

# Sentinel FM

## for Construction

The Construction industry is challenged with managing a diverse mix of assets – both on and off road. BSM Wireless' Sentinel FM tracking and telematics technology provides intelligent assessment of resources, utilization, maintenance, security, and more. Available in real-time, 24 hours a day from virtually any internet connected device, Sentinel FM provides the visibility, accountability, and reliability demanded by the construction industry.

*Quickly view all your assets on our dynamic interactive map. Monitor and report vehicle & equipment usage easily through a variety of inputs and sensor connectivity options.*

### Asset Visibility

**Improve Your Asset Visibility:** The Sentinel FM solution manages your entire fleet – on and off-road trucks, construction equipment, generators, all from one unified interface.

**Eliminate Unauthorized Usage:** Control moonlighting and after hours operations with real-time alerts.

**Preventative Maintenance:** Keep your assets on the road longer with effective maintenance planning. Manage vehicle maintenance and automatically send notifications on pending due service plans, diagnostic trouble codes, malfunction indicator lights, and more.

**Access powerful reporting:** Choose from over 50 predefined reports allowing you to track idling, start/top times, driver behavior, and more. Schedule key reports for automatic delivery to your inbox.

### Compliance & Safety

**Automated Hours-of-Service (HOS):** Increase operational efficiencies and revenues with our fully compliant (US and Canada) HOS solution for your heavy-haul trucking.

**Driver ID and Performance:** Monitor real-time behavior in the field: track speed, acceleration, and braking identifying risk or poor performance.

**Personnel Safety:** Protect field resources with in-cab and wireless Panic buttons. Optional 24/7/365 3rd-party monitoring ensures any call-for-help will be received.

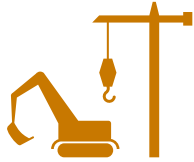
*Leverage real-time tools to gain visibility into fleet behavior.*

### Fuel Management

**Monitor Consumption:** Identify and compare vehicle efficiencies to help maximize your fuel investment.

**Idling:** Gather idling information: total idling hours fleet wide, and average idling per asset.

*Reduce your fuel expense through accurate monitoring of good and bad idling, and fuel usage.*



*Sentinel FM provides regular transmission of GPS location and sensor data via wireless network and optional satellite communication.*



*Data from the vehicle is collected by the Sentinel software running on our servers.*



*Data is accessible by your organization online. Critical incidents are automatically reported.*

## Features Designed to Increase Business Productivity

- » Never out of coverage – dual mode communication automatically switches between cellular and satellite communications.
- » Ability to host custom map layers for industry specific data.
- » Native OBDII, J1708, and J1939 engine interface collects real-time data, including diagnostic trouble codes and MIL status.
- » Integration to back office applications including routing, dispatch, maintenance or your own industry specific custom application.
- » Simplified communications with Mobile Data Terminals for your service and fleet vehicles.
- » Geozones and Landmarks to provide immediate notification when an asset enters or exits a specific area.
- » Built-in PTO usage monitoring and tracking to allow for reporting and to facilitate fuel tax credit claims.

## Tangible Benefits for Your Business

- » Precisely locate virtually any 12 or 24V assets in real-time even in remote regions.
- » Secure other types of mobile assets including trailers, generators, light stands, and other equipment.
- » Manage utilization through intelligent monitoring and reporting.
- » Monitor driver behavior and enforce company policies.
- » Eliminate unauthorized asset usage – control moonlighting and after hours operation.
- » Reduce theft and misplacement of valuable equipment.
- » Monitor engine-hours for timely preventative maintenance.
- » Reliable reporting and analytics gives management a view into the status of your team and fleet.
- » Perform fuel consumption analysis with fuel usage reports.
- » Make compliance to government and industry rules and regulations easier and less costly.
- » 24/7/365 accessibility from virtually any modern web browser. No software to install or maintain.

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