



**It is about  
way more than  
drinking potable water and having energy  
or  
Mobile Network-Software**

So, what did we do here?

Sic et simpliciter, we did put the physics of vortexes to work. Vortex physics is nested in:

- Supercement and Superfoam
- Vacuum distiller "Aladin" making pure potable water
- Archiméd s 350°C solar mirror's energy carrier
- Post Oxidizer "Mixcoatl" a 700°C heat pump and hyper exchanger, a 30% fuel recuperation process from exhaust fumes and a filter

Using our Vortexed Supercement (proprietary hyper-vortexed cement) that has a compression strength tailorable from 50N/mm<sup>2</sup> to 300N/mm<sup>2</sup> and is ideal for making wings, car, or boat parts withstanding fire. We insulate up to 1000°C, providing acoustic, thermal, and electromagnetic insulation at no CUI and VOC. Vortexed Supercement is certified for drinking water. We adopt Vortexed Supercement and Superfoam to [fix tunnels, water wells, water springs and water pipes](#). The size does not matter. Supercement-foam-shells have a Lambda of 0.0348W/mK (25°C) and density @0.12 gr/cm<sup>3</sup> and is stabilized by a 105N/mm<sup>2</sup> Supercement hard shell layer. We build homes or villages on Supercement and Superfoam or shape special industrial parts operating @800°C with it. Vortexed Supercement Superfoam is superior to Vortexed Supercement foam.

(pls see our document [Vortexed Supercement and Superfoam](#) )

Our "Aladin" drinking water vacuum distiller machine works 24/7 or intermittently with dirt-water or saltwater. Its peculiarity is the superior energy recuperation process (60Wh/L). It uses electricity and it delivers starting from 0.3m<sup>3</sup> up to 5m<sup>3</sup> of drinkable water per day, which is stored @+5°C. It can be configured as a 3 stadium subsequent distillation process also, therefore radionuclide, Tritium included, and micro-plastics like everything else are removed in a low temperature distilled water cycle. Water is kept UV-C sterile and is then mineralized to soft water again. We can use any type of crystals in post-mineralization filters as you prefer. Best if you use our steel pipes coated inside-out with Vortexed Supercement. We supply you with the size-cut pipes if you send us the 100:1 CAD pipes project.

It is also possible to have a smaller water hyper-sterilization and a shredding unit called "μ-hydrothermal-cracking" (200 liters/day). It is collecting solar heat and is PV-generating its own electricity needed to operate, to get pure, safe potable water, from your lake, river, or sweet-well-water while using a fraction of [Archiméd 's](#) technology, a +350°C solar focal concentration mirror system.

You will filter out particulate in suspension, micro-plastic, and nitrate only. Radionuclide can not be removed. Organic molecules are inactivated because water under high pressure and temperature uses largely available Oxygen and Hydrogen to chaotically bond to the radicals originated by hydrothermal-shredding organic molecules.



pls see our 2 documents: [Making unlimited amounts of Soft Potable Water](#) and our White Paper: [The nightmare of having pure potable soft water](#)

Our "Post-Oxidizer Mixcoat!", is a kind of 700°C heat pump hyper heat exchanger. It intakes MW of energy from HFO/Diesel exhausts and it recuperates up to 30% of unburned fuel contained in fumes and filters them out because we recombine Hydrogen to Carbon. It makes MW sized HFO and Diesel cogens look much greener at an affordable cost. It is adequate to supply MW of thermal power up to 700°C to any chemical process, such as for example hydro-thermal thermoplastics-recycling.

(Please read our document [Post Oxidizer heat pump and hyper heat-exchanger delivering 700°C](#) )

Read about our way how we build your villa in Vortexed Supercement and Superfoam, which is designed by star architect Renzo Gennaro. In our team, we have a specialist in Extra Sensorial Perception (ESP) focused upon Radiofrequency and Ultrasonic emissions interfering with livings. All our mobile telecommunication systems in your specially made home are at NO RF or ultrasonic emissions. The throughput is up to 1 Gbps.

( pls see our document [Smart Home Clima Haus](#) \_with Greenery Walls)

Of course, we do proper and precise Lidar 3D CAD model mapping of pipes and tunnels.

(pls see our document [3D millimetric Mapping and Vortexed Supercement pipes and tunnels repairing](#))

We offer applications WEB based and 3G, 4G-LTE, and 5G networks software applications.

( pls see our document [WEB based and 3G, 4G-LTE, and 5G networks software applications](#))

**Your Swiss Team**  
**SSBC-CACH sa**  
[ssbc-cach.com](http://ssbc-cach.com)