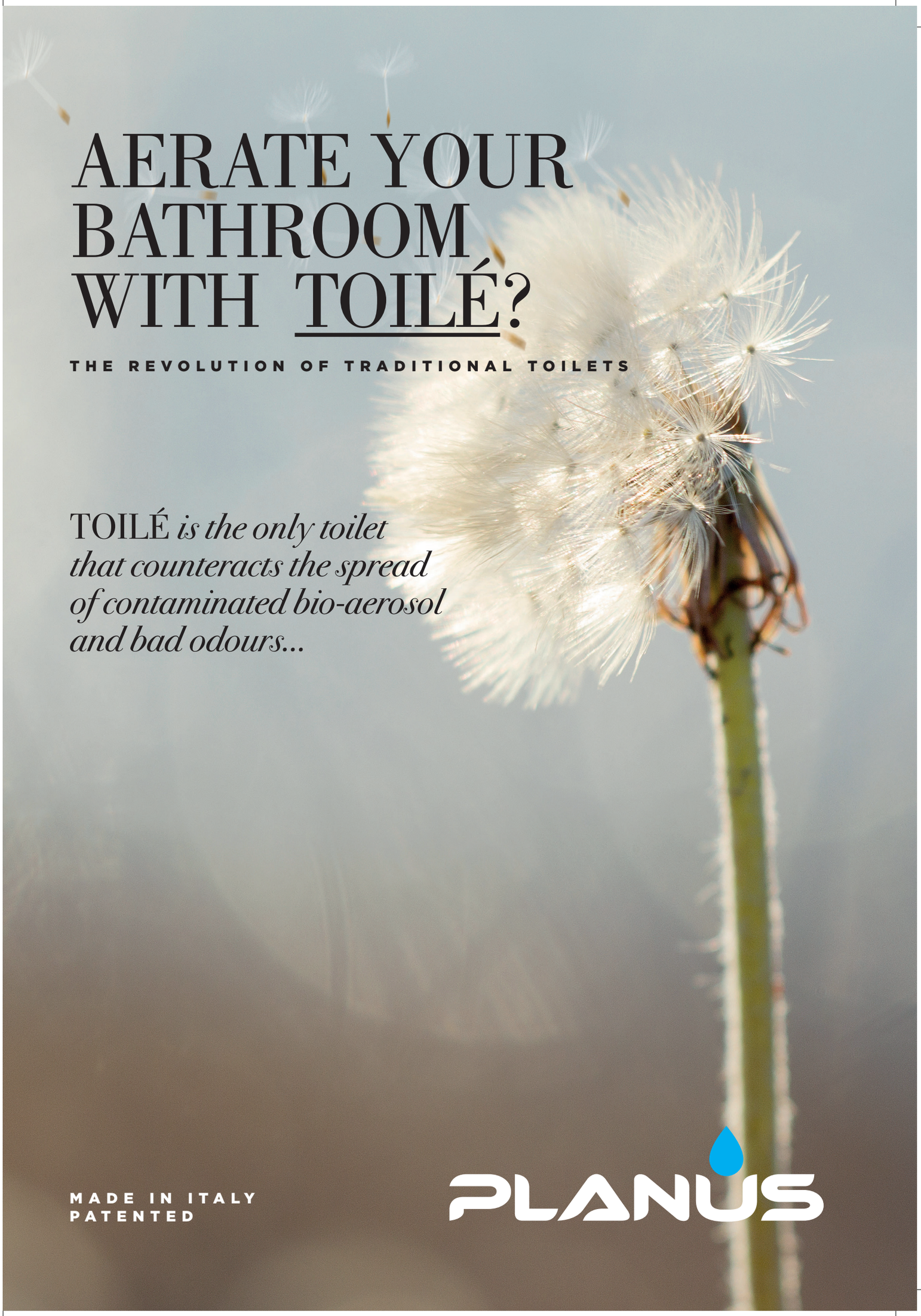


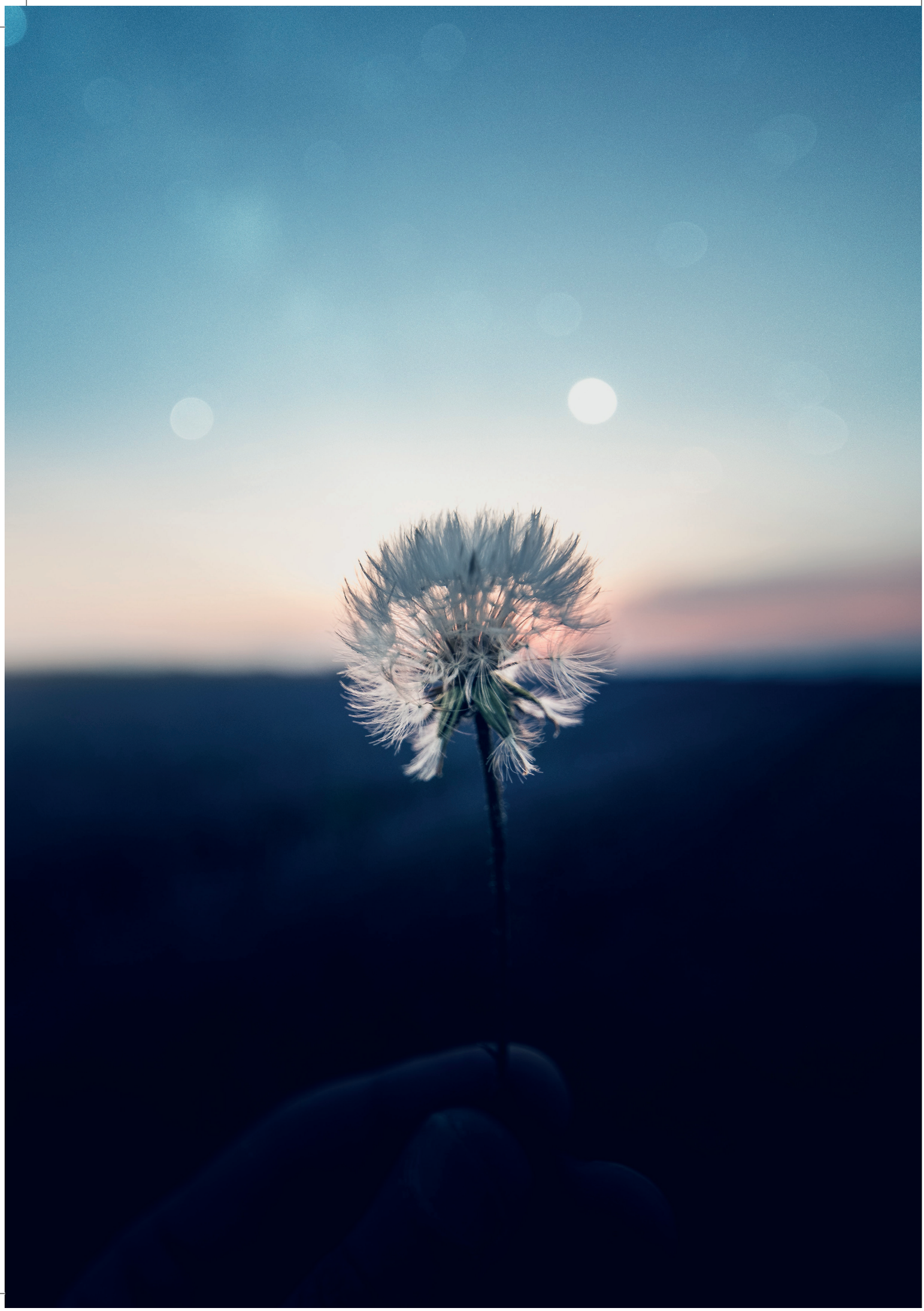
# AERATE YOUR BATHROOM WITH TOILÉ?

**THE REVOLUTION OF TRADITIONAL TOILETS**

TOILÉ *is the only toilet that counteracts the spread of contaminated bio-aerosol and bad odours...*

**MADE IN ITALY**
**PATENTED**

PLANUS



PLANUS

*Experience is a guarantee*

**Planus SpA** is an Italian manufacturer of ceramic sanitaryware and macerator pumps based in Italy. It is present globally through a widespread distribution network. Thanks to our 30 years of experience we offer a wide range of technologically advanced products.

www.planus.eu

# More than 30 years of passion and research

**1980**

Marco Giovannini founder of Planus SpA started his career in 1980 in the family business which produces ceramic sanitaryware for the residential market. With their entrepreneurial skills leads the company to a **quick growth and worldwide expansion, mainly to the middle east.**

**1988**

Thanks to the experience gained within the family business, Marco Giovannini invents and realizes **the first marine toilet with Vortex system.**

**2000**

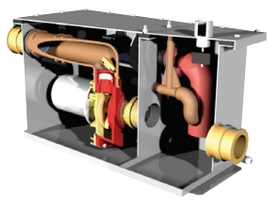
Strong of his success, he starts projecting and trading **products for residential use.**

**2009**

Establishes **Planus S.p.A.**

PLANUS

**2010**



Projects and realizes **automatic pumping plants** for boats' gray water.

**2012**

Company expansion allows the creation of an important department, dedicated to **Research and Development.**



IN COLLABORATION WITH

**GEBERIT**

**2015**

Planus team starts a **co-operation with Geberit** to develop a product having last generation's comfort and functions: the first marine toilet with multi-function seat.

**2017**

Creation of the **new luxury collection**, completely changing the design of all the products, to offer products keeping up with time.



**2020**

TOILÉ
THE TOILET EVOLUTION

Project and development of **Toilé**, first toilet having integrated air aspirator, avoiding spread of viruses, bacteria and completely cutting out bad odours.

**2021**

Realization of **AIREX system**, that permits Toilé technology to be applied to nautical sector.

AirEx

**2022**

Project and development of the first domestic toilet that enables the setting up of a complete bathroom by draining water from toilet, bidet, sink and shower through the toilet, **with its integrated macerator.**

**2023**

Realization of the first products for safety and control of boats: **WatchWater** and **AirStop.** Launch of product range to treat conditioners and boilers condensation.

