



# LINKIT SERIES

Get More From  
Your Ocean Network





Argos is a global satellite-based location and data collection system.

Originally created by the French Space Agency, NASA & NOAA, the Argos system is one of the first IoT's dedicated to the environment and has been operated and maintained by CLS since then.

Benefiting from CLS' **40 YEARS'** worth of experience, its subsidiary, Kinéis, will be launching a unique constellation of **25 NANOSATELLITES** in 2025 with unprecedented capabilities:

- **Capacity to connect millions of objects**
- **Global coverage**
- **Near real-time connectivity**
- **Low-power consumption**
- **Two-way communication**







# Linkit Series

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# Challenges facing marine experts

In a context of global warming, knowledge and protection of the ocean and ocean-atmosphere exchanges have never been so strategic.

It's becoming increasingly important to find a dedicated tracker with a variety of features in four main areas:



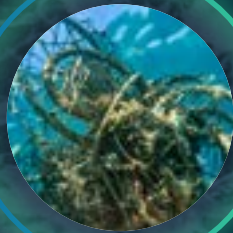
## EQUIPMENT RECOVERY

Continuous back up  
tracking



## EQUIPMENT MONITORING

Continuous position  
monitoring



## ENVIRONMENTAL TRACKING

Continuous monitoring  
of surface debris



## SMART OCEAN IOT

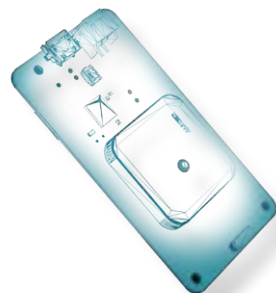
Innovative technology





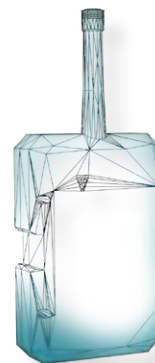
#### **LINKIT UNDER WATER**

Small and rechargeable tracker. Resistant to depths of 1,500m, it's ideal for monitoring or providing a back-up solution for underwater equipment



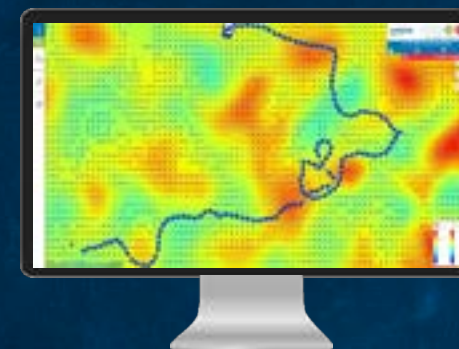
#### **LINKIT CORE**

Ready to install Argos/GPS transmitter. Can be integrated into your designs easily with its plug and play system.



#### **LINKIT SURFACE BOX**

Works with 6AA batteries and can be used for long-term monitoring or providing a back-up solution for surface equipment.



## **CLS presents: The Linkit® series**

By developing the Linkit® series, a range of universal satellite trackers that are both affordable & easy to use, CLS provides you with more security for your equipment and ensures you get more from your ocean Network

Re-useable, they have been designed with respect to the environment in mind. Linkit® can be adapted to all oceanographic platforms. Thus connected, your instruments are tracked, easy to recover and the risk of loss is reduced



#### **DATA SERVICES**

Weather, Ocean & Maritime traffic data



#### **TRACKING & DATA COLLECTION**

Dual positioning system (Argos Doppler & GPS)  
Global & robust satellite system, able to locate equipment in all weather conditions



#### **MOBILE APP**

Configure your Linkit® via Bluetooth  
Monitor & set up alerts (Geo-fencing, transmission etc.)

# What does the Linkit solution offer?



**POSITION  
MONITORING**



**ALERTS**



**COST  
EFFECTIVE**



**EASY TO USE**



**LONG  
BATTERY LIFE**



**REUSABLE  
RECHARGEABLE**



**RESISTANT**



**ROBUST**



**DEDICATED  
EXPERT  
SUPPORT  
TEAM**



**24/7  
OPERATIONAL  
CENTER**





# LINKIT SURFACE BOX

## ANTENNA

Argos: external helical (75mm)

GNSS: Internal patch

## ARGOS

TX Output power:

250mW to 1W

RX for Satellite Pass  
prediction

## CONSUMPTION

Argos TX (<1sec burst):

220mA

GNSS RX ZOE-M8:

27mA

Sleep mode:

0.049mA

## CONFIGURATION

Configurable via  
bluetooth with  
GenTracker app  
(iOS/Android)

