AREAS OF USE

The flexibility of SFA systems makes possible any sanitary application. Compact and ready to plug and pump, they find multiple applications to solve multiple challenges:

FAMILY HOUSE
The SFA macerators and pumps are widely used in residential applications. They make it possible to install a WC, complete bathroom, kitchen or laundry anywhere in 1 & 2 family houses, apartments, holiday homes, pool cabanas…

COMMERCIAL BUILDINGS
SFA offers sanitary solutions for many commercial applications around the globe. Various restaurants, hotels, bars, spa centers, business offices but also public buildings like schools, hospitals, airports, museums… are equipped with SFA units.

INDUSTRIAL APPLICATIONS
SFA is a partner of choice for manufacturing industries. The reliable and cost-effective SFA systems offer intelligent and dedicated solutions in industrial environments.

MOBILE UNITS
Compact and easy to connect to sewer lines or a septic tank, SFA macerators and pumps are the perfect choice to install a WC, washbasin or shower on trailers, bungalows, modular structures, floating bathhouses…

BOATS
SFA is the specialist for automatic marine toilets. SFA marine toilets can be installed anywhere on yachts, rigid and semi-rigid boats, barges… to evacuate waste water into black water tanks.
In the seventies, SFA extended its market scope. Today, it has 22 subsidiaries and distributes its products in multiple countries with an extensive network of importers and distributors. With over 6 million units sold worldwide on 5 continents, SFA has provided over 30 million users with extra facilities since we invented the product in 1958.
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.

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.

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 condominium
CHINA Shangai

MAKE THE MOST OF A BASEMENT IN LUXURY VILLAS, SHANGAI

Sanicubic Lift Station solves basement drainage problem in Chinese villas.

**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.
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.

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.

Attic where shower needed to be installed

Shower connected to Sanishower concealed behind the wall

Front elevation view of the villa

The waste water from the shower is discharged into the main drain pipe
SFA RECOMMENDS COMFORT IN RUSSIAN COTTAGES
Cottage owners strongly recommend the SFA macerating and pumping technology.

**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.

Front view of the Datcha

Main house and its adjacent “Bannya”

WC installation in the “Bannya” with a Saniflo unit

the waste water from the WC is pumped horizontally into the main drain pipe located in the main house
HIGH STREET TCHIBO COFFEE SHOP REQUIRED A BAR SOLUTION
Sanivite grey water pump offers an easy evacuation route at Tschibo, Istanbul.

**CHALLENGE**
- Like in many buildings, existing plumbing at Tschibo 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.

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.

Sanispeed concealed in a sink cabinet
Sink is drained into Sanispeed

Waste water is pumped to the remote main drain pipe
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.

**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.

Hairdressing salon with basins

Hydromassage cabin

the hot and soapy wastewater from basins is easily removed by Sanicom
AN INEXPENSIVE WAY OF REDESIGNING THE SOUTH BEAUTY RESTAURANT

Sanipack offers new opportunities in restaurant renovation project.

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

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

**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.

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.

Sanibest has the ability to pump the waste up.
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.

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 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.

**CHALLENGE**

- Kolbi has a production process that requires drainage situated 30 m 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 6 m vertically and then horizontally for the entire 30 m 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.

Model of trailers using SFA units

**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.

Waste water is evacuated into public sewer lines
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.

**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.

Crane used to place the bathhouse onto the floats

Toilet equipped with Saniplus macerator

Modular bathhouse equipped with SFA units

Saniflo grinders facilitate waste to pass through the pumps into the floating tank
Many sailors replace their hand-pumps units by Sanimarin toilets to benefit from best-in class comfort.

**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.

**FLYING BRIDGE BOAT**

**View of a flying bridge boat**

**Sanimarin SN31 selected by Locaboat**

**View of Sanimarin toilet connections**

**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.

**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.
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.

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.
Export department
S.F.A International Department
8, rue d’Aboukir - 75002 PARIS - France

+33 (0)1 44 82 39 20
+33 (0)1 44 82 39 25
export@sfa.fr