

HIT-NOT[®] Remote Event Monitoring (REM)

HOW TO SET-UP AND USE THE DATA



REM System Overview

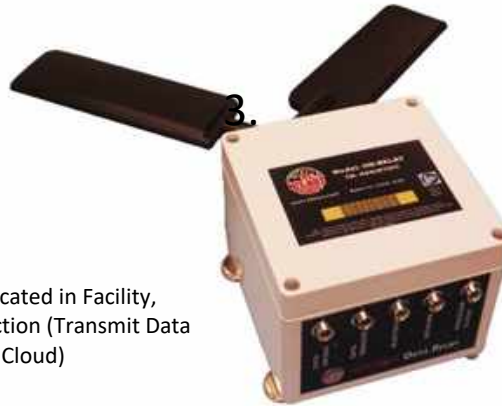
Hardware required for Remote Event Monitoring (REM)

1. Mobile Equipment Collects Data



REM Module

2. Centrally Located in Facility, Cellular Connection (Transmit Data to Cloud)



REM Relay

ACCESS to Events via online dashboard



The Mobile Equipment collects data as it travels, and uploads to the REM Relay as it passes. This concept reduces the number of required cellular connections, significantly reducing cost.

Equipment Installation (REM Module)



Red/Green
LED



1. Plug REMM into one socket of the y cable.
2. Plug Y cable into the Generator.
3. Connect the Existing Warning Module into the other socket on the Y cable.
4. Wire warning module per standard installation instructions.
5. When powered on the Red/Green LED on the data module will flash. It will flash Green every 5 seconds to indicate it is active. If data is present the LED will flash red rapidly. When transferring data it will flash between red and green rapidly.

Equipment Installation (RELAY)

1. Box Contains:
 1. (1) REM Relay
 2. (1) Power cord
 3. (2) Cellular (screw on) antenna's
2. Next you will connect the two cellular (screw on) antennas to the back of the Relay (as shown below). Bend the Cellular antenna to 90° if needed to fit in the location.
 1. Hand tighten these antenna's (DO NOT OVER TIGHTEN)
 2. Locate REM Relay at desired location that has : (1) All Mobile Equipment Passing, (2) Cellular Service is Reliable, and (3) 110Vac Power.
3. Connect the power cord to the back of the REM Relay, as shown below.
4. Plug other end AC/DC powersupply into 110Vac Outlet.
5. Links should begin blinking in 2-3 minutes.
6. Once the REM Relay is powered up, you will need to look at the Lights on the front side of the REM Relay.

You must have a Solid Orange Light beside the Network as shown below

*If you do not get this Orange Light on steady, you will need to relocate the REM Relay to another location where you can get full Cellular coverage. The Orange Network light must be on steady to receive REM data.

Antenna Port on the back of the REM Relay

Antenna



Power port, Insert here

Power cable

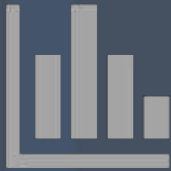


Must have solid Orange light on the Network before the REM Relay will work.

Equipment Installation (RELAY)

Light Indicators on REM Relay				
Label on REM Relay	LED Light Color	Expected Status	Meaning	If Not working as Expected
Data Upload	Red	Off/Flashing	Normally Off, but Flashes each time REM Data is sent to the cloud	Call HIT-NOT [®] Dealer
Data Transfer	Green	Solid	Indicates Bluetooth module is on and ready to transfer REM Data	Call HIT-NOT [®] Dealer
Bluetooth	Yellow	Flashes/Solid	Flashing when looking for Mobile Equipment, Solid when collecting REM Data	Call HIT-NOT [®] Dealer
Network	Orange	Solid	Connected to Cellular Network	Move REM Relay to another location
Process Status	Blue	Solid	Processor Functioning	Check Power

Dashboards Overview



Standard Reports

Overview of proximity events, device usage, and maintenance information.



