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 2023 with unprecedented capabilities:

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

**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.
What does the Linkit solution offer?

- **UNIVERSAL**
  - All equipment
  - Global Connectivity

- **POSITION MONITORING**
- **COST EFFECTIVE**
- **LONG BATTERY LIFE**
- **RESISTANT**
- **DEDICATED EXPERT SUPPORT TEAM**

- **ALERTS**
- **EASY TO USE**
- **REUSABLE RECHARGEABLE**
- **ROBUST**
- **24/7 OPERATIONAL CENTER**
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.
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.
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.

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 9-axis Accelerometer, Gyroscope, Magnetometer
• 9 Axis (BMX160)
• Saltwater switch
• Magnetic read switch
• 1 x I2C for surface mounted third party sensors
• Picoblade connectivity for connecting external sensors

BOARD FEATURES
Measures: 5.5 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)

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

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

Get more from your OCEAN NETWORK