SENSBLUE
MONARCH
sensing solutions

ATRONIA

TECH THAT MAKES SENSE

SENSBLUE
MONARCH
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The **SENSBLUE MONARCH** is an advanced gateway solution designed to revolutionise remote sensing and data collection in the harshest of environments.
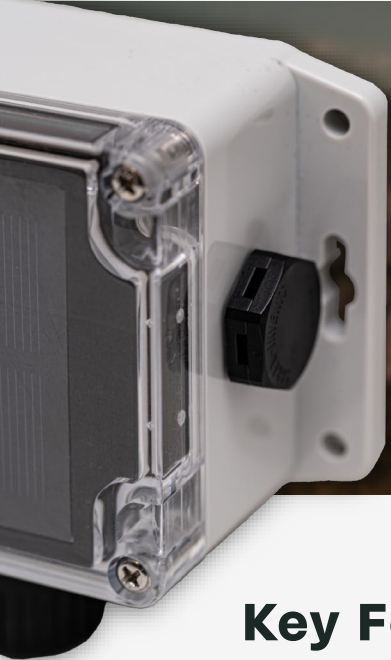
With its rugged IP68 enclosure, integrated solar panel, and advanced connectivity options, the **MONARCH** ensures seamless operation across marine, agriculture, compost, and other demanding sectors.

Tough design for rough conditions

MONARCH was engineered to deliver consistent, reliable performance in extreme settings.

From aquaculture farms to compost facilities, it adapts effortlessly to the needs of diverse industries.

In its element.

SENSBLUE MONARCH was designed to be highly adaptable to every environment and allow multiple ways of connection in the most remote locations.

Key Features

- **All-Weather durability:** IP68-rated enclosure ensures protection against dust, water, and harsh environments, making it ideal for 24/7, 365-day operation.

- **Integrated solar panel and battery:** Equipped with a solar-powered battery system for uninterrupted power, reducing the need for maintenance.

- **Advanced connectivity:** Supports LTE, WiFi, BLE, and LoRaPL to provide robust communication with sensors and cloud platforms.

- **Sensor versatility:** Compatible with a wide range of wired RS485 and wireless sensors to measure variables such as temperature, humidity, water level, pressure, and more.

- **Remote monitoring and alerts:** Seamlessly connects to SENSBLUE.CLOUD or third-party servers for real-time data logging, configuration, and alarm management.

- **Fully configurable interface:** Accessible via phone or PC browser, eliminating the need for additional software or applications.

Real-world applications

SENSBLUE MONARCH has proven its value across multiple industries:

- **Aquaculture:** Monitor water temperature and oxygen levels to optimize fish farm productivity.

- **Agriculture:** Track soil moisture and environmental conditions, improving crop yield and resource efficiency.

- **Compost Management:** Measures temperature and humidity to ensure proper composting processes and prevent material loss.

- **Marine Environments:** Reliable operation in saltwater conditions for applications like buoy monitoring and environmental research.

Smart Connectivity for

Seamless Operations

MONARCH excels at connecting local sensor networks to the cloud or third-party systems.
Its capabilities include:

- **Remote configurability:** Adjust settings, intervals, and alert thresholds without visiting the site.

- **Gateway mode:** Acts as a hub for nearby sensors, consolidating data and reducing communication costs.

- **Real-Time alerts:** Sends immediate notifications for critical events, ensuring prompt action.

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