WATCHWATER

AirStop

**TO BE CONTINUED...**

PLANUS

# Company

## ROME AND CIVITA CASTELLANA



**ADDRESS:**
Via San Giovanni Valdarno, 8
00138 Roma (RM) - Italy



**Headquarter:** All company's research, development, marketing and showroom activities are concentrated in this 800 sqm facility.
The decision to open an office in Rome was determined to favour the connection of the company with the universities of Rome, which provide specialized personnel who become part of the Planus team and represent the future of the company.
The structure is also located in a strategic area for visitors, being directly connected to Leonardo Da Vinci international airport, as well as the main railway stations. Even for those arriving by car, the unit is located close to the A1 motorway exit.











**ADDRESS:**
Via Gargarasi, 10 – Z.I. Prataroni 01033
Civita Castellana (VT) – Italy

**Production Plant:** In Civita Castellana's production site, an historical heart of sanitaryware production, all the Planus products are assembled, from ceramic toilets to macerator boxes. Planus also makes internal items such as the pumps and electric motors used by its products. All the Planus products are made in Italy and assembled on our premises with Italian components.




**While using the toilet the bad odour spread out from the wc and remain suspended in the air for a long time.**






It takes a long time to get complete air exchange through a wall exhaust fan or by opening the window, which in cold months causes the bathroom temperature to drop sharply.

# Toilé is the solution

PLANUS


SAVON
LIQUIDE
SOAP


TOILÉ
THE TOILET
EVOLUTION

# TOILÉ
## TECHNOLOGY

Toilé, is the only toilet registered as medical device by the Italian Ministry of Health (N° 2021139 - UDI: 8056459897007) and internationally patented.

**It is capable to aspire air directly from the toilet bowl during use, especially in the rinsing phase, moment of maximum spreading of contaminated bio-aerosol and conveying it outside the building.**

By sucking in the air at its source, the toilet thus created combats both the spread of unpleasant odors, viruses, and other pathogens. The ceramics of Toilé are made in such a way as to have a dedicated duct for the suction of the contaminated air directly from the basin of the toilet.



In addition:

✓ the separate chambers avoid overlapping flushing and aspirated air flows;

✓ the system continues its extraction activity throughout the time the toilet is in use especially, therefore, during the flushing phase;

✓ the aeraulic system (extraction and discharge of air containing contaminated air) is already inside the sanitary fixture and therefore does not require additional masonry work for the creation of dedicated piping;

✓ it has the hydraulic connections of any standard WC, according to the technical standard EN33, thus allowing a quick replacement with any WC.

PLANUS



ALTEMS
ALTA SCUOLA DI ECONOMIA
E MANAGEMENT DEI SISTEMI SANITARI

A study was carried out on the Toilé by ALTEMS, Hospital A. Gemelli and the Italian National Institute of Health, and was directed by Prof. Americo Cicchetti, current General Director of healthcare planning at the Italian Ministry of Health. Introducing this device in a context of healthcare prevention, reduces the nosocomial infection of the patients, increases the safety of healthcare professionals, and consequently also affects the costs of the healthcare system.

## TECHNOLOGICAL ALTERNATIVES

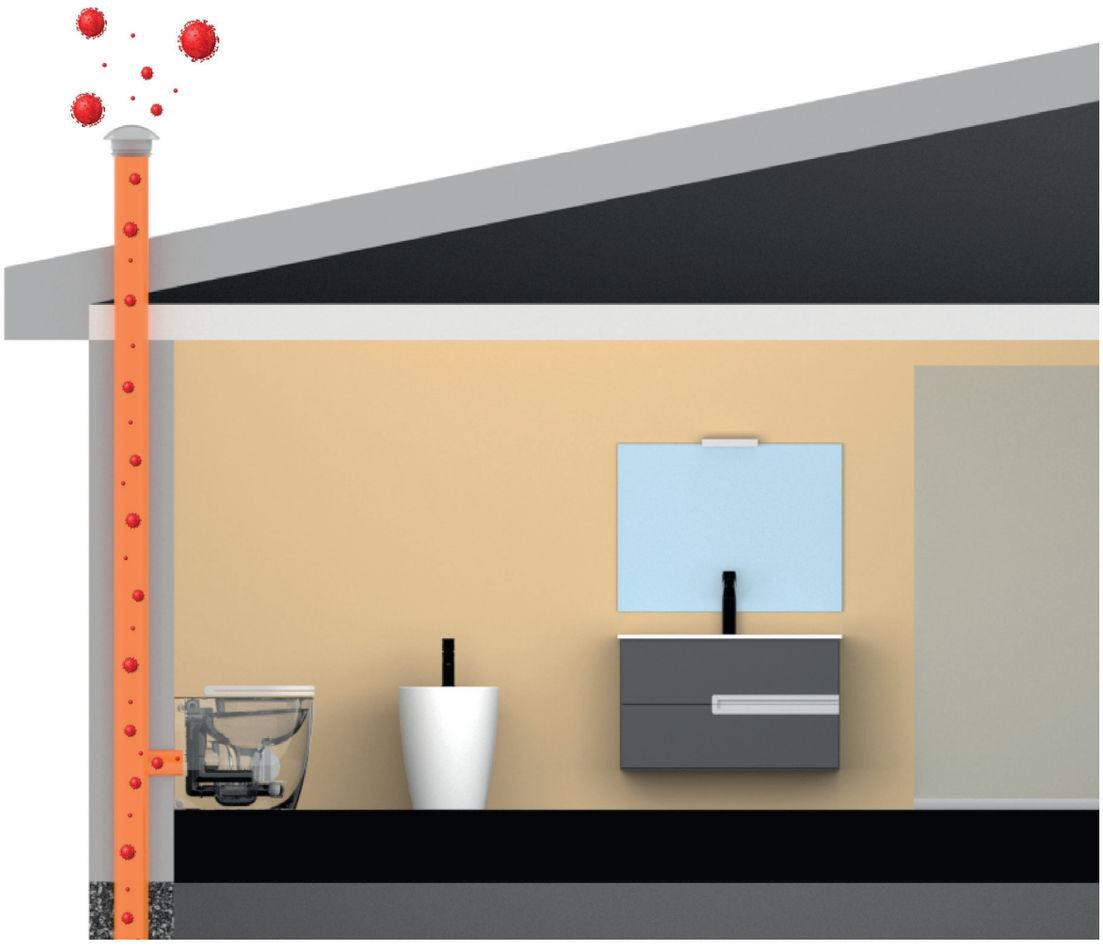
Possible technological alternatives that could be adopted in public restrooms such as (i) traditional wall-mounted air extractors; or (ii) Air extractors connected to the flushing cistern. In the first case, the air exchange takes a long time and therefore it is not possible to prevent the diffusion of the air that will be inhaled by the next user and will settle on the surfaces, contaminating them. The use of the bathroom, in this case, should be compulsorily interdicted, until the process of total exchange is completed. In the second case, the suction takes place through the pipe that connects the flushing cistern to the toilet. However, with this system it is not possible to aspire the air because during the flushing phase the air suction capacity vanishes completely as such the pipe is full of water and it is not be able to aspire the air.