Mechanized Area Controller

If Your Facility is Equipped, Monitors Violations of Controlled Areas



Daily Reports

Drill-down to specific events, identifying time,

Dashboard Access

- FEP will provide you with a link and unique password to login to your data dashboard.
- Copy the link and paste it in the address bar of your browser.
- Enter the provided password when prompted on the dashboard login page (as seen below)



The image shows a screenshot of a login page for Klipfolio. At the top center, the Klipfolio logo is displayed. Below the logo, the text "Password Required" is centered. Underneath this text is a white rectangular box containing a password input field with the placeholder text "Password" and a blue button labeled "Go" below it.

- Save the link and password in a safe place, since this is how you will access the dashboard in the future.

Select the Date Range

- Selecting a date range in the date range klip will set the dates for the klips in your dashboard.
 - You must click “Submit” before the klip will update the rest of the dashboard.
 - An exception would be a klip which has its own date selection drop-down.

Select Start Date :

01-Nov-19

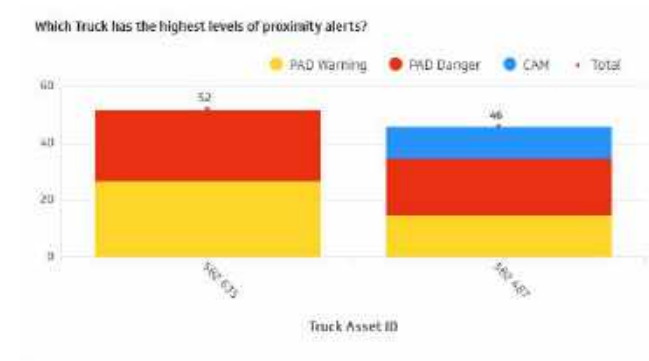
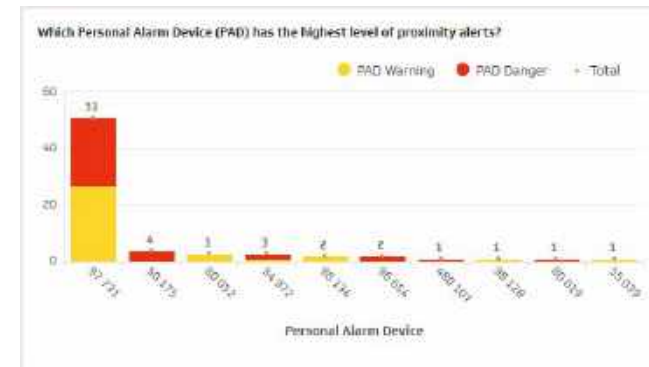
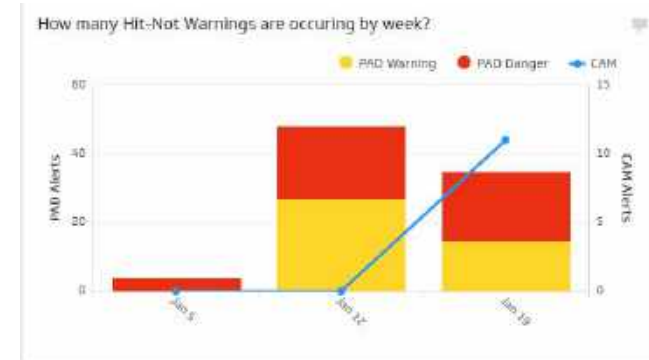
Select End Date :

