



Euronaval 2026: fluidd showcases SCAN42 for the in-service support of shipboard water circuits

A CEA spin-off, the La Ciotat-based company will exhibit in the SEAnnovation area, Hall 6, stand K104-2.

La Ciotat, 8 October 2026. A ship's availability also depends on systems the crew cannot monitor continuously: its water circuits. At Euronaval, from 3 to 6 November at Paris Nord Villepinte, fluidd will present SCAN42, a scanner that tracks the condition of these circuits in real time.

The company is working with Naval Group, the French Navy and the DGA (French Defence Procurement Agency) on this issue.

In-service support: a question of availability

In-service support determines how many days at sea a vessel can deliver. Every unplanned failure or extended maintenance period reduces that availability.

Water circuits support the operation of a wide range of onboard equipment. Fouling (corrosion sludge), suspended solids and entrained air, which cause pump wear or reduce cooling-circuit efficiency, are often only discovered during a maintenance period or after a failure. Monitoring these circuits in service lightens the workload of sailors on board, makes it possible to anticipate interventions and to schedule them during port calls or planned maintenance periods.

Seeing what happens inside the pipes

SCAN42 is installed inline on the pipe and continuously measures the properties of the fluid. Embedded artificial intelligence infers the state of the flow inside the pipe. The scanner delivers this information as indicators, via standard industrial outputs compatible with the ship's monitoring systems.

All measurement processing takes place on board, with no external connection. No data leaves the ship.

"A crew that knows the condition of its water circuits can schedule maintenance at the times least disruptive to the mission. Our work with Naval Group, the French Navy and the DGA aims to contribute directly to ship availability."

Mathieu Darnajou, Founder and CEO of fluidd.

On the stand, the fluiidd team will present SCAN42 and its integration into water circuits. The show will be an opportunity to meet shipyards, equipment manufacturers and naval in-service support stakeholders.

Practical information

- Euronaval 2026, 3–6 November, Paris Nord Villepinte
- SEAnnovation area, Hall 6, stand K104-2

ABOUT FLUIIDD

Fluiidd is a mission-driven company (société à mission) spun off from the CEA (French Alternative Energies and Atomic Energy Commission), founded in 2023 and based in La Ciotat. It develops SCAN42, a real-time flow analysis scanner based on electrical impedance tomography and protected by five patents.

SCAN42 is designed for industrial companies whose processes rely on circulating fluids: naval and defence, energy and nuclear, oil and gas, food processing, pharmaceuticals and chemicals.

Fluiidd is a member of GICAN, the SEAstart Dualboost programme, TVT System Factory and Pôle Mer Méditerranée.

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