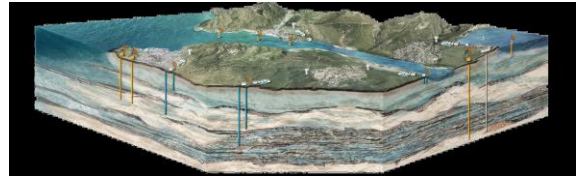


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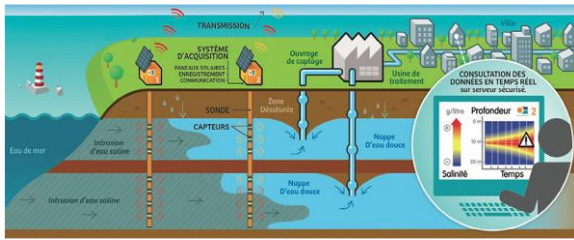
An integrated solution for monitoring in coastal waters

Stereau Equipements et Services, an expertise center attached to Stereau, includes engineers and experts specializing in water treatment plants and drinking water production. As part of its mission, **Stereau Equipements et Services** offers drinking water plant operators digital solutions from **IMAGEAU**, a subsidiary of the Saur group.

In coastal areas, salt water can penetrate several kilometers inland following a drop in water level (drought or excessive pumping). If left unchecked, this phenomenon compromises a region's drinking water supply and economic activity.



Monitoring the saltwater wedge and knowing its position is essential to ensure optimal management of coastal water resources.



IMAGEAU has developed the SMD (Subsurface Monitoring Device), a geophysical tool for installation in a PVC piezometer. The SMD continuously records the electrical conductivity of the water over the entire vertical length of the aquifer. This integrated, patented solution provides **real-time information on the position and evolution of the saltwater wedge**.

Among IMAGEAU's references

- Establishment of a saltwater wedge monitoring network using SMD in Israel (HSI, Hydrogeological Survey of Israel)
- Monitoring of saline intrusions with regard to the operation of coastal wells (Chatelaillon, Saint-Philippe - SAUR)
- Monitoring of saline intrusions in Charente Maritime (SDE17, Syndicat des eaux Charente Maritime)
- Hydrogeological monitoring of the Azraq aquifer (Jordan) Knowledge of water salinization mechanism (MWI, Ministry of Water and irrigation of Jordan)
- Monitoring of saline intrusion in the Vilaine estuary using SMD (IAV, Institution d'aménagement de la Vilaine)



The experts at Stereau Equipements et Services and IMAGEAU will be happy to give you a detailed presentation of this innovative solution, which provides effective protection for water resources.