| Product | Extraction of contaminated air | Active during the flushing phase | Patented system and medical device | Reduce surface contamination | No added masonry works |
|---|---|---|---|---|---|
| Toilè | Yes | Yes | Yes | Yes | Yes |
| Wall drain extractors | No | No | No | No | No |
| Extractors connected to the waste tank | No | No | No | No | No |

*Figure 1 shows a Comparison Table of possible benefits between Toilé technology and possible technological alternatives.*

# Installation

Toilé was created to be installed on every place such as small houses, skyscraper, offices, hospitals, hotels, restaurants etc. For this reason could work in two different way:



**1. INTEGRATED AIR EXTRACTOR**

Toilè aspire the air directly from the toilet bowl conveying it outside the building through the sewer pipe. **The ceramics of Toilé are made in such a way as to have a dedicated duct for the suction of the contaminated air directly from the basin of the toilet.** An aspirator built into the toilet is connected to this duct and directs the contaminated air directly into the sewer drain.

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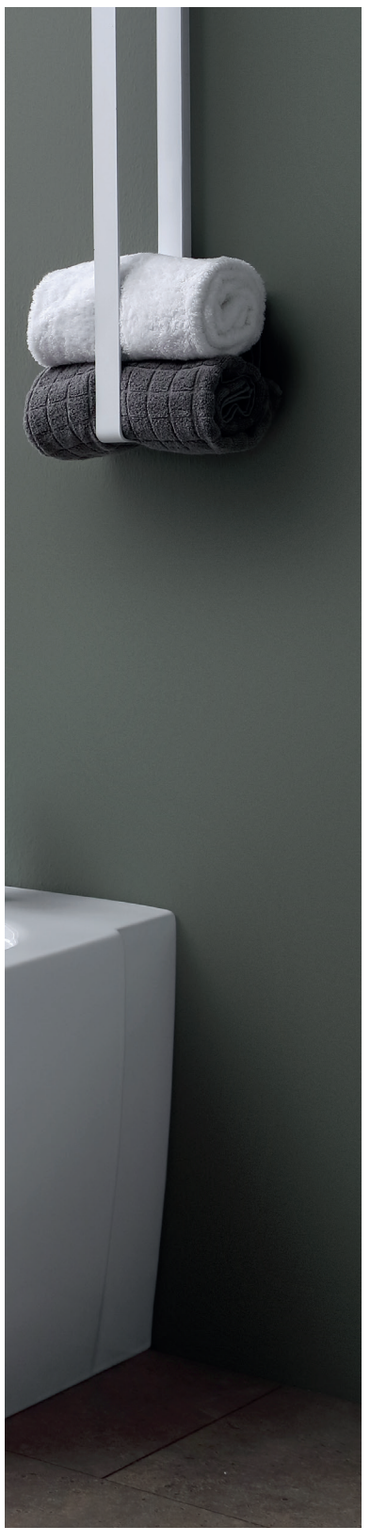

**2. CONNECTION TO THE GENERAL AIR ESTRACTOR OF THE BUILDING**

Toilè aspire the air directly from the toilet bowl conveying it outside the building. In this kind of installation **Toilé will be connected to the general air extractor thanks to its dedicated duct for the suction of the contaminated air positioned on the back of the toilet**. It will be supplied only the ceramic toilet (without integrated air aspirator).



