PROTECTION | SURVEILLANCE | SECURITY | PRESERVATION

Security, Surveillance, Communications & Lighting Solutions

Taking Surveillance & Efficiency To a Whole New Level
Presentation Agenda

• Remote Surveillance & The SentryPOST™ Solution
• About Us – Sentry View Systems
• Q&A
Remote Surveillance

• Challenges
  ◦ Power
    ▪ Costly infrastructure installation
    ▪ High generator fuel cost – approaching $100/gal for the remotest of locations
  ◦ Communications
    ▪ Long distances
    ▪ Difficult & expensive cable installation costs
  ◦ Environmental permitting

• The Solution...SentryPOST™
SentryPOST™ Solution

SentryPOWER™ SVT1

SentryPOWER™ PV250

SentryCAM™

SentryPOWER™ Batteries

SentryLITE™

Wireless
SentryPOST™ Configurations

• Municipal, Decorative Pole
  ◦ Variety of style options possible
  ◦ Partnered with multiple pole manufacturers to provide the right pole for your need
  ◦ Aluminum, Steel, Composite
SentryPOST™ Configurations

• Industrial Applications
  ◦ Rugged and durable poles & hardware
  ◦ High mast pre-stressed concrete options
  ◦ Thick wall steel, tilt-down pole options

• Mobile Applications
  ◦ Light duty trailer / truck bed module
  ◦ Heavy duty trailer module
SentryPOST™ Configurations
SentryPOST™ Configurations

Standard Pole Offering

- 30ft height (excluding SVT1)
- Thick wall steel construction
- Tilt-down design for easy access to elevated appliances with no man-lift
SentryPOST™ Configurations

Prototype
Will be unveiled at FPED

Concept
Design details subject to change
SentryPOST™ Configurations
SentryPOWER™

• SentryPOWER PV250
  ◦ 250 Watt PV panel (other sizes available)
  ◦ Nearly 18% cell efficiency
  ◦ 5 year product warranty
  ◦ 25 year product life expectancy
  ◦ 90% output after 10 years
  ◦ 80% output after 25 years
SentryPOWER™

- SentryPOWER PV250
- SentryPOWER SVT1
  - Spherical Venturi Turbine
  - 1.1 meter diameter turbine
  - 6 blade turbine – maximizes gain
  - 500 Watt unique, high efficiency design
  - 4.5 mph cut-in wind speed
SentryPOWER™

- SentryPOWER PV250
- SentryPOWER SVT1
- SentryPOWER SVT2
  - 2.2 meter diameter turbine
  - 7 mph cut-in wind speed
  - 2.2 kW generator
SentryPOWER™

- SentryPOWER PV250
- SentryPOWER SVT1
- SentryPOWER SVT2
- SentryPOWER MTU (Mobile Tactical Unit)
  - Tripod mounted SentryPOWER SVT1
  - Photovoltaic tent
  - 400 Amp·Hr battery & charge controllers
  - Rugged transport cases for mobility
Spherical Venturi Turbine

• Wing Tip Turbulence
  ◦ Vortices generated by blade wingtips create drag
  ◦ Decreases turbine efficiency
Spherical Venturi Turbine

Traditional Prop
Virtual / Effective
diameter is **smaller** than physical diameter

Spherical Venturi Turbine
Virtual / Effective
diameter is **larger** than physical diameter
SentryPOWER SVT Output

![Graph showing SentryPOWER Wind SVT1 and SentryPOWER Wind SVT2 output vs. wind speed.]
SentryPOWER SVT Output

Power Output (Watts) vs. Wind Speed (mph)

- SentryPOWER Wind SVT1
- SentryPOWER Wind SVT2
SentryNET Commander™

- Supervisory Control And Data Acquisition (SCADA)
- Intelligent edge device monitoring & control
- Programmable power relays
- Contact closure inputs
- Temperature & humidity monitoring
- Latching alarms with programmable states
- Less then 1 Watt power consumption
- Configuration Software for Windows or Linux included on USB drive or CD
- Operating temperature -40° to +60°C
SentryNET Commander Pro™

- SCADA & temperature monitoring
- 10/100 network interface
- Web interface for configuration (no external software required)
- On-board data logging (SD card)
- LCD readout
- Real time clock (battery)
- Programmable power relays
- Analog inputs & contact closure inputs
- Latching alarms with programmable states
- Operating temp -40° to +60°C
SentryNET Commander
Power Pro™

- All the features of Pro configuration
- Analog inputs
- Dual input AGM battery charge controlling (12vdc or 24vdc)
  - SentryPOWER PV input (solar)
  - SentryPOWER SVT input (wind)
- LVD protection from battery deep discharge
- Operating temp -40° to +60°C
SentryNET Commander
Power Pro Plus™

- All the features of Power Pro configuration
- Triple input AGM battery charge controlling (12vdc or 24vdc)
  - SentryPOWER PV input (solar)
  - SentryPOWER SVT input (wind)
  - Grid or generator 120-240vac input
- LVD protection from battery deep discharge
- Operating temp -40° to +60°C
SentryLITE™

