IADAS: Integrated Autonomous Data Acquisition System

IMPAQT

The IADAS is an electronic device designed to collect and transfer data from physical sensors in an autonomous manner to support the digitalization of the aquaculture data decision process.

THE IADAS IS COMPOSED OF:

Energy Management System

Energy from Energy Management System is driven to the different components to power up sensors, processing, and communications

Sensors Interfaces

Communication protocols and interfaces are provided, to power and communicate with the sensors and sensor systems.

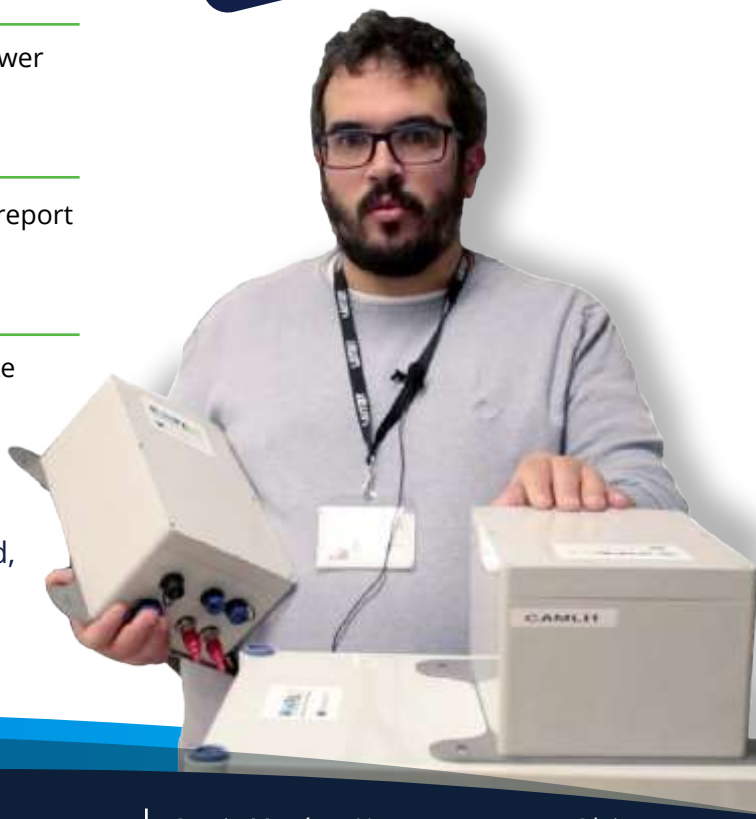
Data Acquisition System Interface

Long range wireless or wired (serial) interface is provided to report data or receive commands to/from the DAS

Core Module

Unit to manage all the different blocks and report data, create alarms and warnings, as well perform data processing techniques, such as filtering.

The IADAS allows different configurations according to sensors it needs to manage and to where it is deployed, how it is powered and how data is reported. Therefore, the IADAS is a versatile data acquisition tool able to support aquaculture farmers.



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