17-Nov-19

Submit

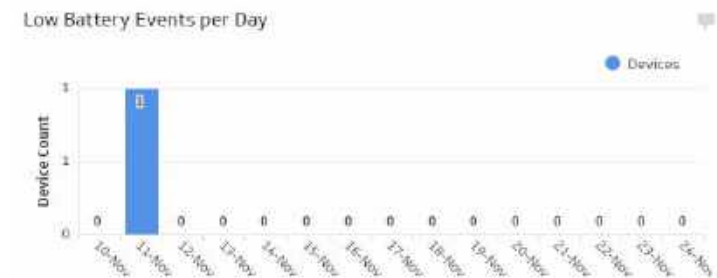
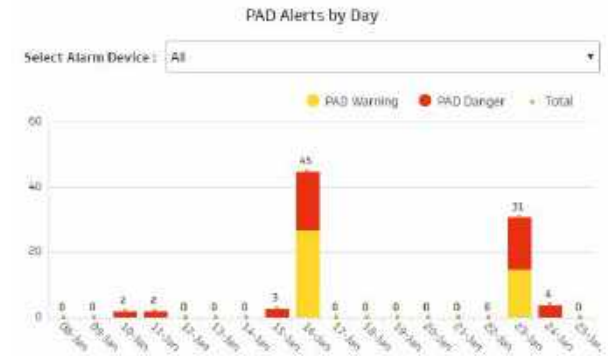
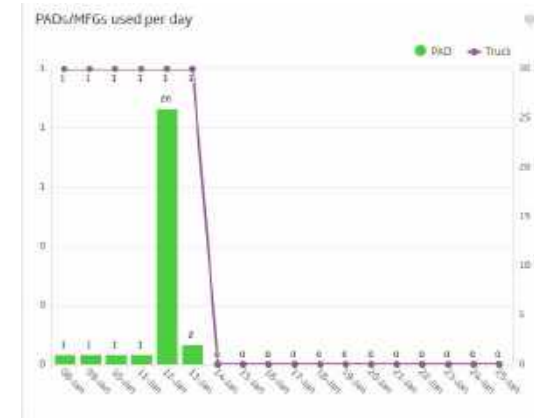
Standard Reports

- How Many Hit-Not Warnings are occurring by week?
 - Number of PAD Warnings, Dangers and CAM alerts that were recorded for each week.
- Which Personal Alarm Device (PAD) has the highest level of proximity alerts?
 - TOP 10 for Most Proximity Events by PAD.
- Which truck has the highest levels of proximity alerts?
 - TOP 10 for Most Proximity Events by Truck.



Standard Reports (cont.)

- PADS/MFGs used per day
 - Overview of PADS and Trucks used during each Calendar Day.
- PAD alerts by day
 - Number of PAD warning and danger alarms that were recorded, organized by the days when they occurred. Number of alerts with a specific PAD can be seen by selecting one from the drop-down menu.
- Low-battery events per Day
 - Number of PADS that experienced low battery. May be an indication of failure to charge the unit or it is time to change the battery.



Standard Reports (cont.)

- Run Time Summary
 - Average run time of all vehicles that were operated that day, and the number of vehicles that were operated.
- Low battery events
 - A detailed look at each PAD that reported a low battery, and how many times it was reported for a selected day.



Low Battery Events

Date: 11-Nov-2019

Date	Device	Event Count
11-Nov-2019	70	5

- ▶ Which MFGs/PADs were used on the selected date?
 - ▶ Shows which devices were used for the date selected in the dropdown menu.

Which MFGs/PADs were used on the selected date?

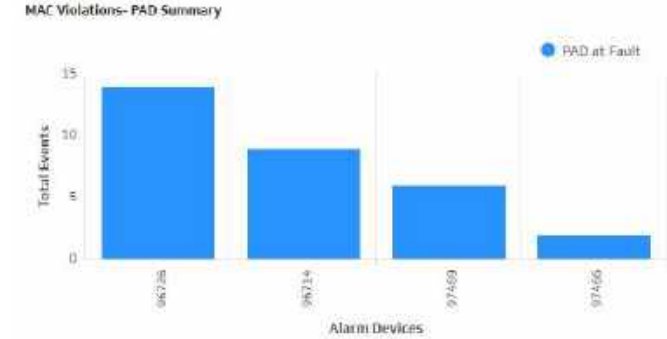
Select Date: 08-Nov-2019

MFGs	Count	PADs	Count
500810, 581649	2	1818, 3312, 96116, 96118, 96121, 96122, 96714, 96726	8

MAC (if equipped)

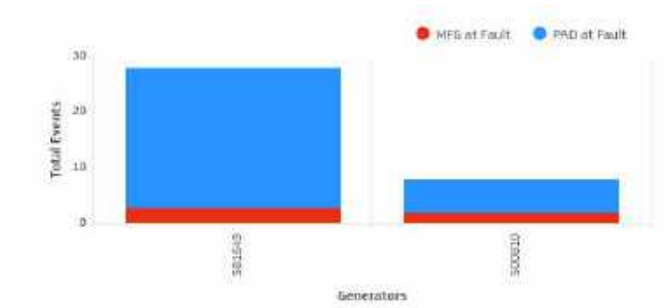
- MAC Violations – PAD Summary

- Summary of all MAC violations caused by a PAD entering the MAC field after an MFG was already present



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- MAC Violations – PAD

- A detailed look at each mac violations caused by a PAD. A specific PAD can be selected in the drop down menu to see all violations caused by that PAD.

