

# New model I. H. Instruments and Telemetry Options

CIHC 12/8/16

San Diego



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# Instruments

- Casella dBadge 2
- TSI AM520
- Honeywell MultiRAE (Benzene)
- IAQ Project Profile with Telemetry Remote Monitoring
- Demonstration of Netronix/EnviroNet remote monitoring



# Casella dBadge 2

- Airwave App - Bluetooth
- Observe monitoring event remotely without disturbing worker
- Motion Sensing
- Color Display
- USB Download vs IR
- IS
- Improved - clip design, wind screen



# TSI AM 520

- Light-scattering laser photometer
  - 0.8 micron DPM – PM10 capability
  - Real time monitoring w A/V alarms
  - Lightweight/wearable/small
- 
- Designed for indoors can be used outside
  - Removable/rechargeable battery



# MultiRAE - Benzene

- Multi Gas monitor plus PID
- Benzene Specific Monitor (Sep tubes)
- Interchangeable electrochemical sensors
- Confined Space Entry

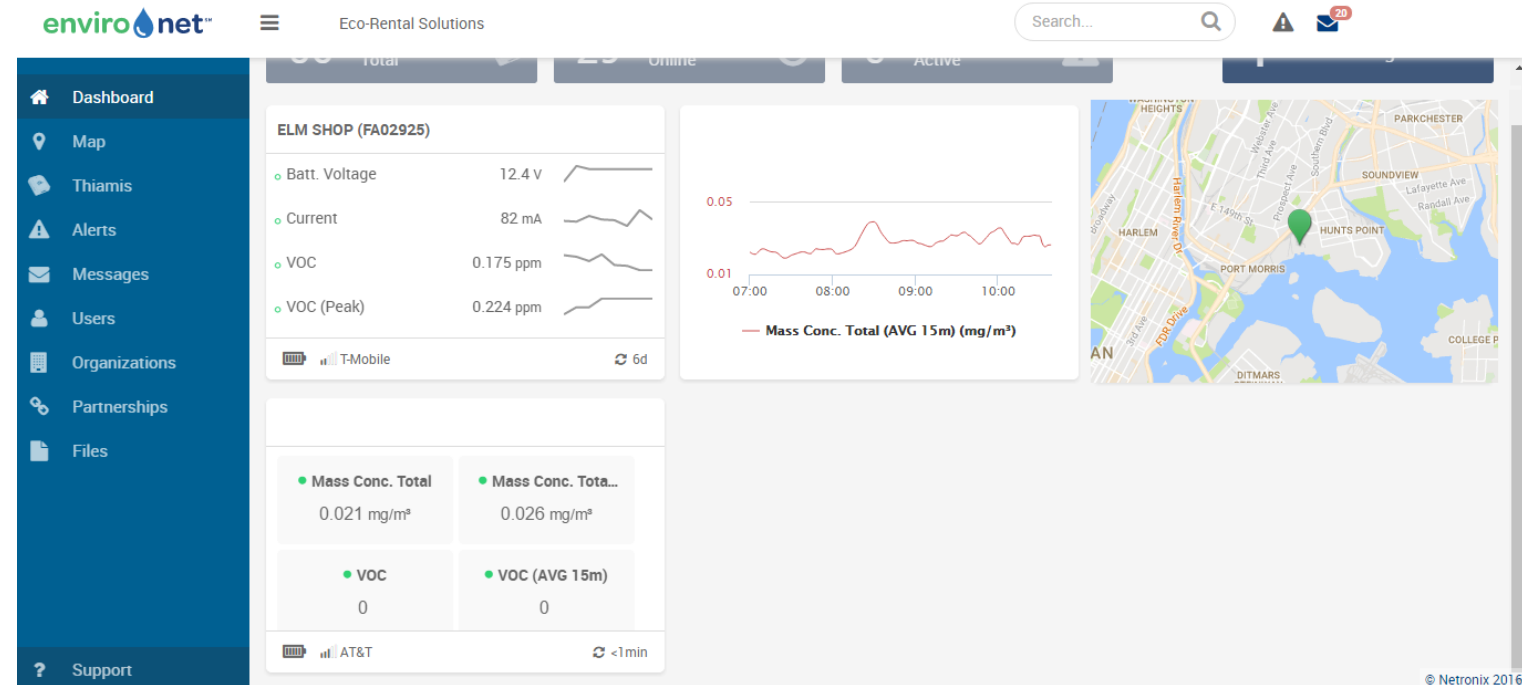


# Instrument with Separation Tubes for Benzene specific monitoring



# Telemetry Definition

- The use of a data logger & modem to transmit one or more instrument's output for remote, real time access, anywhere you have an internet connection.



