

NAOS

Connected Fishing Gears



An affordable, low-power satellite buoy for fishing gears monitoring.

Marking and re-locating fishing gears (lines, nets, pots and traps, anchored and drifting FADs, etc.) as well as monitoring their movements is an easy job with NAOS, the Argos-GNSS satellite buoy. NAOS integrates a GNSS data logger in a handy and compact design. NAOS brings global connectivity with flexible reporting rates of up to 96 accurate positions a day using the Argos/Kinéis satellite constellations.

Services range from basic delivery of data collected and processed in CLS' data center to data integration with client's fisheries monitoring centre and access to CLS' web platform for data visualization, alert management and customized analytics.



BENEFITS

- › Easy to use and self-contained
- › Floatable
- › Global coverage
- › Rugged, waterproof design (IP68)
- › CE certified
- › Fitted with a HMI
- › Automatic data collection
- › Smart reporting
- › Unique identifier
- › Provided with a web mapping interface

FEATURES

- › Built-in GNSS receiver for accurate positioning
- › Adjustable GNSS acquisitions & transmission rates
- › Geofencing with different reporting strategy per zone
- › Cost-effective sea-to-shore reporting strategy
- › Secure encrypted messages
- › Anti spoofing capabilities
- › Bluetooth connection with smart devices



clsfishingteam@groupcls.com



<https://fisheries.groupcls.com>



Physical and environmental characteristics*

PHYSICAL	
Dimensions	240 mm x 160 mm
Weight	1230 g
Mounting	Easy to deploy It floats on its own and turns on by removing the magnet Universal hooks thanks to its 3 fixing rings
POWER	
Battery	3.6V/26Ah Lithium - Primary lithium-thionyl chloride
Battery operating time	3 months to 2 years depending on the configuration
ENVIRONMENTAL	
Operating temperature	-20 to +55°C
Storage temperature	-25 to +70°C
Waterproof	IP68
Mechanical resistance	Up to 30m shockproof on water
Compliance	EN 60945/RED (mechanical, environmental and EMC/Radio) CE
OPERATIONALS	
Buoyancy	Vertical
LEDs	Indicate Bluetooth status, position acquisition & transmission & beacon activation
Programming/settings	Via Bluetooth
Reporting interval	Configurable from 15 minutes to 24 hours
Internal memory	32-Mbit Flash Memory
Speed accuracy	0.1 knot
Positioning accuracy	10 m at 95%
Geofencing	100 zones with 100 points each
COMMUNICATION	
Satellite	ARGOS 2, KINEIS
Bluetooth	Bluetooth Low Energy
POSITIONING SYSTEM	
GNSS	GPS, Galileo, GLONASS, BeiDou, QZSS

*All characteristics are subject to change without prior notice.

For a demo or more information, get in touch: clsfishingteam@groupcls.com



clsfishingteam@groupcls.com



<https://fisheries.groupcls.com>

