Illustration of a Long-Range SeaSonde Radar Unit Installed at Coast with Typical Site Infrastructure (sold or provided separately)

Site Requirements:
- Power (enough for all shed contents)
- Communication link (high speed Internet connection)
- Enviro-controlled Enclosure for Electronics
- Mounts or bases for antennas
- Protection for antenna cables

SeaSonde Antenna (height ~ 7m)

Items listed in white font are basic SeaSonde Remote Unit contents

Items listed in gray font are site requirements or recommended accessories

RX Cabling:
4 x RG58,
100m
bury in PVC conduit

solid base

GPS antenna

Typically a 2-layer elclosure scheme is used.
The shed requires proper ventilation for local climate.
Inner layer is sealed electronics enclosure with closed-loop air conditioner system.

shed/ building

Enclosure Contents:

SeaSonde Electronics -
- RX chassis
- TX chassis
- Mini computer
- keyboard & monitor

Accessories -
- External hard drive
- UPS
- Communication electronics

Long-Range Transmit Antenna (height ~ 10m)

TX Cabling:
1 x RG8,
75m (longer cabling available)
bury in PVC conduit

solid base

Note:The separate TX antenna is only required by Long-Range (5MHz) system. All higher frequencies have option for TX & RX antennas to be combined onto a single mast.

CODAR OCEAN SENSORS

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