to floor drain 30 m away.

USA  
Chicago

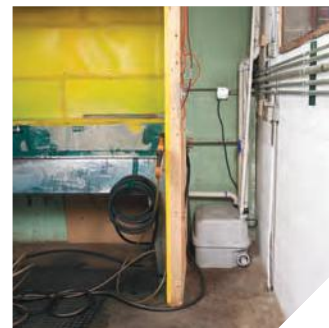


View of Kolbi's building



Waste water is pumped  
6 m vertically and then  
30 m horizontally

Sanicubic easily handles  
waste on long distance



Washout booth connected  
to Sanicubic



Sanicubic 2 duplex grinder system

### CHALLENGE

- Kolbi has a production process that requires drainage situated 30m away from the nearest drain.
- Ripping up the concrete floor to run below-floor drainage would be very expensive.



### SOLUTION

- Because it sits above the floor, the Sanicubic solution is more affordable and less-time consuming to install.
- Wastewater drains into the powerful Sanicubic, then pumped 6m vertically and then horizontally for the entire 30m length through small bore pipes into the municipal sewer system.



## SFA MACERATORS PROVIDE MOBILE SANITATION SOLUTIONS

Manufacturers of trailers in Europe, US and Canada have adopted the flexibility of SFA macerating toilets.

USA



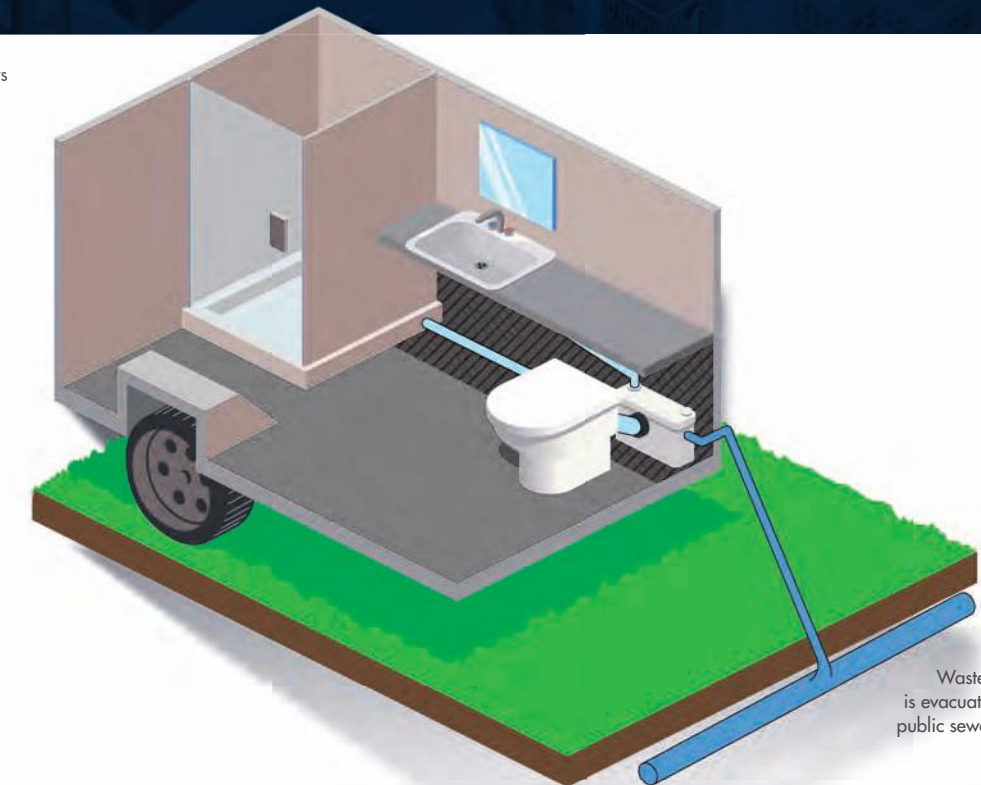
CANADA



DENMARK



Model of trailers  
using SFA units



Waste water  
is evacuated into  
public sewer lines



Trailer equipped with shower,  
wasbasin and WC



SFA unit recessed behind  
an access door handles the waste

### CHALLENGE

- Off-site modular constructions are the best solution to offer temporary toilet facilities.
- But how then to evacuate wastewater hygienically ?
- How to procure best comfort on board for the user ?



### SOLUTION

- With horizontal pumping of 100 m, SFA units can transport wastewater to the remote public sewer lines.
- The compact design of SFA units fit perfectly onto mobile units.
- Toilets equipped with SFA look like normal ones and improve comfort on board.

