LOTUS

LOW-COST INNOVATIVE TECHNOLOGY FOR WATER QUALITY MONITORING
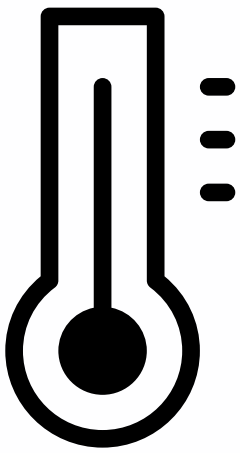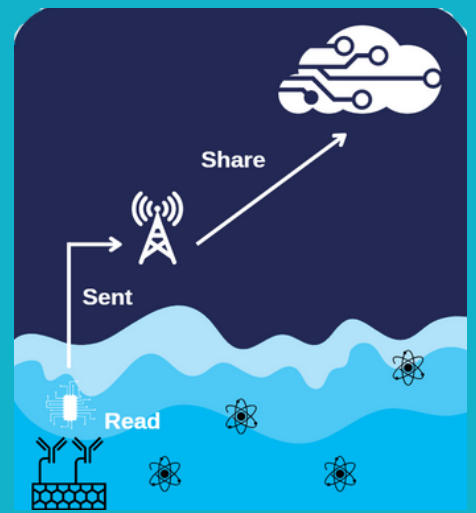AND WATER RESOURCES MANAGEMENT FOR URBAN AND RURAL WATER SYSTEMS IN INDIA

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 measured:

- 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 :

- it is less expensive
- it consumes less energy
- it is 10 times smaller than others on the market
- it measures several parameters on one chip
- it can be used for other parameters that, as of now, cannot be measured.

AFTER THE PROJECT

- Commercialisation and production of the sensor in India
- Possible replication to other countries
- Possible replication to oher sectors

To learn more about the project, please visit our website: https://www.lotus-india.eu/
And follow us on our social media accounts:

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