

## Enbase® Asset Monitor

### ■ Introduction

The Enbase® Asset Monitor is a rugged, industrial IoT device for remotely monitoring the run status and location of your oilfield assets.

The Enbase® Asset Monitor determines an asset's run status using a built-in accelerometer to detect vibration. It also tracks GPS coordinates and pairs that with vibration status to determine that the asset is in motion and to send proactive location updates. All of this is available in a rugged, weatherproof, hazardous location-certified device that runs on solar-powered batteries with a 10-year battery life and is installed in minutes.



The Enbase® Asset Monitor sends messages via satellite network, which has coverage throughout the oilfield. The Enbase Asset Monitor reports back to the Enbase® Dashboard, where users will be able to take advantage of the robust callout and acknowledgement functionality, alongside comprehensive availability reporting.

The Enbase® Asset Monitor is part of a family of Enbase products that allow companies to manage groups of remote assets. It's the perfect solution for monitoring lower horsepower gas compressors that may not have an economic justification for more capable (and more expensive) solutions like the Enbase® Hub. It is also ideal for rotating equipment without sufficient power for a control panel and for units with older annunciators that do not have Modbus data to monitor. Finally, it's an excellent solution for tracking assets that move around frequently, such as chemical tanks and totes.

### ■ Technical Specifications

- Small footprint device at 3.25in (H) X 7in (W) X 1.125in (D)
- Reports changes in up/down status of compressor using vibration (accelerometer)
- Reports changes in GPS coordinates
- Satellite device that works everywhere<sup>1</sup>
- Solar-powered with up to 10 years of battery life
- Intrinsically Safe (certified Class I, Division 1, Groups A-D, T4 by ETL)
- Certified IP68 waterproof
- Certified MIL-STD-810G for immersion, impact resistance, salt fog, acidic atmosphere, humidity, and vibration
- Operating temperature of -40°C to +85°C
- Quick and easy installation requires no wiring, no external power, and no external antenna

### ■ When to Use

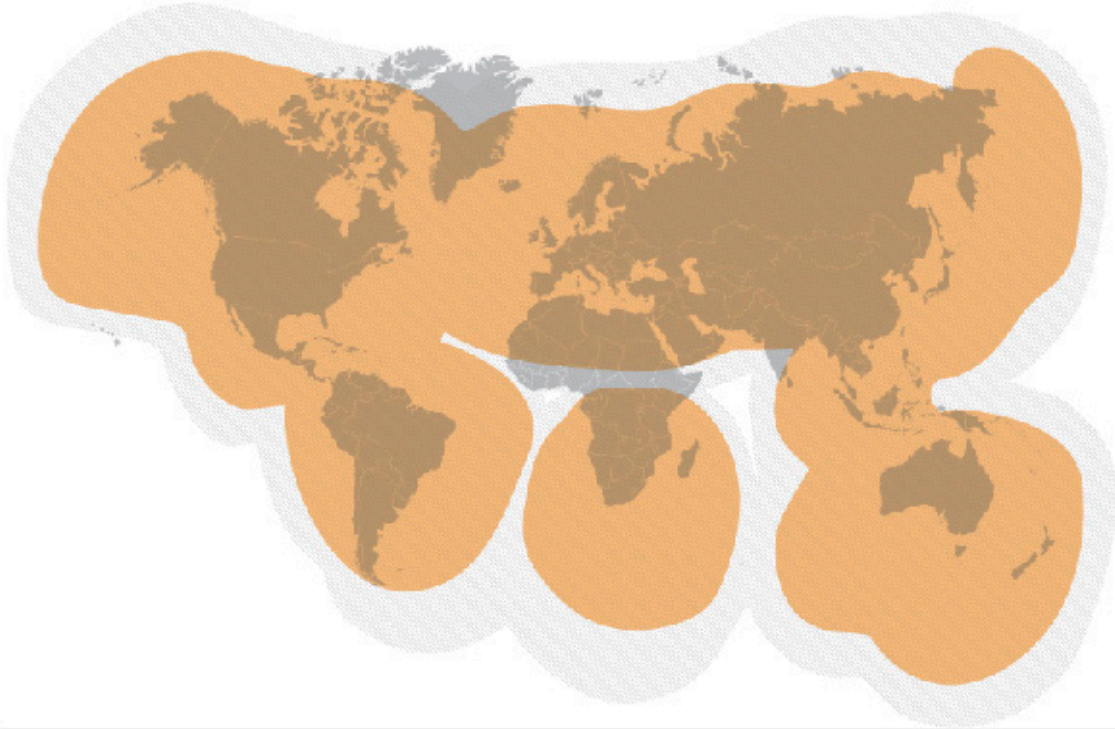
The Enbase® Asset Monitor is the perfect solution for monitoring:

- Lower horsepower gas compressors that may not have an economic justification for more capable solutions like the Enbase® Hub
- Equipment that run on ignition power and does not have alternators and batteries to power the panel (and Enbase® Hub)
- Equipment that have "tattletale" panels with older annunciators that do not have Modbus data to monitor
- Assets that move around frequently, such as chemical tanks and totes
- Other oilfield rotating equipment including pumps and gensets

<sup>1</sup> - See coverage map for specific coverage limitations

## ■ Limitations

The Enbase® Asset Monitor requires view of the sky both for satellite message transmission and also for the solar cell to recharge in sun. The satellite coverage is global and covers most geographies:



For gas compressors, it mounts on outside of cooler using magnetic feet so works well even if compressor is enclosed in shed or building.

## ■ About Detechtion

Detechtion Technologies is the market leading Industrial IoT and mobile application provider enabling the digital oilfield. Through its Analysis®, Enbase® and Fieldlink® product lines, Detechtion® offers solutions for chemical injection, compression, and other production operations. These products and services span telematics, monitoring, control, predictive analytics, visualization and integration with other systems so that the vision of the digital oilfield will finally be achieved. Over 100 customers and thousands of users depend on Detechtion Technologies to monitor and manage over 10,000 assets worldwide.

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