
AEL

**MARCH 2018** | N°01

# THOË : an AEL/LEA innovation

## AEL/LEA Laboratory is pleased to announce our presence at the « Oceanology International 2018 » held on 13 to 15 mars 2018 in London.

Jean-Michel FERNANDEZ and Benjamin MORETON presented «THOË », a patented automatic and autonomous sampler using DGT® devices for the analysis of dissolved metal species and organic compounds in seawaters and freshwaters.

THOË was designed by AEL/LEA and manufactured by TECHNICAP .

MORE...

THOË
AEL/TECHNICAP

## SAMPLER FEATURES

TECHNICAP


- Capable of sampling 12 periods sequentially;
- Fully programmable timing periods from hours to weeks;
- Integrated temperature sensor for accurate calculation of the concentrations, and inclinometer;
- Current facing DGTs by mean of a rotating axis;
- Maximum immersion depth of 1000 m;
- Structure, plate and seals made of chemically inert components (PEEK, PETP, PTFE , Silicon and Titanium);
- Battery endurance of more than one year;
- Multiple deployment options available.

**Examples of measurable analytes using DGT® devices provided by DGT-Research.**


- DGT C-LSNM : up to 30 metals, including Cd, Co, Cu, Fe, Mn, Ni, Pb, Zn;
- DGT C-LSNP : Phosphorous present as phosphate and polyphosphates
- DGT C-LSNF : Metals present as oxyanions, including As, Mo, Sb, Se, U, V, W;
- DGT C-LSNC : Polar compounds, including antibiotics;
- DGT C-LSND : Polar compounds, including pesticides and personal care products.

MORE...



AEL/LEA has been ISO 9001 certified:2008 on its core business.
The scope is "Analysis and expertise in chemistry of the environment".