Williams RDM Briefing on

START ™ Sensor Network System

Williams Will! SM

Williams RDM – Who we are

Williams RDM is a Fort Worth, Texas based Woman-owned small business founded in 1963 who has been a Department of Defense subcontractor since 1965.
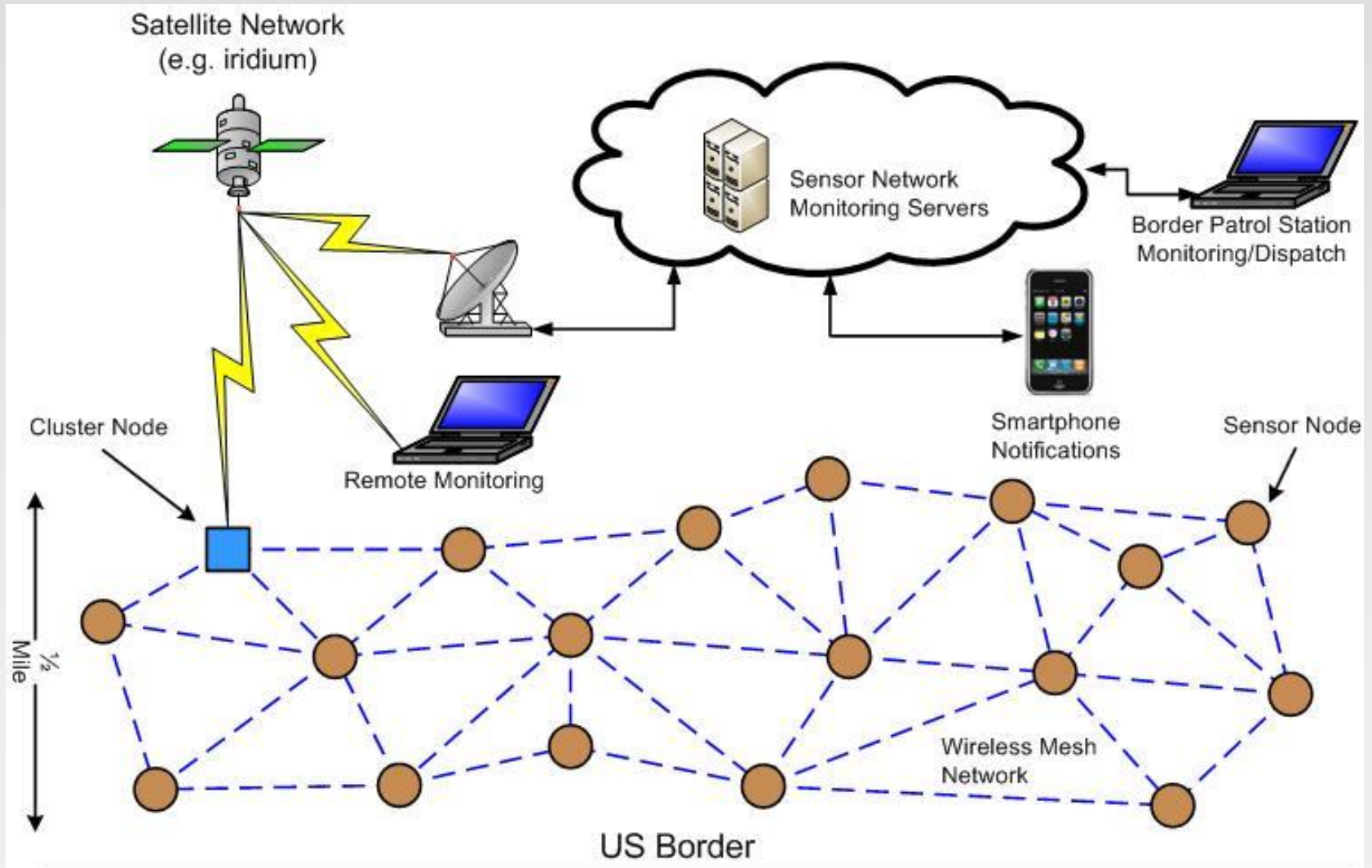
START ^{TM}

Sensor

Network

System

The WilliamsRDM START ^{TM} *Sensor Network system is a low power wireless mesh network intrusion detection system consisting of cluster nodes and sensor nodes.*

It is designed to be deployed rapidly in areas where a physical wall can not be built, or to augment existing security systems.