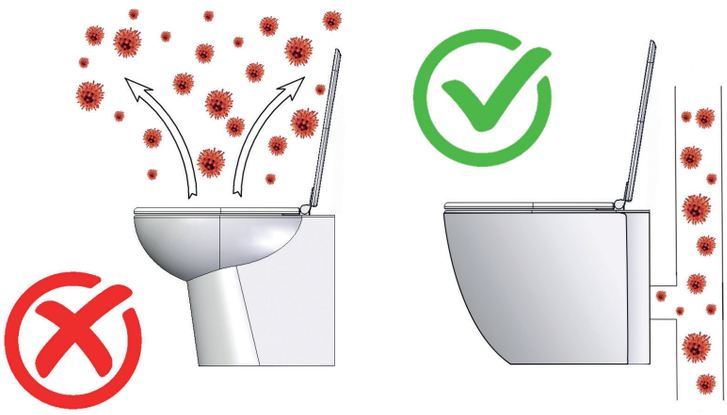



# A modern and essential range, with a pure design that hides an exclusive and patented technology inside





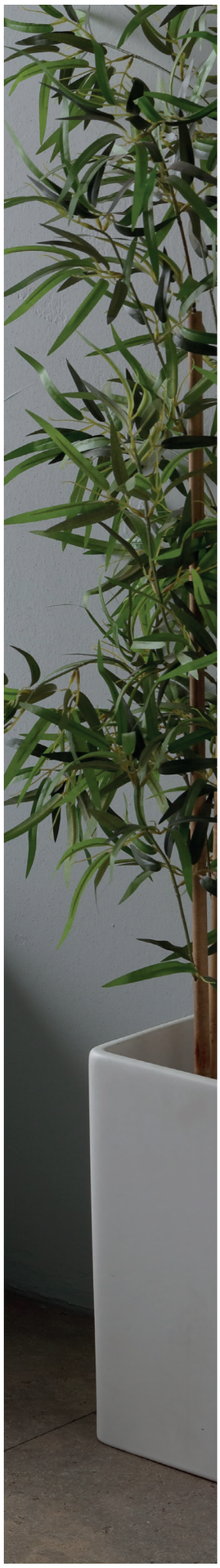
Toilé solves the problem of bad smells by removing them before they come out the bowl, avoiding its spread.
Furthermore, numerous official studies carried out internationally have shown that viruses and bacteria, including Coronavirus, are widely present in the aerosol generated during the use of the toilet.
Thanks to its technology, **the toilet conveys the sucked aerosol towards the drain column sewage system**.



PLANUS

# WALL HUNG TOILÉ





Wall-hung sanitarywares are increasingly popular for bathrooms with a modern design. For this reason, Planus has created the wall-hung version of the Toilé, in order to combine the most refined aesthetics with the exclusive technology of suction of the bio-aerosol directly from the toilet, **preventing its diffusion and bad odors in the bathroom**.








Without sacrificing style and functionality, Toilé H50 has been designed with ergonomically more suitable measures to be used by the elderly and / or people with motor difficulties, and fits perfectly to any type of request, **making the bathroom elegant, accessible, and safe**, not only in your home but also in public facilities such as rest homes and APA.

# TOILÉ H50-AID

*The Toilé is equipped with a sensor presence on request*



Toilé is also available in a version dedicated to people with disabilities, characterized not only by increased height, but also by the front opening to facilitate intimate hygiene. Especially with this version, suitable for hospitals and public structures, it is possible to add the motion sensor for automatic activation, also available for other versions.
The photocell allows **automatic activation of the aspirator upon detection of presence**, also avoiding physical contact with the manual switch.

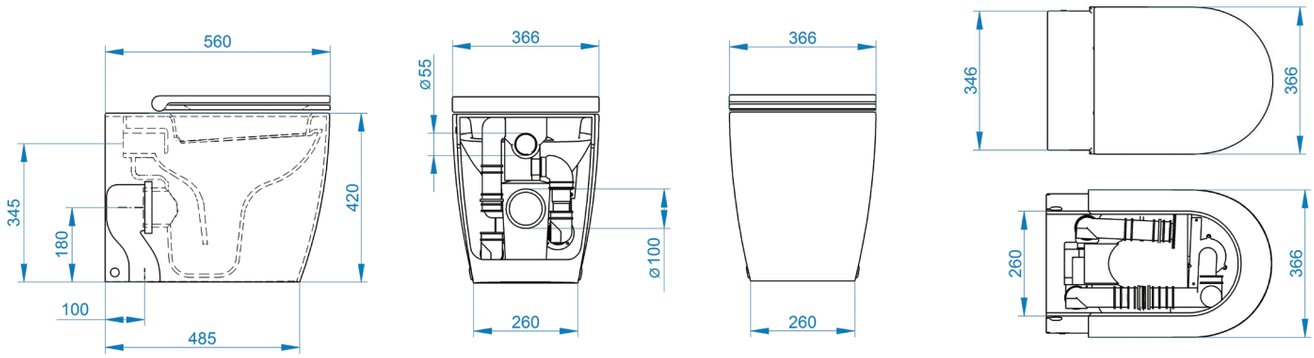
PLANUS

# TOILÉ WC

56x36,6x h 42 CM

The toilet is equipped with soft-closing seat and cover.






