

NAVSTAR SIO800

Purpose built for
exceptional monitoring
performance



NavStar SIO800 Sensor

The SIO800 is a compact, ultra-low power, digital interface for use with a wide range of geotechnical and environmental sensors.

Using the SIO800, measurements can be acquired at a predefined interval and transmitted wirelessly to data logger hub in real-time.

The SIO800 is the ideal choice for either a stand-alone network of digital instruments or as part of an integrated monitoring system using NavStar's sophisticated GeoExplorer software.

- Wireless communications: Options include local radio, direct cellular in select regions
- Extremely low power consumption
- Solar powered
- Simple setup and deployment
- Zero configuration
- Affordable, accurate and reliable
- Small rugged enclosure: 20cm x 12cm x 10cm



Long battery life combined with plug and play GeoExplorer support makes the SIO800 an ideal tool for digital sensor integration.

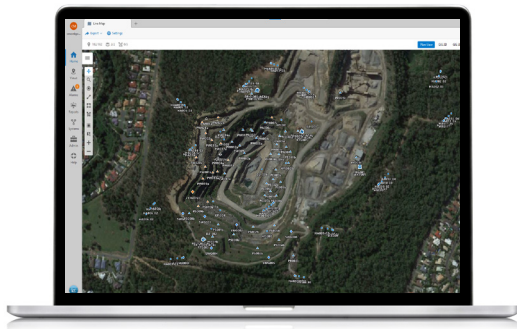
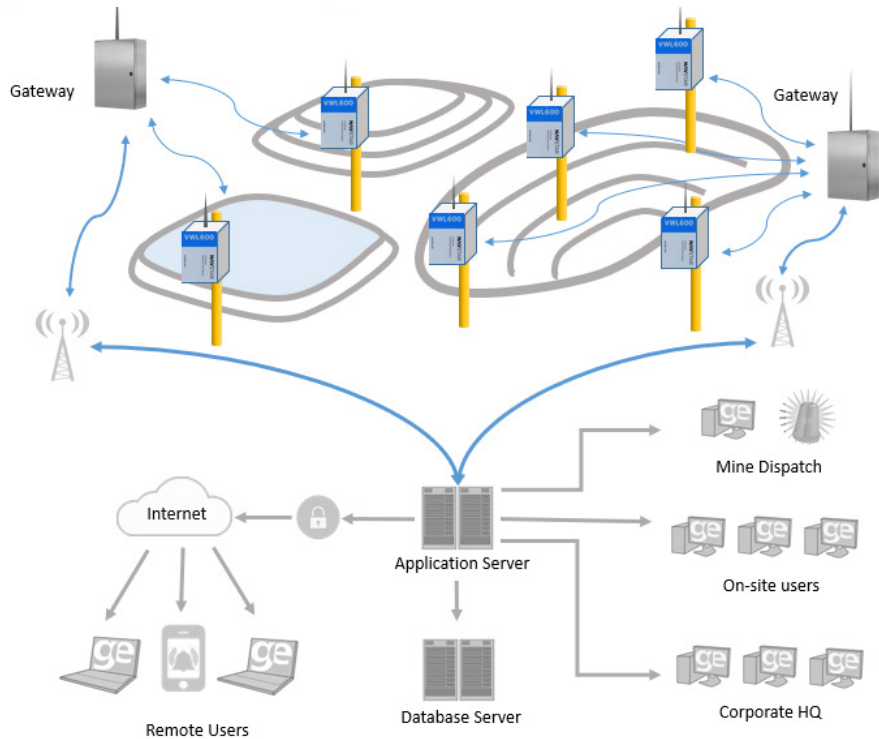
- Gene Sivorot, NavStar

SIO800 for high-precision hydrogeological monitoring

Simple to Deploy

SIO800 is a solar powered digital interface for remote monitoring. Measurements from an array of SIO800s are transmitted wirelessly to NavStar's GeoExplorer system via the nearest gateway/data logger installation.

The GeoExplorer system can be configured to apply custom calculations based on sensor data collected by the SIO800.



GeoExplorer

Plug and Play GeoExplorer Integration

NavStar sensors can be activated in GeoExplorer with little to no configuration. Sensors will be 'online' with real-time mapping and graphing enabled within seconds of startup. GeoExplorer provides support for many different types of sensors and provides an industry leading integrated monitoring solution.

Gateway

- Nominal Voltage 12vDC
- Input Voltage Range 9-30vDC
- Power Consumption 2.5W
- Operating temperature range -40 to +65 deg C
- Real-time data upload of multiple devices to GeoExplorer

SIO800

- RS485, RS422, RS232 compatible
- ShapeArray compatible
- Supports IPIs, echo sounders and more