

FEATURES & BENEFITS:

- Successfully deployed worldwide
- Easy to service
- Low operational costs
- Expandable to allow new sensors
- Supports variety of telemetry options
- Monitor and control from your office
- Withstands extreme marine weather



The ideal data collection buoy for extreme marine weather conditions.

**6 METRE
NOMAD BUOY**

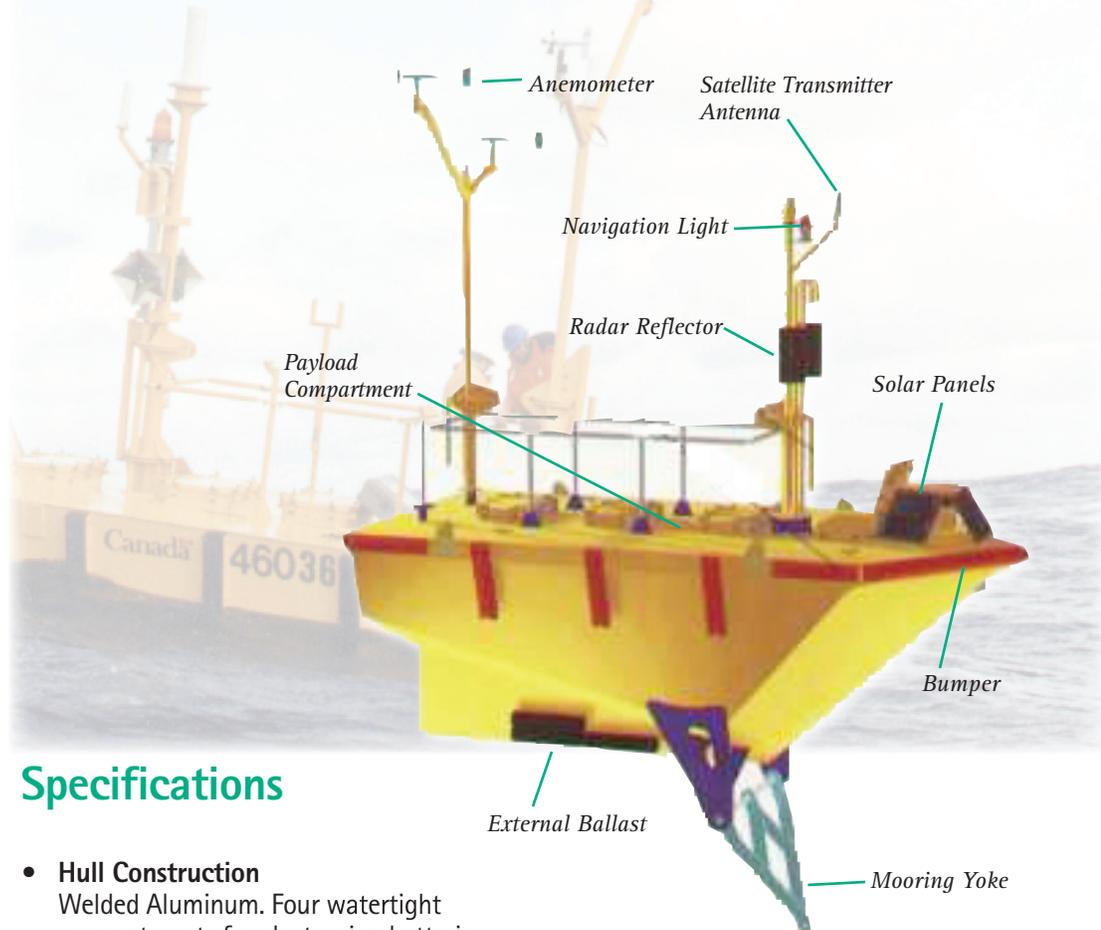
Ideal for the harshest of marine environments

6 METRE NOMAD BUOY

The NOMAD (Navy Oceanographic Meteorological Automatic Device) hull was originally designed in the 1940s for the U.S. Navy's offshore data collection program. The U.S. National Data Buoy Centre (NDBC) later purchased surplus hulls, outfitted them with new payloads and placed them in the U.S. network of permanent buoy stations with their 10 and 12 metre discus buoys.

A more recent NOMAD design was adopted by Canada's Atmospheric Environment Service for deep ocean stations off the East and West coasts of Canada. A full complement of meteorological and oceanographic sensors can be accommodated. Primary batteries, solar panels and rechargeable batteries provide power to operate transmitters to orbiting or geostationary satellites. Other transmitters may also be used.

There is sufficient space on and in the hull to carry additional payload systems, solar panels and primary batteries to allow for several years' operation. The schedule between servicings is generally determined by the need to replace and/or calibrate sensors.



Specifications

- **Hull Construction**
Welded Aluminum. Four watertight compartments for electronics, batteries and sensors. Aluminum superstructure and steel substructure are bolted onto the hull.
- **Finish**
Marine grade epoxy.
- **Ballast**
Up to 1360 kg of lead keel ballast. Up to 2720 kg of lead internal ballast.
- **Weight**
5200 kg
(not including ballast).
- **Dimensions**
6m (l) x 3.1m (w) x 9m (h).
- **Mooring**
Reverse catenary, chain, semi-taught, or false bottom.
- **Navigation Light**
IALA standard lamp and automatic multiple bulb changer.
- **Electronics**
AXYS WATCHMAN™ data acquisition and processing system
- **Typical Sensors**
Wind speed, wind direction, air temperature, barometric pressure, wave height, direction and period, compass.
- **Other Sensors**
Solar radiation, ocean currents, turbidity, conductivity, radiometer, fluorometer, nutrients, etc.
- **Telemetry Options**
 - GOES
 - INMARSAT C or D+
 - ARGOS
 - VHF/UHF
 - CDMA, GSM
 - IRIDIUM
- **Power**
 - Primary batteries
 - Solar supplemented primary batteries.
 - Fully solar powered
- **Position Conformation**
GPS package indicates whether buoy is on-station.

 **AXYS TECHNOLOGIES INC.**

P.O. Box 2219, 2045 Mills Road West, Sidney, British Columbia Canada V8L 3S8

Phone: (250) 655-5850

Fax: (250) 655-5856

E-mail: info@axystechnologies.com

Website: www.axystechnologies.com