START ™ Sensor Network System

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Key Benefits of the:

START ™ Sensor Network System

Long Lasting

Nodes are solar and battery powered providing multiple years of service.
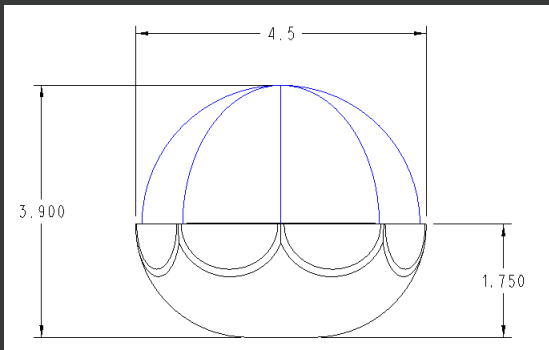
Versatile Implementation

Sensor and cluster nodes may be dispersed from aircraft, ground vehicles, or by hand.

Remote Monitoring

Intrusion detection information may be communicated via satellite or other long range RF link and monitored through an intuitive graphical interface.
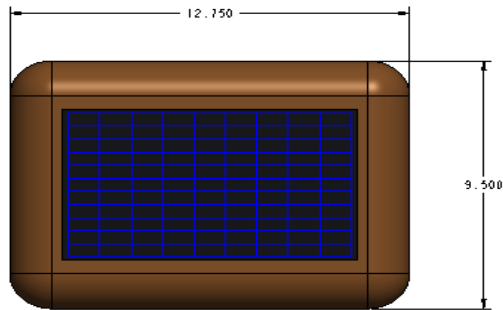
Sensor Node Details

Key Features

- Approximately 4.0" x 5.5"

- Environmentally hardened

- Solar & Battery powered

- Multi-year service life

- GPS equipped for precise location

- Estimated detection range of 50m – 100m

  (nodes deployed 100m apart in rough grid

  pattern)

- False alarm reduction through advanced signal processing algorithms to provide first tier of false detection filtering.
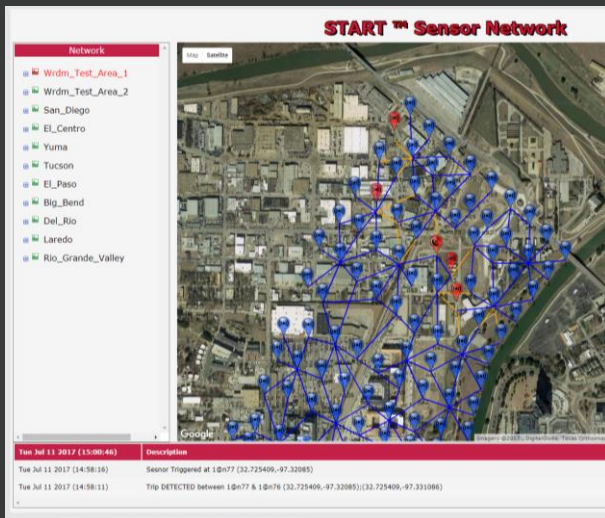
Cluster Node Details

Key Features

- Approximately 13" x 10.0" x 2.5"

- Environmentally hardened

- Solar & Battery powered

- Multi-year service life

- GPS equipped

- Manages a group of sensor nodes (~200)