WASHOUT BOOTH DRAINAGE

TRAILERS





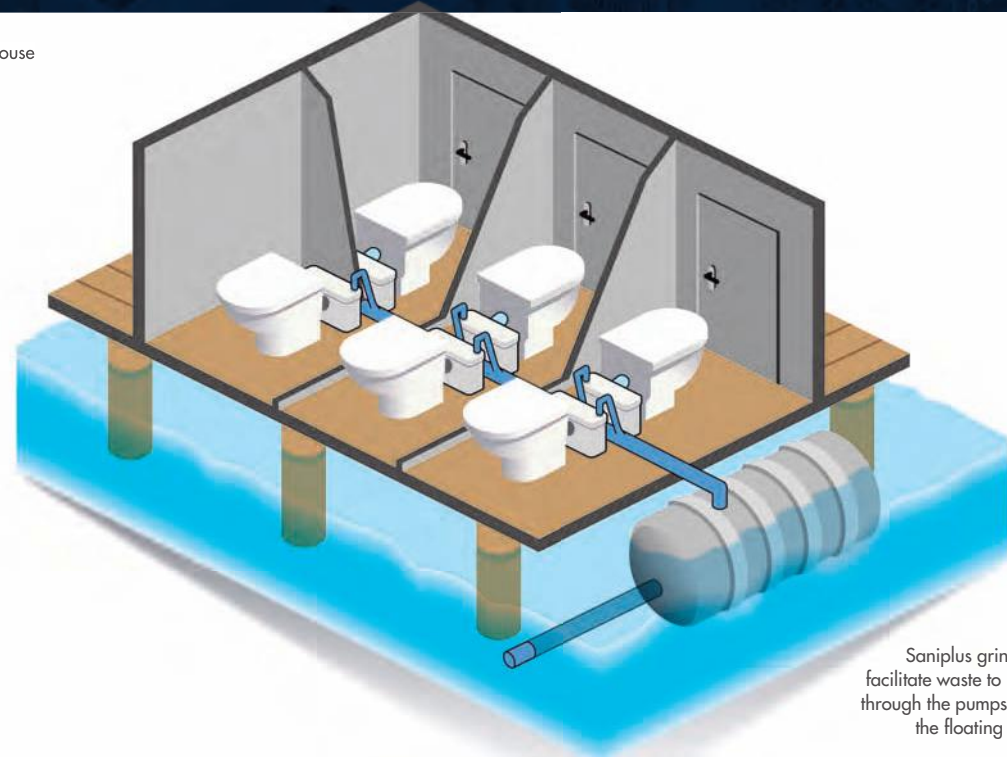
## USA MARINA HOUSE : SFA MAKES THE BATHROOM ERROR-PROOF

Lake Michigan marina outfits two floating bathhouses, each with six bathrooms and a laundry room, and equipped with macerating plumbing to avoid system failures during peak usage by the general public.

USA  
Lake Michigan



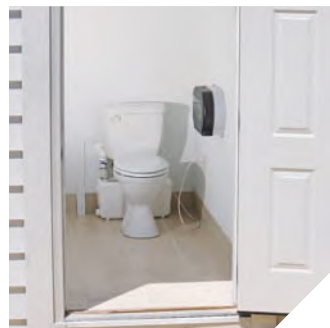
Modular bathhouse  
equipped with  
SFA units



Saniplus grinders  
facilitate waste to pass  
through the pumps into  
the floating tank



Crane used to place the bathhouse  
onto the floats



Toilet equipped with Saniplus  
macerator

### CHALLENGE

- Wastewater from the bathhouse has to be transported to a floating tank where the contents are pumped to a larger lift station, which then pumps it to the sewer 900 feet away.
- A regular toilet wouldn't be sufficient: maceration plumbing is required to avoid plumbing blockages.



### SOLUTION

- The marina operator opted for Saniplus macerating toilets, reducing the potential for clogging.
- The grinders do a very good job of breaking down the paper and other solids to allow them to pass easily through the pumps.
- Unlike other pumps, Saniplus is very user-friendly, easy to operate and easy to maintain.



## YACHTS SAILORS HIGHLY PRAISE SANIMARIN TOILETS

Many sailors replace their hand-pumps units by Sanimarin toilets to benefit from best-in class comfort.

FRANCE



View of X37  
cruising yacht



Waste water is dilacerated  
and evacuated upwards into  
a black water tank



Before

Traditional hand-pump toilet



After

Comfortable Sanimarin toilet

### CHALLENGE

- For many home boaters hand-pumping can be bothersome and the excessive noise of hand-pump units can be disturbing.
- Hand-pump units don't macerate wastewater, leaving higher blockage risks on emptying the black water tank.
- Hand pump toilets have poor design for those who want a home comfort on board.



### SOLUTION

- The Sanimarin toilets feature an easy-to-operate panel with no hand-pumping required.
- Sanimarin SN 31 model can be adapted in lieu of hand-pumping units, no need to rehabilitate space.
- Sanimarin replicates the comfort of traditional toilets.





## ENJOY LICENCE FREE NARROW BOATS WITH MAXIMUM SANITARY COMFORT

In some European countries Locaboat has received permission from the local authorities for their boats Penichettes to be hired without licence. To enhance livability on board Locaboat decided to upgrade the fleet of Flying bridge Boats with automatic Sanimarin toilets for the next 2 years.



