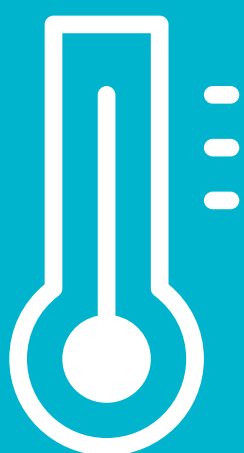
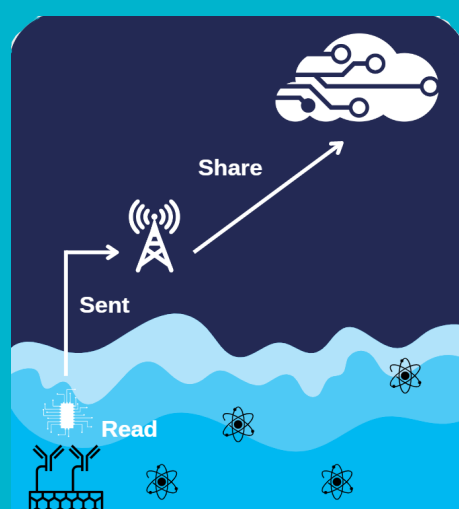


## WHAT IS THE LOTUS SENSOR ?

The LOTUS sensor is a multiparameter chemical sensor array based on carbon nanotubes technology. It can monitor multiple chemicals at the same time and on the same chip. Information on chemicals is collected on one only chip, that is going to read all the data, then send the information to an antenna and finally share it through the Cloud.



## WHAT DOES IT MEASURE ?

Within the framework of LOTUS, four main parameters are targeted at this point which are:

- PH
- active chlorine,
- temperature,
- ethical conductivity of the water.

However, other parameters can be added.

## WHAT ARE THE ADVANTAGES ?

The advantages of a LOTUS sensor are :

- that it can provide a very compact solution at a lower cost,
- it can be used for other parameters that, as of now, cannot be measured.



## AFTER THE PROJECT



- Commercialization and production of the sensor in India
- Possible replication to other countries
- Possible replication to other sectors
- Consumes less energy
- 10 times smaller

To learn more about the project, please visit our website: <https://www.lotus-india.eu/>  
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