## TECHNICAL DATA

| | |
|---|---|
| **Air Extractor Power Supply** | 220-240Va, 50Hz |
| **Air Extractor E. Absorption** | 55 W |
| **Discharge volume** | 6 liters (EN997:2012) |
| **Reference standards** | EN33 – EN60335-1 |

**PRESENCE SENSOR**

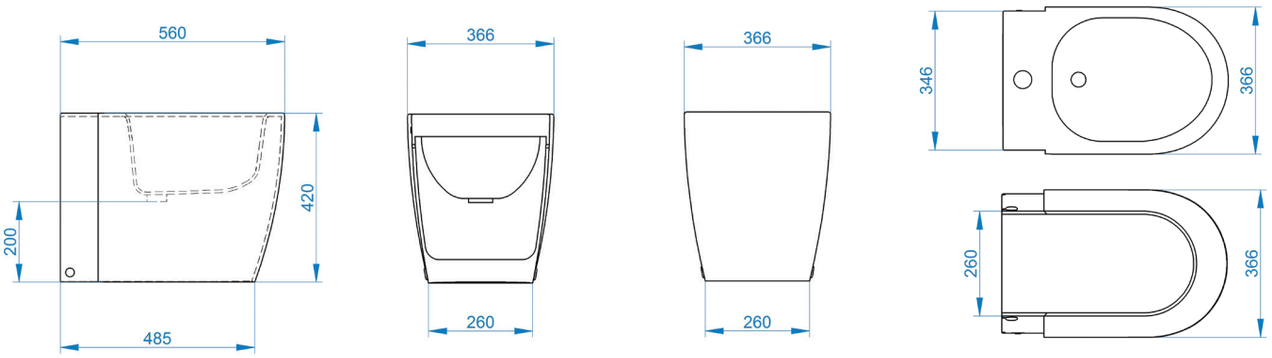


# TOILÉ BIDET

**COORDINATE SINGLE-HOLE BIDET**

56x36,6x h 42 CM





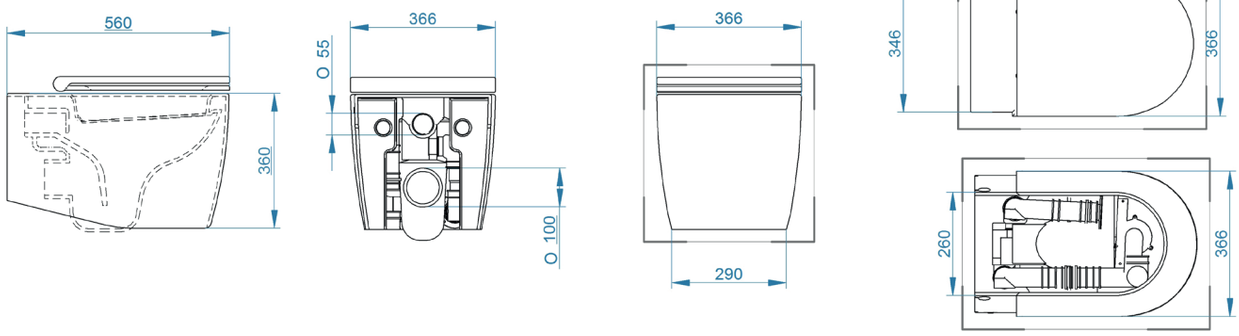

PLANUS

# WALL HUNG TOILÉ WC

56x36,6x h 36 CM

The toilet is equipped with soft-closing seat and cover.






## TECHNICAL DATA

| | |
|---|---|
| **Air Extractor Power Supply** | 220-240Va, 50Hz |
| **Air Extractor E. Absorption** | 55 W |
| **Discharge volume** | 4,5 liters (EN997:2012) |
| **Reference standards** | EN33 – EN60335-1 |

