Measuring the weather to protect the public and improve traffic safety

High Sierra Electronics
Non-intrusive Technologies

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Non-Intrusive Pavement Sensors

- 5433 IceSight Road Condition Sensor
  - Surface Condition
  - Surface friction coefficient
  - Surface Temperature
  - Air Temperature
  - Relative Humidity

- 5435 Mobile IceSight
  - Measures the same surface and atmospheric parameters as the fixed version
  - Can handle changing pavement types (asphalt and concrete)
Non-Intrusive Pavement Sensors

- **5439 Surface Sentinel**
  - Surface Temperature
  - Air Temperature
  - Relative Humidity
  - Dewpoint
  - Contact output based on user configured parameters (low temp, high temp and frost warning)

- **5436 Mobile Surface Sentinel**
  - Same parameters and fixed version
  - Designed to be mounted on vehicle
  - Operator data display
  - In development (winter 2014)
5435 Mobile IceSight In Action
5437 Mobile Processing Unit (MPU)

- Integrated GPS, cell modem and wireless access point provides a reliable AVL solution
- Intelligent data push rules to collect data when you need it
- Cloud based central software for easy access and high reliability
- Map based graphical interface
- Real time color trails for quick access to data
- Store and forward data when cell coverage is not available
Google map interface with color trails based on surface condition, surface friction, ambient temperature and road temperature
Environmental Monitoring Solutions

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