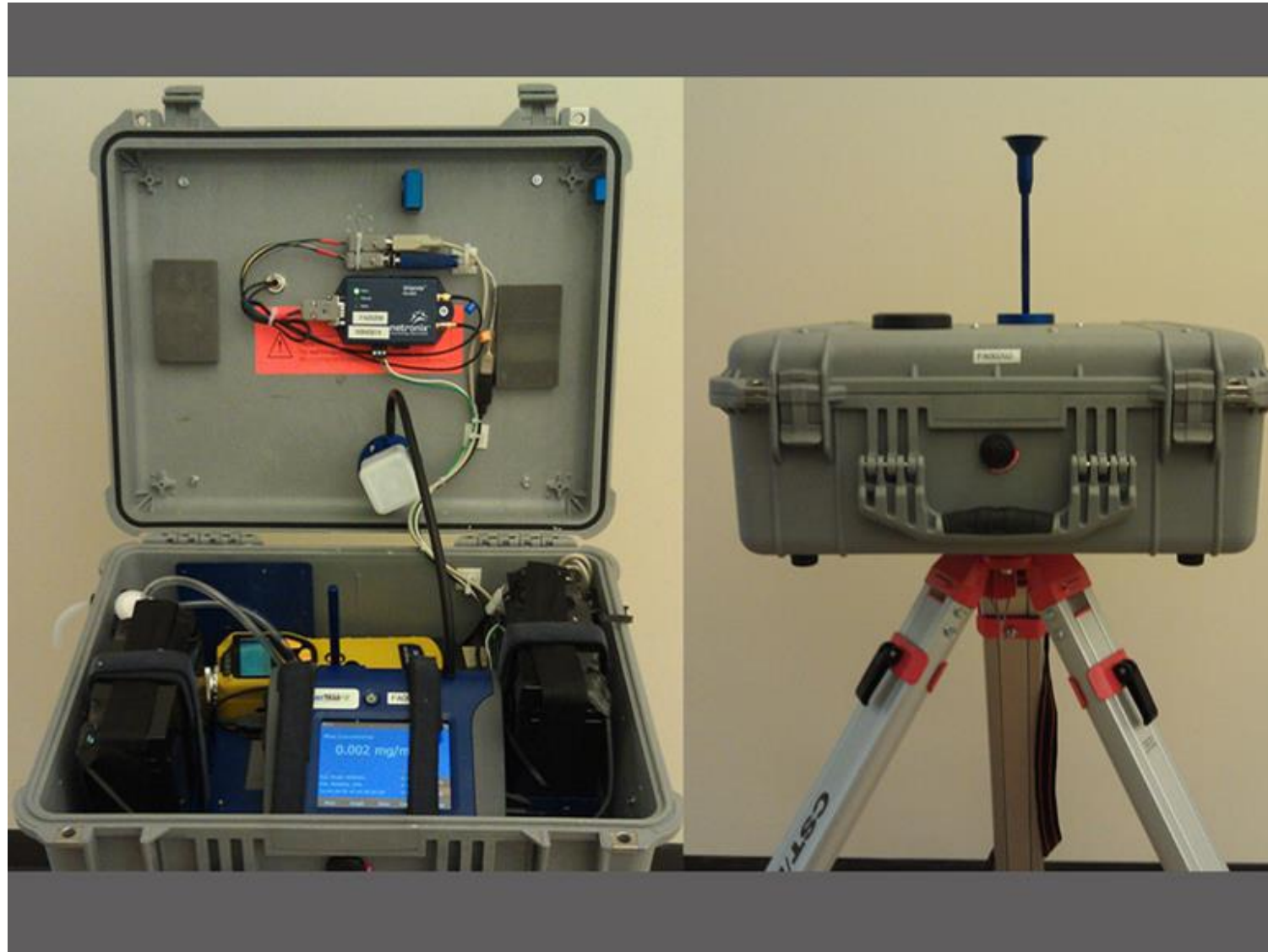
# Datalogger & Modem Options

- Datalogger – Campbell Scientific +
- Modem – Sierra Wireless
- or
- Netronix Thiamis ICU 820 – 1000
- 4-in-1 Programmable Device
- Controller, Datalogger, Modem, GPS





## Netronix with DustTrak & MiniRAE 3000



ADR-1500 w/ Campbell Scientific data logger  
and Sierra Wireless Modem



# Netronix Compatability

- Dust- ADR/PDR-1500, Dust Trak, E-BAM
- Gas –MiniRAE, ppbRAE, UltraRAE, MultiRAE
- Water – In-Situ, YSI, INW
- Sound – Casella, Quest
- Weather – Davis, Lufft



# Why use Telemetry

- Real Time Remote Access
- Data Storage, Access, Sharing
- Ease of use
- Cost effective
- Alarm Feature – Instant Notification
- GPS location/documentation



## California construction site w/ Solar Option



# IAQ Project Profile

- 3 story 14,000 square feet office building in Santa Monica
- IAQ monitoring during construction adjacent site (6+ months)
- 2 monitoring stations
- PM-10 particulate
- Total VOC's
- CO, H2S, SO2, NO2
- Client alerts set to OSHA standards
- Consultant alarm set below OSHA levels



# Dust Trak 8530, AutoZero Module, MultiRAE



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# Live Demonstration of Netronix/EnviroNet

- GPS feature
- Setting Alarms
- Data formats
- One Click Data Delivery







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