**PRESENCE SENSOR**

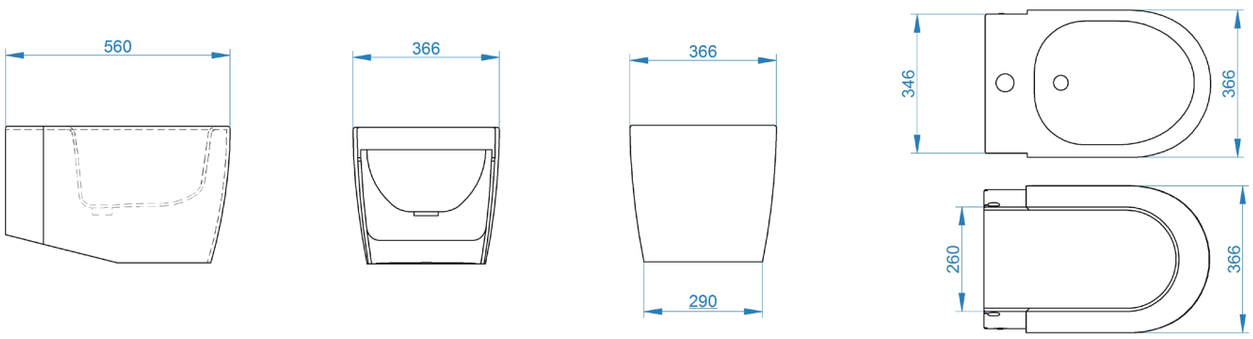


# WALL HUNG TOILÉ BIDET

**COORDINATE SINGLE-HOLE BIDET**

56x36,6x h 36 CM






PLANUS

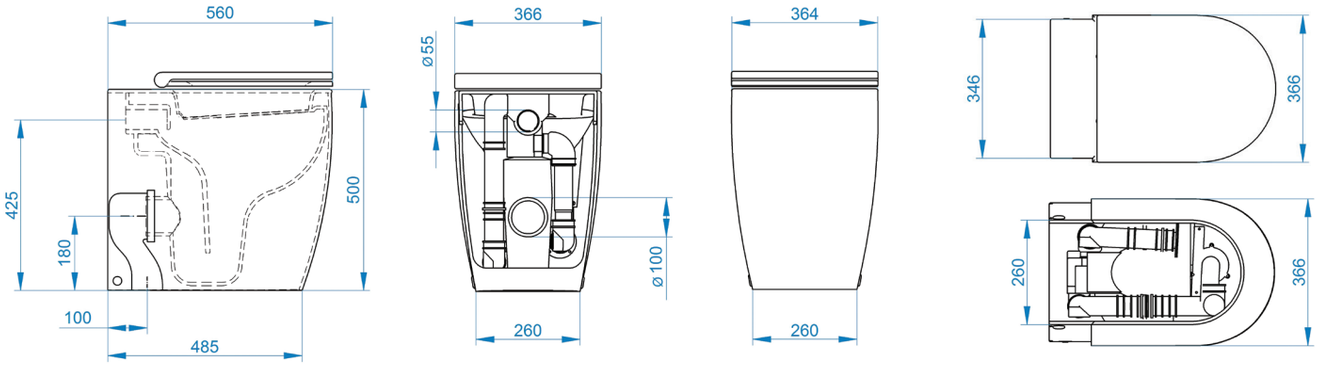
# TOILÉ WC H50

**VERSION FOR THIRD AGE**

56x36,6x h 50 CM

The toilet is equipped with soft-closing seat and cover.






## TECHNICAL DATA

| | |
|---|---|
| **Air Extractor Power Supply** | 220-240Va, 50Hz |
| **Air Extractor E. Absorption** | 55 W |
| **Discharge volume** | 4,5 liters (EN997:2012) |
| **Reference standards** | EN33 – EN60335-1 |

**PRESENCE SENSOR**



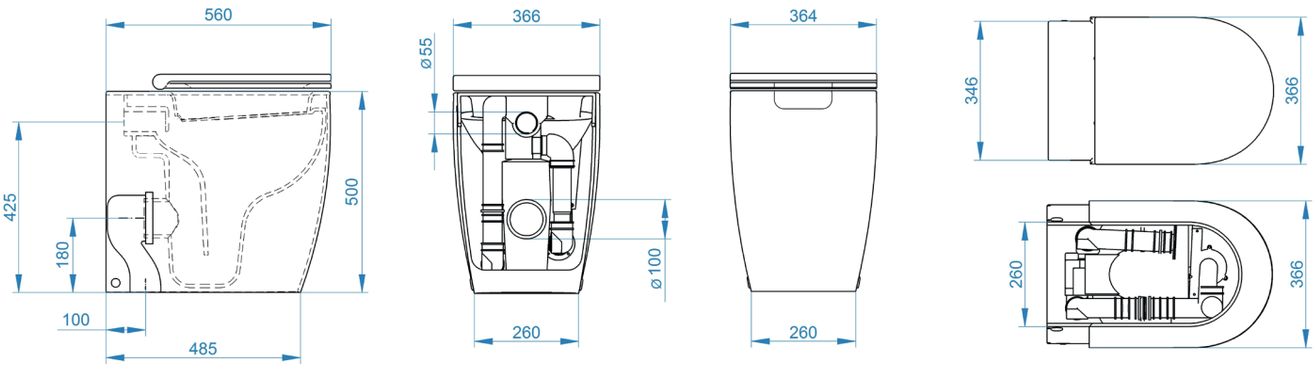
# TOILÉ WC H50-AID

**VERSION FOR DISABLED**

56x36,6x h 50 CM

The toilet is equipped with soft-closing seat and cover.






## TECHNICAL DATA

| | |
|---|---|
| **Air Extractor Power Supply** | 220-240Va, 50Hz |
| **Air Extractor E. Absorption** | 55 W |
| **Discharge volume** | 4,5 liters (EN997:2012) |
| **Reference standards** | EN33 – EN60335-1 |

**PRESENCE SENSOR**

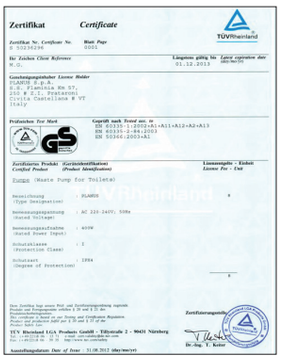


PLANUS

# 28 DEPOSITED PATENTS

The research for new solutions and the design of innovative products are the basis of our business.
Over the time our staff has filed 28 patents.

