



# TRITON SYSTEMS' ASSET RECOVERY BEACONS



OpenTube<sup>®</sup>  
Cylindrical Beacon

OpenORB<sup>®</sup>  
Spherical Beacon



## Low-Cost, Asset Position Reporting

**Know where your  
asset is, anytime,  
anywhere on the  
surface of the  
earth.**



### DESIGNED FOR YOUR EMBEDDED SOLUTIONS

Triton Systems' OpenTube<sup>®</sup> and OpenORB<sup>®</sup> beacons are designed to be attached to your asset for submersible missions where your asset will be underwater for an extended period of time (6-12 months).

When your asset surfaces, OpenTube<sup>®</sup> or OpenORB<sup>®</sup> transmits position data, via satellite and LoRa<sup>®</sup> radio for up to 60 days for asset and data recovery.

Deployed today for marine studies.

Multiple applications for land and air operations: asset tracking, asset recovery, SAR. EPIRB capabilities.

## KEY FEATURES

- Attaches to any asset
- Automatic detection of asset deployment and re-surfacing (pressure transducer)
- Globalstar satellite comms of position
- Onboard GPS receiver
- Onboard LoRa® radio comms of position
- Very low power consumption: 6-12 mo. deployment; 1-2 mo. surface comms (extended battery power available)
- Beacon dimensions: 3.5" dia.; 18" Length
- Beacon weight: 7.1 lb<sub>f</sub> (3.2 kg)
- Positive buoyance
- Operating Temperature: -40° - +85°C (Storage: -40° - +120°C)
- Operating Depth: up to 300 meters (985 ft) below sea level
- Serialized (individually)

## APPLICATIONS

- Maritime asset position reporting/recovery
- Land-based asset tracking
- Mobile platform tracking
- Aerial platform tracking
- Military asset tracking (e.g., autonomous systems)
- Maritime (Emergency Position-Indicating Radio Beacon (EPIRB))
- Industrial systems (e.g., asset tracking in factories, warehouses)
- Agriculture (field asset tracking)
- Search and Rescue (SAR) (asset tracking, breadcrumbs (course marking), field, forest, mountains, rivers)
- Mining (breadcrumbs (course marking, communications))
- Fire Fighting (breadcrumbs for comms and return path)

## CONTACT US

Contact Us for Additional Information and Pricing

[jdean@tritonsys.com](mailto:jdean@tritonsys.com)

(978) 425-4000

Triton Systems, Inc.  
330 Billerica Road, Suite 200  
Chelmsford, MA 01824



Beached Asset with OpenORB®

## ABOUT TRITON SYSTEMS, INC.

Triton's mission is to develop innovative products to solve our customers' most challenging problems.

For over thirty years, Triton Systems has conducted research and development for the U.S. Department of Defense. Operating in a secure cleared facility, Triton fuses innovative solutions with emerging technology.