## GNSS

Uses GPS/GALILEO/QZSS/  
GLONASS

Position acquisition can be  
programmed for every:

10, 15 or 30 minutes

1, 2, 6, 12 or 24 hours

Argos Doppler positioning  
also available

## BOX FEATURES

Measures:

12.7 x 7.9 x 3.8cm

Weighs 415g

(without  
batteries)

Withstands  
temperatures  
from -20°C to  
50°C

Water  
resistance: IPX7

For longer battery life we recommend  
using **6 AA Energizer Ultimate Lithium**  
L91 - 1.5V batteries

## WHY CHOOSE LINKIT SB?

Works with simple AA batteries  
and easily attached with cable  
ties

+

Up to 5 years of battery life

+

Limits risk of equipment loss

+

Reduces costs with less  
missions out to sea

With its global connectivity, long  
battery life and robustness, the  
Linkit SB is both easy to use and  
ideal for equipment recovery &  
long-term monitoring, needing  
less trips out to sea, saving you  
time and money.

# LINKIT UNDER WATER

## ARGOS

TX Output power:  
250mW to 1W  
RX for Satellite Pass  
prediction

## CONSUMPTION

Argos TX (<1sec burst):  
220mA  
GNSS RX ZOE-M8:  
27mA  
Sleep mode:  
0.049mA

## CONFIGURATION

Configurable via  
bluetooth with  
GenTracker app  
(iOS/Android)

## ANTENNA

Argos: whip memory  
wire (21cm)  
GNSS: Internal  
ceramic patch

## BOX FEATURES

Measures:  
12 x 4.2 x 2.2cm  
Weighs 140g  
Withstands  
temperatures  
from -20°C to  
50°C  
Water  
resistance: IPX8  
Depth  
resistance:  
-1,500m

## GNSS

Uses GPS/GALILEO/  
QZSS/  
GLONASS  
Position acquisition  
can be programmed  
for every:  
10, 15 or 30 minutes  
1, 2, 6, 12 or 24 hours  
Argos Doppler  
positioning  
also available

**Rechargeable** Lithium-Polymer  
battery (2200mAh)

## WHY CHOOSE LINKIT UW?

Rechargeable via induction and  
easily attached with cable ties



Can resist depths of -1,500m



Suited for recovering lost  
platforms & monitoring  
underwater platforms



Equipped with wet/dry sensor  
meaning it transmits only when  
at the surface

The Linkit UW's small size,  
robustness & long battery life  
make it the ideal back up solution  
for your equipment by ensuring  
you stay always connected.  
Its ability to reach depths of  
-1,500m also make it suitable for  
monitoring underwater ocean  
platforms.



# LINKIT CORE

## ARGOS

TX Output power: 250mW to 1W  
RX for Satellite Pass prediction

## CONSUMPTION

Argos TX (<1sec burst): 220mA  
GNSS RX ZOE-M8: 27mA  
Sleep mode: 0.049mA

## CONFIGURATION

Configurable via bluetooth with  
GenTracker app (iOS/Android)

## CUSTOMIZATION

- USB2 for powering/CPU flashing
- Supports up to 3 axis accelerometer (BMA400)
- Saltwater switch
- Magnetic read switch
- 1 x I2C for surface mounted third party sensors
- Picoblade connectivity for connecting external sensors

## ANTENNA

3 options  
for Antenna  
connection  
(SMA/ufl/  
Soldering)

## GNSS

Uses GPS/GALILEO/QZSS/  
GLONASS  
Position acquisition can be  
programmed for every:  
10, 15 or 30 minutes  
1, 2, 6, 12 or 24 hours  
Argos Doppler positioning  
also available

## BOARD FEATURES

Measures:  
6.5 x 3.7 x 0.8cm  
Weighs 18g  
Withstands  
temperatures  
from -20°C to  
50°C

## POWER SOURCE

Li-ion / LiPo charging  
compatible  
Solar panel charging  
compatible  
Primary cells or  
rechargeable batteries  
(none of the above are  
included)

Open-source firmware



## WHY CHOOSE LINKIT CORE?

Open-source firmware  
& hardware

+

Compatible with induction  
or solar panel charging

+

3 Antenna connector  
solutions available

+

Community support forum

With its plug & play system, the  
Linkit Core addresses the new  
generation of engineers aiming  
to create innovative products  
connected by satellite saving  
you time on integration of  
satellite technology in innovative  
equipment.



# Linkit

Get more from your  
OCEAN NETWORK



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