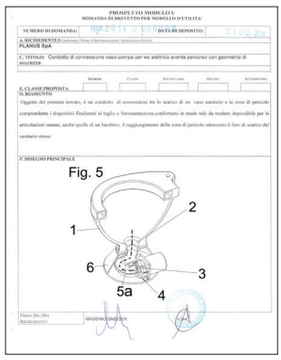


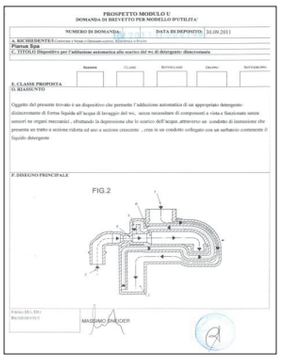








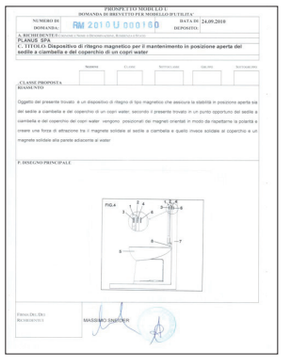























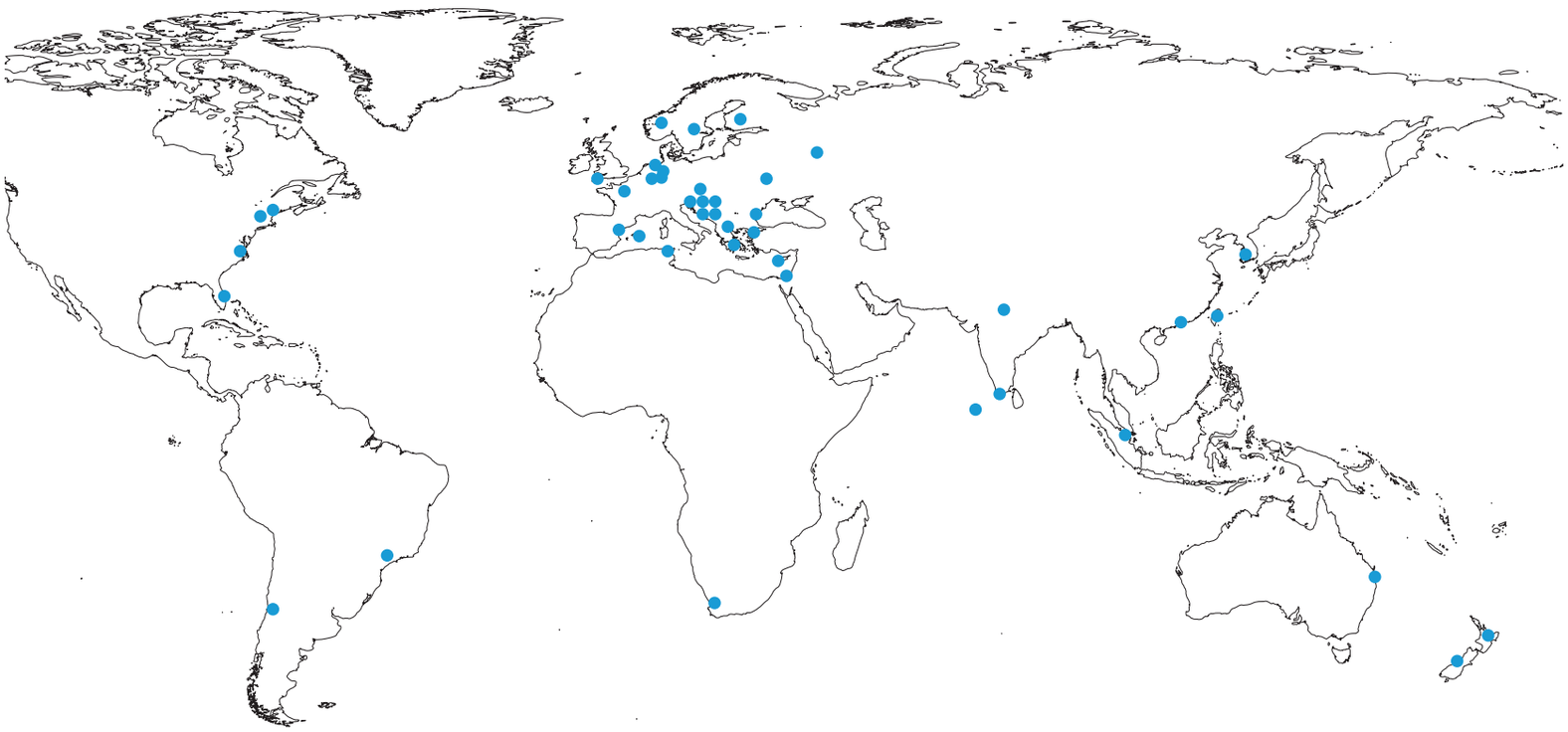












# NETWORK

**EUROPA**
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GERMANIA
OLANDA
SPAGNA
BALEARI
BELGIO
GRAN BRETAGNA
GRECIA
BULGARIA
SERBIA
MACEDONIA DEL NORD
UCRAINA
SLOVENIA
CROAZIA
PRINCIPATO DI MONACO
MALTA
NORVEGIA
SVEZIA
FINLANDIA

**ASIA**
RUSSIA
INDIA
SRI LANKA
MALDIVE

**ASIA MEDIO ORIENTE**

CIPRO
TURCHIA

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TUNISIA
SUD AFRICA

**OCEANIA**
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BRASILE
CILE

PLANUS

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Studio21 - www.studioventuno.eu



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