MAC Violations -PAD

Select PAD: 96726

Date	Violation	Alarm Device
11-Nov-2019 14:46:29	mac pad fault	96726
11-Nov-2019 14:46:00	mac pad fault	96726
11-Nov-2019 14:27:21	mac pad fault	96726
11-Nov-2019 14:26:45	mac pad fault	96726
11-Nov-2019 14:25:53	mac pad fault	96726
11-Nov-2019 14:15:12	mac pad fault	96726
11-Nov-2019 14:14:29	mac pad fault	96726
08-Nov-2019 14:59:50	mac pad fault	96726

MAC (if equipped) (cont.)

- MAC Violations – MFG
 - A detailed look at each mac violation caused by a MFG. A specific MFG can be selected in the drop-box menu to see all violations caused by that MFG.

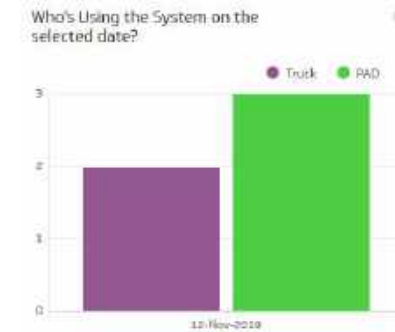
MAC Violations -MFG 

Select Generator:

Date	Violation	Generator

Daily Reports

- Which MFGs/PADs were used on the selected date?
 - Shows which devices were used for the date selected.
- Who's using the system on the selected date?
 - Chart showing the number of trucks and PADs that reported during the day selected.
- Truck Alerts by hour for selected day.
 - Number of PAD Warnings, Dangers, and CAM alerts that were reported involving the selected trucks per hour. Can select a specific truck, or see events involving all trucks.



Daily Reports (cont.)

- PAD Alerts by hour for selected day.
 - Number of PAD Warnings and Dangers that were reported per hour. Can select a specific PAD or see events involving all of the PADs.



- Dashboard Drill-down tables.
 - One table each for the generators (trucks) and PADs, showing each event that involved each selected generator or PAD.

Select Generator: 582391

Generator	Zone	Alarm Device	Events Time	Relay	Uploaded
582391	warning	5100	15:19:19	1002	27-Jan-2020 15:19:19
582391	danger	5100	15:19:16	1002	27-Jan-2020 15:19:16
582391	warning	5100	15:19:13	1002	27-Jan-2020 15:19:13
582391	danger	97469	15:07:08	1002	12-Nov-2019 15:07:08
582391	warning	97469	15:06:32	1002	12-Nov-2019 15:06:32
582391	warning	97469	15:06:19	1002	12-Nov-2019 15:06:19
582391	warning	97469	15:06:12	1002	12-Nov-2019 15:06:12
582391	warning	97469	15:04:36	1002	12-Nov-2019 15:04:36

Select PAD: 97469

Device Type	Alarm Device	Zone	Event Time	Relay	Uploaded
PAD	97469	danger	15:07:43	1002	12-Nov-2019 15:07:43
PAD	97469	danger	15:07:06	1002	12-Nov-2019 15:07:06
PAD	97469	danger	15:07:04	1002	12-Nov-2019 15:07:04
PAD	97469	warning	15:06:32	1002	12-Nov-2019 15:06:32
PAD	97469	warning	15:06:10	1002	12-Nov-2019 15:06:10
PAD	97469	warning	15:06:12	1002	12-Nov-2019 15:06:12
PAD	97469	warning	15:04:30	1002	12-Nov-2019 15:04:30
PAD	97469	warning	15:04:34	1002	12-Nov-2019 15:04:34