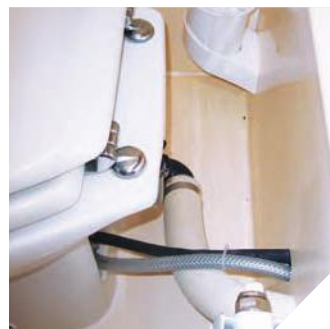
View of a flying bridge boat



Waste is macerated and evacuated into a black water tank



Sanimarin SN31 selected by Locaboat



View of Sanimarin toilet connections

### CHALLENGE

- Locaboat narrow boats are hired for holidays and week-ends : the boat is a kind of second home during that period of time, a comfortable toilet, easy-to-use is therefore essential.
- Locaboat needed a reliable toilet system to prevent blockage in the black water tank and easy to connect with the waste water collector tank.



### SOLUTION

- The Sanimarin integrated macerator reduces waste in tiny particles, thus preventing any clog-up during cruising and emptying of the black water tank.
- Thanks to their 3m pumping height and horizontal pumping distance of 30m, Sanimarin units enable one to locate the black water tank wherever desired.

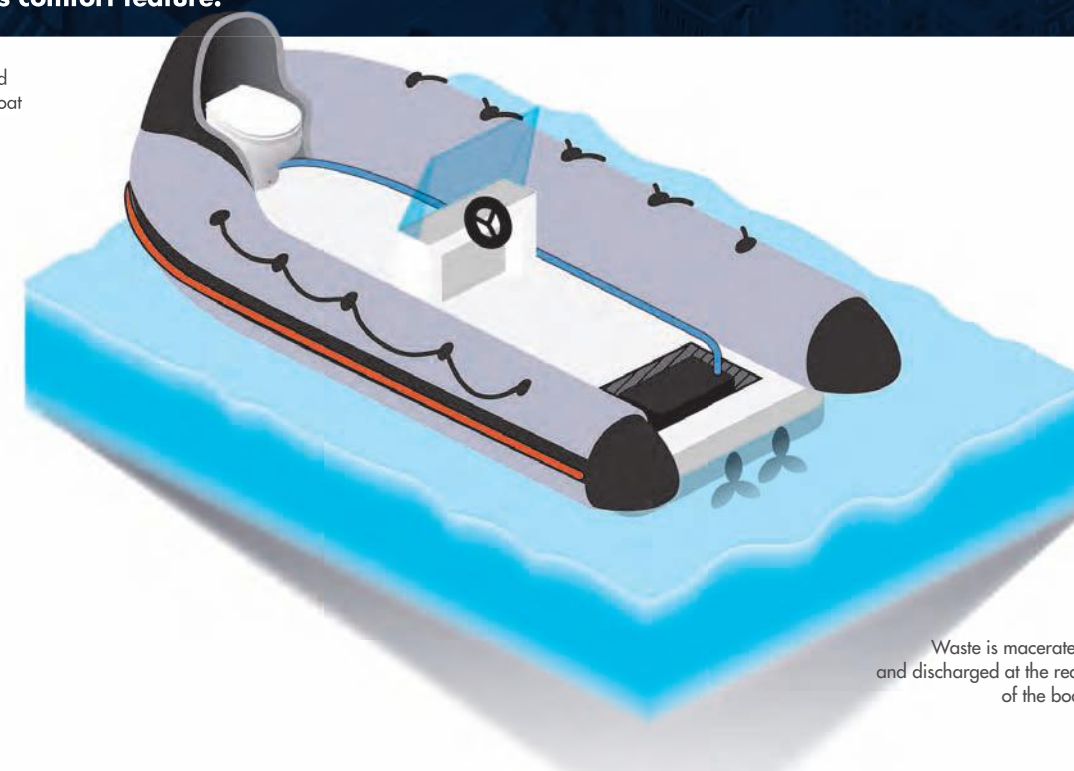


## SANIMARIN IS A "MUST" ON SEMI-RIGID INFLATABLE BOATS NEPTYS

With its elegant lines, its meticulous finish and its luxury equipment, Neptys gives a remarkable feeling of comfort. Sanimarin automatic toilets highly contribute to this comfort feature.



Semi-rigid Neptys boat



Waste is macerated and discharged at the rear of the boat



Neptys deck



Sanimarin connected to the black water tank

### CHALLENGE

- The naval architecte Olivier Philippot wanted Neptys to offer unrivalled advantages on a boat of this size: installing a toilet was a must.
- Manual pumps toilets were not an option, because of their poor design and lack of comfort through hand-pumping.



### SOLUTION

- Toilet compartment was equipped with Sanimarin 31, the smallest toilet on the marine market, that optimized tight space on Neptys boat.
- Waste is flushed down inside the Sanimarin toilet and evacuated into a 45 liter waste water tank located at the rear of the boat.





# DRAW YOUR PROJECT

