



The MarineNet is the worlds most effective underwater intrusion detection system. Any attempt to cut, lift, crawl under, or pass through the MarineNet will result in detection.

- **99.99% Probability of Detection plus a virtually zero false alarm rate!**
- **Effective and comprehensive.** Designed for medium- to high-security risk installations, the MarineNet delivers the most reliable and effective front-line intrusion detection.
- **No Metal Components.** Immune to interference from noise, radio frequencies, electromagnetic or electrostatic fields. Transparent to radar microwaves.
- **Durable.** Our fiber-optic cable has a 30-year lifespan and will likely outlast your infrastructure. The MarineNet is unaffected by weather, harsh environments, corrosion or UV radiation; it can be installed in fresh or salt water.
- **No False Alarms.** The MarineNet is not affected by shock, vibration, or wind.
- **Versatile.** Can be installed as part of a comprehensive integrated system or stand-alone with dry-contact outputs. It can be installed freestanding or attached to any new or existing barriers.
- **Integrated GUI.** All BEI/HALO turn-key systems include our advanced System Command Center to provide immediate and reliable data relating to any intrusion attempt. The SCC is vendor-independent, and may be integrated with any new or existing equipment.

The MarineNet technology is a uniquely structured fiber-optic system comprised of a fiber-optic woven net. Each MarineNet zone is comprised of a single woven fiberoptic cable. Coded infrared (IR) light is sent through the fiber-optic cable; a cut in the cable, breaking the light path, will trigger an alarm.





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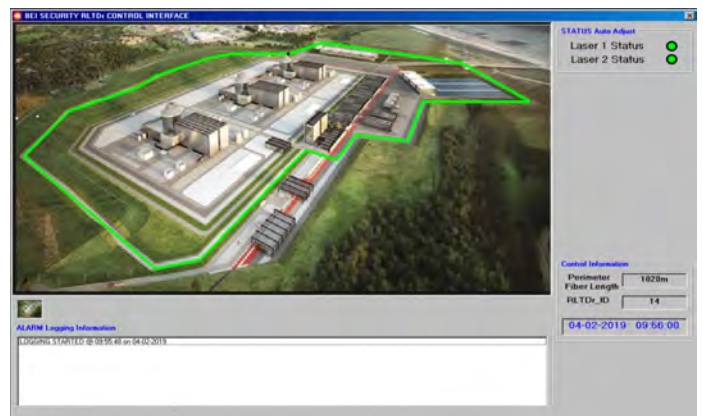
SYSTEM SPECIFICATIONS

Optical Components

Cable - Multimode fiber-optic, heavy-duty military spec tactical cable; KEVLAR reinforced polyurethane jacket withstands UV radiation.

Light Source - Class 1 Laser Diode (850, 1300nm)

Detector - PIN Diode **Optical Connectors** - ST



Detection Zones up to 120 m /500 ft.

Version A. Connected to the computerized alarm, monitoring and control system via fiber-optic or wireless transmission.

Version B. Stand-alone, provides dry contact outputs.

Zone Processing Units - Electro-optic zone processing units installed in climate-proof enclosures monitoring up to 2 zones; redundantly routed fiber-optic communication cables connect ZPUs to System Command Center controlled by micro-computer with Graphical User Interface that allows wide range of calibration and sensitivity settings:

- Adjustable alarm threshold for various fencing structures and environments.
- Advanced signal processing to significantly decrease false and nuisance alarms.