- Long Life LED roadway luminaire
  - 50 Watt 120-240vac / 4350 lumen
  - 50 Watt 24vdc / 4350 lumen
  - 100 Watt 120-240vac / 5900 lumen
  - 150 Watt 120-240vac / 11800 lumen
- Dark Sky Compliant
- Drop in replacement for existing HID roadway lighting
- 60,000 hr. rated life (6.8 years)
SentryLITE™

• Optional Integrated SentryCAM™
  ◦ Fixed mini-dome on SentryLITE™ housing
  ◦ PTZ dome on light mount
Communications

- **Wireless**
  - Wi-Fi, Wi-Max, Mesh
  - Point-to-point, point-to-multipoint
  - 4G, microwave
- **SATCOM**
- **Optical Fiber**
- **LAN**
Value-Added Integrations

• Imagers
  ◦ SentryCAM™
  ◦ Thermal
  ◦ NIR Illuminated
Value-Added Integrations

• Imagers

• Video Storage
  ◦ SentryNET EdgeDVR™
  ◦ SentryNET Central NVR™
Value-Added Integrations

• Imagers
• Video Storage
• SentryNET SightCommander™
  ◦ Video Management System
  ◦ Situational Awareness Enhancement
  ◦ Custom Application Development
Value-Added Integrations

- Imagers
- Video Storage
- SentryNET SightCommander™
- Intrusion Detection
  - Buried Fiber Sensor
  - Laser Trip Wire
  - FMCW & Doppler ground based radar
Value-Added Integrations

• Imagers
• Video Storage
• SentryNET SightCommander™
• Intrusion Detection
• Hostile Fire Detection
  ◦ Optical sensor for rapid detection and heading awareness
  ◦ Weapons identification capability
About Us

• Established in 2000

• Secure, Remote Communications
  ◦ 10 year contract for secure DoD wireless communications platform
  ◦ Teleport in Baghdad
  ◦ Developed SATCOM network in Kosovo
  ◦ Developed NATO SATCOM stations in Angola
About Us

• Deployed Remote Surveillance
  ◦ SentryNODE™
    ▪ 450 installations at high priority DoD sites
    ▪ Commendation received for 100% on time deliveries
    ▪ Current backlog for >150 units
About Us

• Deployed Remote Surveillance
  ◦ SentryNODE™
  ◦ SentryNET Commander™
    ▪ Over 150 units deployed
    ▪ DoD and border surveillance applications
About Us

- Deployed Remote Surveillance
  - SentryNODE™
  - SentryNET Commander™
  - SightCommander™
    - More than 50 DoD deployments
About Us

• Deployed Remote Surveillance
  ◦ SentryNODE™
  ◦ SentryNET Commander™
  ◦ SightCommander™
  ◦ SentryPOWER™
    ▪ Deployed on US/Mexico border
    ▪ 100s of international deployments
About Us

Sentry View Holdings

Sentry View Systems
- Remote Solutions
- Surveillance Solutions
- Network Solutions
- Custom Engineered Solutions

SuperTel Network
- Program Management
- Government Contract Management (DOD, DHS, CBP,...)
- Custom Systems Engineering

Veri-Core
- Court Room A/V Recording Solutions
Our Mission

- Protection
- Surveillance
- Security
- Preservation

We protect America's most sensitive assets.

We provide efficient visual threat detection and assessment.

We engineer remote communications network capabilities.

We enhance situational awareness for force multiplication.

We improve security effectiveness for high value assets.

We preserve human resources.

We conserve natural resources.

We reduce costs.
Our Values

Integrity: the hallmark of our character
Pyramid of Value

CORE COMPETENCY FOUNDATION

CUSTOM ENGINEERED SOLUTIONS
Solutions Summary

- SentryPOST™
- SentryPOWER™
- SentryNODE™

Remote

- SentryCAM™
- SentryVCA™
- Physical Security & Intrusion Detection
- SightCommander™ - custom VMS

Surveillance

- SentryNET Commander™
- SentryNET™ Suite
- SentryNET EdgeDVR™
- SentrySECURE™

Network

- Custom System Engineering
- Custom Product
- Software App Development
- Rapid Prototyping

Custom Engineered

5/18/2011

2011 Joint Services Power Expo
Solutions Summary

Remote Solutions
- State of the Art Remote Power Systems
- Secure Remote Communications
- The Capstone of Effectiveness

Surveillance Solutions
- Quality Imaging with High Value, Intelligent Analytics
- Customizable Ergonomic Human Interface
- Force Multiplying Remote Assessment Tools

Network Solutions
- Leading Network Capability
- Proprietary, Intelligent Edge Device Monitoring
- Building Blocks For Intelligent Systems

Custom Engineered Solutions
- Agile, Adaptable, Capable
- Rapid Prototyping
- Our Foundational Core Competency
Sentry View Systems

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