

# Disruptive quantum water filtration technology "QTI"

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**Theme 1b : delivering Water from Source to tap (treatment)**

## SUMMARY

Qti is a new quantum technology of water filtration. No loss of water, no plastic waste, keeps mineral salts, reduces salt and the main pollutants: bacteria, pesticides heavy metals, antibiotic. The refills consist of carbon tube which are returned to the laboratory for analysis and recycling.

Global warming and the melting of glaciers will cause the rising waters and the submersion of coastlines and infrastructure.

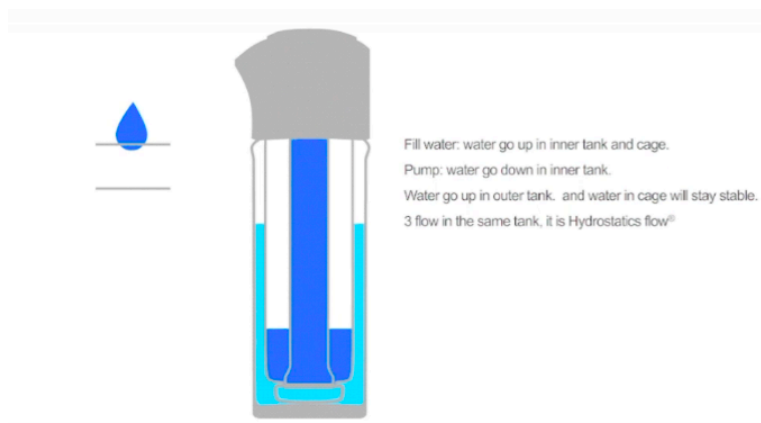
This technology can be implemented in different portable or fixed machines, it does not require a connection to the network. It is a mini autonomous filtration station.

## KEYWORDS

**circular economy, global warming, nano-technology , pollutant reduction, salt reduction.**

## Introduction:

This note details the 4 different elements that make up this disruptive filtration technology : QTI© Mechanical structure , Membrane "Open pore", Carbon refill system, Filtration components.



## QTI Mechanical structure .

- Structure is composed of 6 pieces.
- Water waiting for filtration (stored in the internal tank) is kept at a high level by a tube.
- Under pressure, the air pushes the water through a membrane and a membrane support. The water passes through the membrane, down vertically to be collected in an external tank.

- 3 levels of water are then moving in a reduced-size device (a 0.75 L bottle). Stable level in the tube, lowering the water level in the internal tank, raising the level of filtered water in the external tank.
- Watch video on the site to understand how does it work.
- Device is patented in several countries.
- <https://www.leautustechnologyinside.net/#r-and-d>



Membrane "Open pore"

2nd element of "QTI" technology, membrane "open pore" is made in a specific material, developed in partnership with a world leader (close to ceramics).

- exclusive points: high porosity, specific pore size, total absence of arsenic.
- 3 membranes for a more effective treatment: vertical, horizontal down, in patch (in red in photos below).
- See the movie "LEAUTUS® 2 years R & D, test and certification by Intertek Manager"
- These exclusive points allow easy integration of the carbon refill system shown below.

<https://www.leautustechnologyinside.net/>



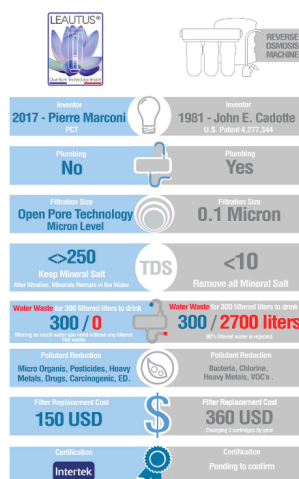
Carbon refill system

3rd important element of "QTI" technology: carbon refills.

- Pollutant reduction performance is achieved through an exclusive carbon refill system in the open pore membrane (pictured on the left) and in membrane holder.
- The change of these 2 refills monthly allows a reasonable economic cost to keep important parts (membrane and support) for 12 MONTHS.
- Exclusive and patented system in different countries.

## Filtration components:

- inside carbon refills, we use different components developed and tested for 4 years. their compositions and names are kept confidential.
- In addition of the different components allows reductions of all forms of pollution. Or very easily by adding new equipment if a pollutant was not treated to date.
- We can indicate that ion exchange resins, carbon in different forms are notamentally used.
- See the movie "research & development  
<https://www.leautustechnologyinside.net/>



## Comparison with R/O technology

No water waste ,no plastic waste , keep mineral salt , circular economy , pipe monitoring , lab water testing .

<https://www.leautustechnologyinside.net/#infographic>

## Conclusion

- (1) Mechanical structure and (3) refill system are specific elements of QTI which are the subject of patents belonging to the inventor. The miniaturized size of the filtration group allows its implementation in different autonomous filtration system ( without electricity) or portable as well as in appliances such as refrigerators, coffee makers. office fountain. Tc. These performances allow QTI to be present in all segments of water consumption.
- (2) The "Open pore" membrane and (4) the components are developed in partnership with leading manufacturers. The development of the 4 elements by the same creator (Pierre Marconi) explains the exceptional performances of the technology and the protection by different patent.

NB: Wiracocha has chosen these different components, which can be easily changed according to the preferences or choice of the licensee.

On the other hand, in order to achieve an easy and fast technology transfer with the R & D teams of the licensee and to continue the development of technology "QTI" on the reprocessing, technology BLOCKCHAIN, the treatment of salt water and radioactive.

