TideStation

TideStation has TideMaster at its core - Valeport's industry leading Tide Gauge system. Offering Pressure, Radar and hybrid tidal observation techniques coupled with interfaces to other meteorological and 3rd party systems. All data can be recorded locally and broadcast to a central command and control point as required. Within the TideStation enclosure you will find all required ancillary infrastructure to maintain power to the Tide and Met equipment interfaced and your chosen communications systems.

There are 2 standard TideStation variants:

Option 1 - Single Port ipBuffer, TideStation Junction Box, optional Satel UHF radio Configuration Example: TideMaster, VRS-20 and Pressure Sensor.

Option 2 - 4 port ipBuffer, TideStation Junction Box, optional Satel UHF radio Configuration Example: TideMaster, VRS-20, Pressure Sensor, miniCT, METPak II, plus other instruments.

Valeport MIDAS CTD+
Multiparameter CTD - measures Conductivity, Temperature and Pressure. Optional Turbidity, DO, pH, Redox, Chlorophyll or PAR Sensors available. Mounted in its own frame to the seabed or mounted on a structure.

Valeport VRS20 Radar Level Sensor - measures tidal elevation. Installed either under a jetty over clear water - or offset on a horizontal scaffold pole.

Valeport MIDAS DWR
Directional Wave Recorder - measures Wave height and direction by PUV, fitted with optional Conductivity and Turbidity sensors. Mounted in its own frame to the seabed or mounted on a structure to survive wave action during hurricane events.

Valeport Enclosure

TideMaster at the core - Valeport’s industry leading Tide Gauge system. Offering Pressure, Radar and hybrid tidal observation techniques coupled with interfaces to other meteorological and 3rd party systems. All data can be recorded locally and broadcast to a central command and control point as required. Within the TideStation enclosure you will find all required ancillary infrastructure to maintain power to the Tide and Met equipment interfaced and your chosen communications systems.

Port-Log.net

Management and publishing solutions for environmental monitoring data.

GSM/GPRS Network

WWW

Port-Log Server

Remote data from all sites by HTTP Post from ipBuffers. Port-Log 2% will transmit GK and archive the data for on-line display and downloading. It will also allow users to send email or SMS to senders, as necessary. Serves data to web clients by HTML and enables interaction to extract real-time values and historical records.

Remote Users

Can receive emails / alerts from Port-Log Server based on triggers defined. Can also interrogate real-time and historical values.

VTS Displays

Display real-time information in tabular and graphical form - accessing data from Port-Log servers via standard web Browser.

Networked Users

Local users in the clients network can monitor all parameters, real-time and historical - and can receive alerts - from the PortLog server via a standard browser / Email / SMS client.