



Wall dehumidification with  
multi-frequency impulses

# Genié

healthy & dry walls



Eliminate rising damp  
once and for all





## Genié: rising damp's biggest enemy



This is an exclusive wall electrophysical dehumidification system with technology based on **“multi-frequency impulses”**.

Designed and made by Tecnova Group, which **filed an international patent application**, this is a small and yet extremely effective device that ensures permanent results.



Indeed, Genié completely eliminates the issue of capillary rising damp on any kind of wall, allowing it to dry permanently. Treated walls can therefore be restored and you can forget dampness, plaster damage, salt deposits and mildew stains once and for all.



100%  
effective  
on any kind  
of wall



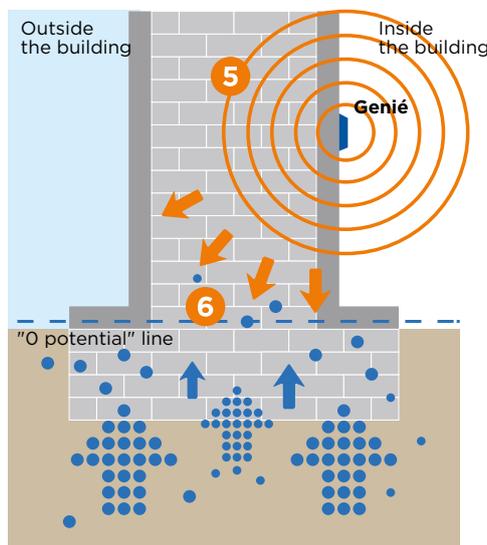
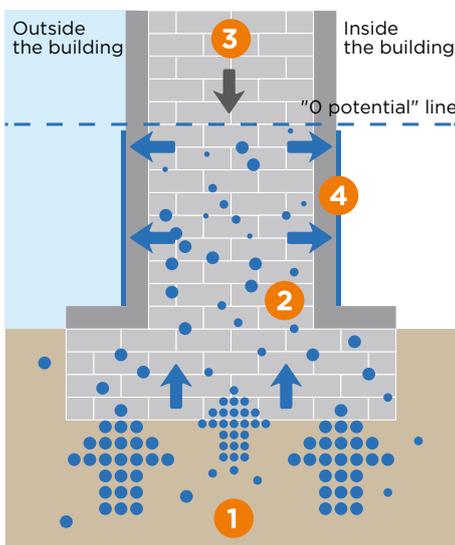
## To permanently eliminate rising damp Genié operates with multiple frequencies rather than just one

Genié generates an electromagnetic field inside the wall that interacts with water molecules and stops them from rising. **Unlike other similar systems, based on single frequencies, Genié instead generates a train of impulses at various frequencies** that provide excellent results on any kind of wall, regardless of the geometry of the capillary pores and the materials.

Patent number  
PCT/IB2015/057708



## How Genié removes rising damp



- 1 Due to their dipolar nature, water molecules are attracted by electric forces inside microscopic channels called capillaries. Every molecule in the ground can therefore travel upwards through the capillaries and reach buildings' foundations and walls.
- 2 As it rises, water dissolves and carries the salt it encounters, which is one of the main causes of damage to plaster.
- 3 It stops moving up along the "0 potential line", where capillary attraction and gravity balance each other.
- 4 At this stage, the water in the walls evaporates and is replaced by other water from the ground.
- 5 Genié generates impulses that interfere with electric attraction forces inside the capillaries on the walls.
- 6 With a constant and targeted action it brings the "0 potential" line back to the ground and pushes water back into the soil. This stops mould from forming and prevents risks affecting the integrity of the building.

## Versions

Light



Pro



Genié can dehumidify surfaces ranging from a few square metres up to – with its Pro models fitted with repeater systems – 5000 m<sup>2</sup>. With 10 models featuring various operating ranges, it is available in the **Light** version, the most economical one and suitable for independent installation, and in the **Pro** version, which is designed for professional use and requires installation by a technician. Therefore, with its wide range it can flexibly meet the needs of different building structures.

With Light and Pro, there's a version to suit any kind of need



### Santa Maria Assunta Cathedral, Cremona

Twelve months after installation moisture levels on walls dropped significantly, with decrease in dampness up to 70%. After 16 months, the dehumidification process stabilised the humidity value of masonry between 2% and 4% (the physiological value of masonry).

## 100% effective and safe



You can purchase Genié in complete confidence, as its numerous applications prove the validity of the solution in different contexts, also of great historical and architectural value. Plus, it is completely safe for living beings. The magnetic induction generated by Genié is less than the one generated by a light bulb.

Average magnetic induction in microtesla (QT) at various distances

Source	Proximity to source surface	At 30 cm	At 50 cm
Hairdryer	2500	7	-
325W light bulb	2500	-	0.4
Electric razor	1500	9	0.2
<b>GENIÉ</b>	158		<b>0.02</b>



## Free advice and DIY installation



With an essential design and very small dimensions, it can also be placed behind furniture. You can also install it yourself by fastening it with simple screw dowels and a connection to a normal power socket. Upon request we provide a free technical advice service to check in advance any presence of rising damp and other contributing factors and, accordingly, to propose the best solution. Along with the Pro version, the technical support can include installation and monitoring by gravimetric method, CM (calcium carbide) method and thermography, as well as, if required, a device remote control system or even other solutions for the complete restoration of the building.



#### **EFFECTIVE**

*Guaranteed to remove rising damp once and for all*

Genié, the masonry electrophysical dehumidification system with technology based on "multi-frequency impulses", eliminates capillary rising damp, treats the building's structure and allows for its restoration.



#### **A UNIQUE AND PATENTED PRODUCT**

*Can't be confused with other brands, products or systems.*

Genié's technology based on "multi-frequency impulses" makes it a unique product, which is protected by an international patent.



#### **SMART**

*You can count on a smart solution to rising damp.*

Genié uses the very cause of rising damp to its own advantage. Indeed, it creates an electromagnetic field inside the wall structure that interacts with water molecules and stops them from moving up.



#### **SAFE**

*You can easily use it in any domestic setting, even if there are children and babies.*

Genié creates an electromagnetic field inside the walls with minimal interference with living beings or other electrical devices. The magnetic induction generated by Genié is less powerful than that of a light bulb.



#### **PRACTICAL AND NON-INVASIVE**

*It blends in with the environment around it.*

With its small size, Genié has a compact and essential design. Suitable for installation in homes, even behind furniture, is a non-invasive solution for historic buildings, with extremely low aesthetic impact.



#### **EASY TO INSTALL**

*You can even install it yourself.*

Genié is fixed to the wall at a height of about 2.20 metres with four simple screw dowels and then connected to a normal 220 Volt socket.



#### **FLEXIBLE**

*You can use the best-suited model according to your actual needs.*

Genié is available in various models with different operating ranges in order to adapt to the size of the surfaces you need to treat. For large surfaces there is also a repeater system that can cover up to 5000 m<sup>2</sup>.



#### **WE PROVIDE SUPPORT AND MONITORING**

*You can check and monitor its dehumidifying action.*

Upon request, our technical service is available to provide installation and monitoring by gravimetric method, CM (calcium carbide) method and thermography.



#### **GUARANTEED**

*You can purchase in complete confidence.*

Its effectiveness against capillary rising damp is 100% guaranteed.



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multi-frequency impulses



Genié is a unique electrophysical dehumidification system based on "multi-frequency impulses". **100% effective on any kind of wall, provides greater efficiency in less time.**



Residential buildings



Public buildings



Places of worship



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