Marine energy and mining resources

WATCHDOG

AN AUTONOMOUS, INTELLIGENT ROBOT FOR ASSISTED SUBSEA DIVING

The Watchdog project is aimed at developing an autonomous intelligent robot in conjunction with a connected subsea diving suit.

The device will be presented as a genuine diver's 'watchdog', improving both safety and productivity.

Primarily aimed at civilian divers working in a professional context, the robot will also be capable of incorporating specific skills for work or leisure through professional functions or additional equipment. Its capacity to learn via its artificial intelligence module will ultimately enable the device to perform complex tasks learned in situ or in advance with the diver in a safe environment.

The project will involve testing at a pilot aquaculture site with a view to realising continuous robot-assisted organic production.

Partners

Companies

IANIRA, Brest [Project Developer]
Aqua Lung France / la Spirotechnique, Carros
Craft ai, Paris
Seagnal, Châteauneuf

Research centers

ENSTA Bretagne, Brest
Université de Bretagne Sud, Lab-STICC - Lorient

Funders

Sans financement public

Labelisation

17/06/2016

Overall budget

2 087 K€