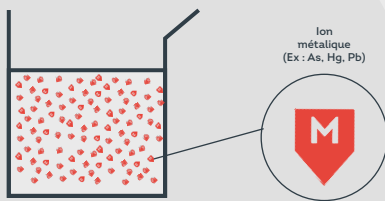


DEPOLLU'SON PROCESS

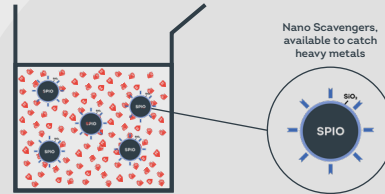


A **green and easy way** to take off the **heavy metals** from the **polluted waters**



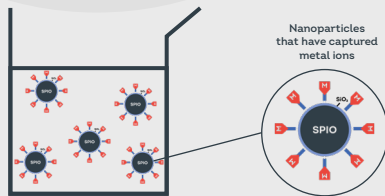
Context : you want to purify water poluted by heavy metals. (Ex : As, Hg, Pb...)

Those heavy metals are in a nanometric scale.

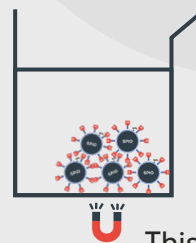


Our nano scavengers nanoparticles can be used to target and catch one metal in particular.

This fact makes our technologie very accurate.

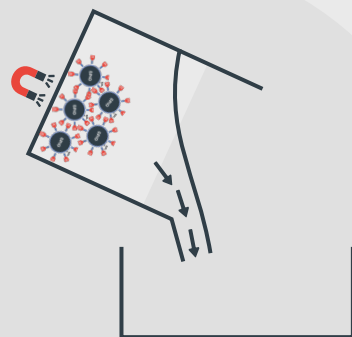


Next they capture heavy metals.

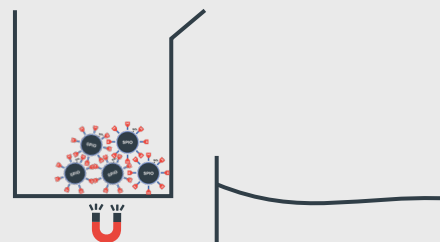


Once the nano scavengers did they work, you can attract them with a magnet.

This purification process is called the magnetic purification.



To finish, you put the water off the recipient, and keep the nanoparticles with the heavy matals thanks to the magnet.



In the end, you have your pollutant wich are separated from your water.

Some **key datas** about our **water depollution tests**

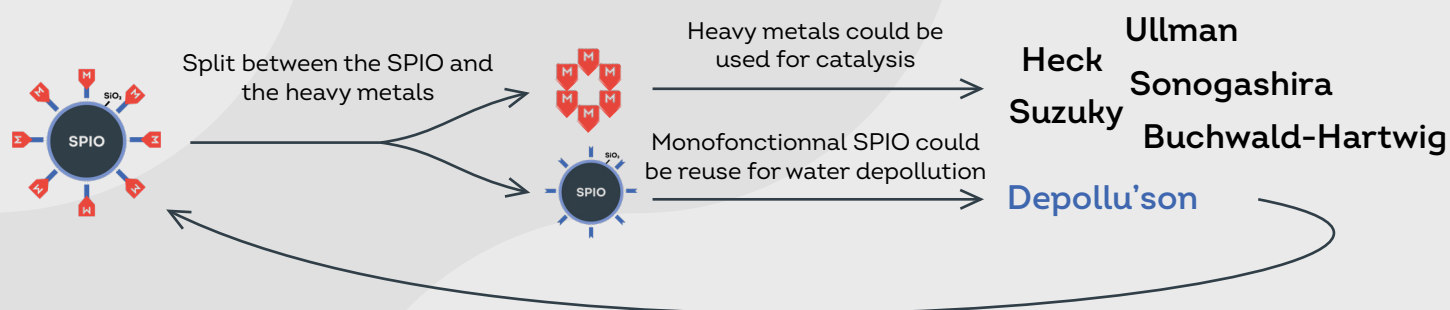
Copper (Cu) depollution in a effluent after a catalysis

Test	Chelation yield
Solution 1	70%

Rhodium (Rh) depollution in a effluent after a catalysis

Test	Chelation yield
Solution 1	70%
Solution 2	71%

An **ambitious perspective** : **take back and reuse** the **heavy metals** in **catalytic process**



To resume, SON solution is:

Easy

The magnetic recovery process allows you to easily depollute your effluent

Economical

This project could allow you to take back your expensive critical metals

Green / Clean

No release of chemicals into the nature



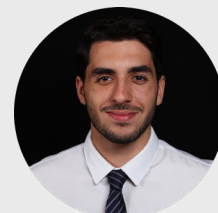
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