- Provides second tier of false detection filtering

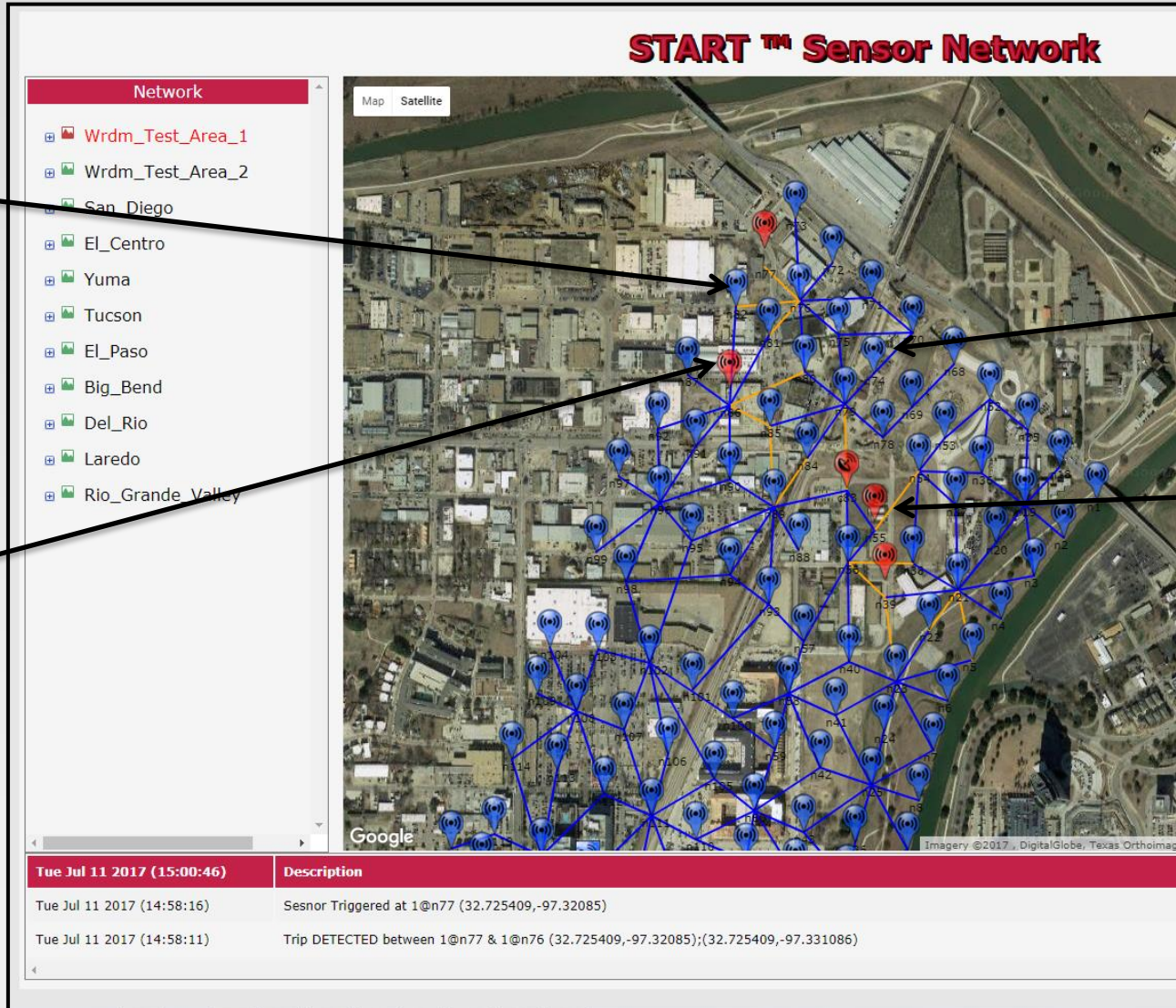- Provides long range communications to security personnel

Remote Monitoring Details

Key Features

- Versatile monitoring – all that's required is a browser enabled device

- Near real time visuals of triggers appear graphically on a map

- Historical data logging with time-lapse viewing.

- Geo-Fencing & Geo-Location

- Over The Air (OTA) node software download

Remote Monitoring Graphical User Interface

Estimated Pricing for the:

START ^{TM} Sensor Network System

Williams RDM estimates the pricing for the START ^{TM} Sensor Network System as the following:

Sensor Node   **$500 each**

Cluster Node   **$2,000 each**

Price per mile   **$100,000**

(200 sensor nodes and 2 cluster nodes per mile)

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" *The WilliamsRDM Sensor Network Border Security System provides a security barrier at less than **10%** of the cost of a physical wall and can be deployed in a **fraction** of the time.*

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Thank You

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