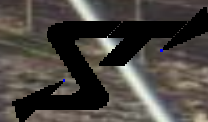
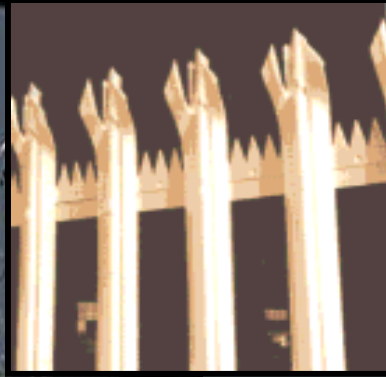


Safeguards Technology, Inc.

Smart Perimeter Intrusion Protection Systems

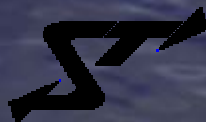


Safeguards Technology, Inc.

...Bringing operational and technical security know-how to the world

- Incorporated in Georgia
- Owner: Moshe Levy
- 47 Employees
- Headquartered in Hackensack, NJ
- Offices in California & South Carolina
- Established in 1982

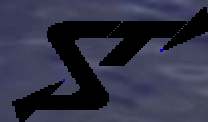
www.safeguards.com



Key Personnel



- Moshe Levy - President & CEO
Security Expert
- Haim Perry - Executive VP
Lt. Col. (Ret.), Israeli Defense Forces
- Jeff Curtis - VP of Sales & Marketing
Smith & Wesson



Markets and Industries Served



- Airports
- Banking
- Chemical
- Communications
- Computer Sites
- Correctional Facilities
- Electrical Utilities
- Government Buildings
- Nuclear Plants
- Manufacturing
- Military
- Natural Storage Gas Facilities
- Petroleum Storage Terminals
- Pharmaceuticals
- Ports
- R & D Sites
- Refineries
- Sensitive Buildings and Land
- Train & Rail Facilities
- United States Government



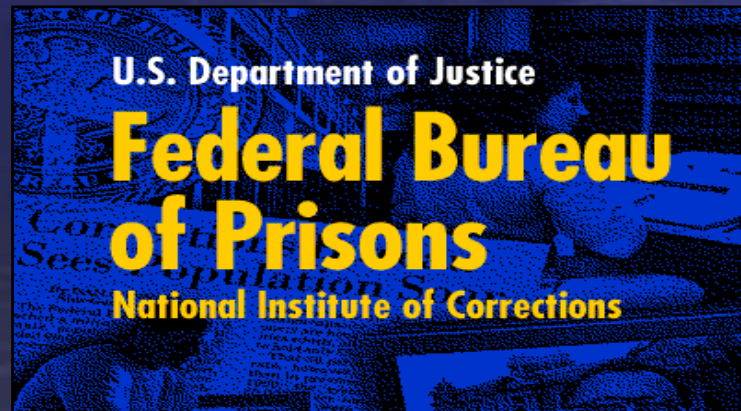
Customers



New York City
Department of Correction

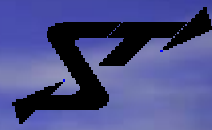


The Federal Reserve Board



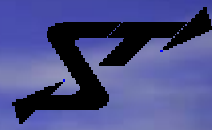
U.S. Department of Justice
**Federal Bureau
of Prisons**
National Institute of Corrections

Manufacturing Quality & Reliability



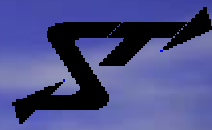
- **Advanced Technology with Traditional Craftsmanship**
- **Highest Quality Perimeter Intrusion Detection Systems Available in the Market**
- **Low False Alarm Rates**
- **Low Maintenance**
- **Long, Reliable Life Span**
- **Complete Design & Project Management**

Criteria for Determining a Suitable Intrusion Detection System

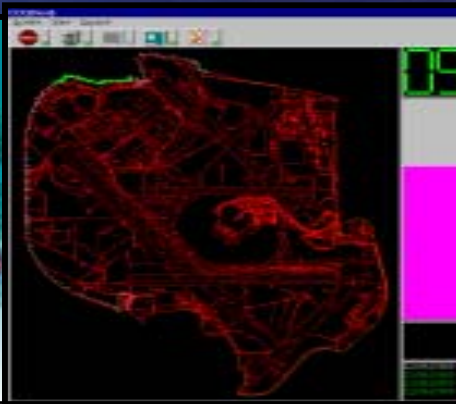


- Probability Of Detection
- False/Nuisance Alarm Rate
- Availability/Operating Environment
- Maintenance
- System Lifetime
- Cost Effectiveness
- Probability of Defeating/Neutralizing the System
- Alarm Assessment

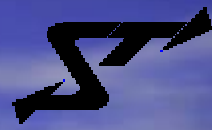
Products



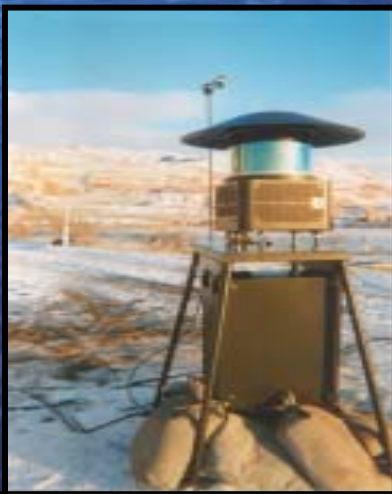
- Advanced Security Technology
- Intrusion Detection Systems
- Fences & Barriers
- Control & Interface Products
- Covert Cameras



Advanced Security Technology



- Laser Guard Sensor System
- Absolute Dual Technology Intrusion Detection System
- DTS – 1000 Video Intrusion Detection System



Laser Guard for Land or Port Applications



Laser Guard Applications



- **Commercial:**

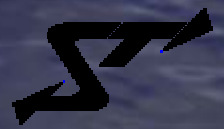
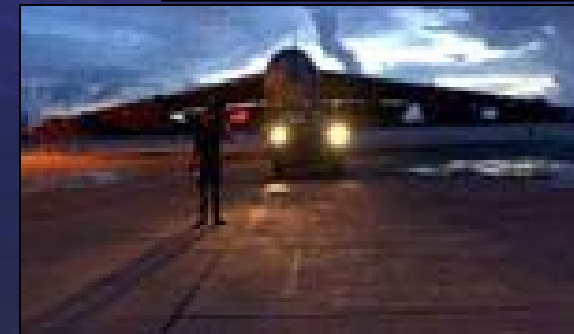
- ❖ **Petroleum Refineries and Facilities**
- ❖ **Harbor and Port Loading Facilities**
- ❖ **Electric Power Plants**
- ❖ **Correctional Facilities**
- ❖ **Airfields**
- ❖ **Isolated Sensitive Sites**



Laser Guard Applications

- **Military:**

- ❖ Quick Deployment Forces
- ❖ Airfields \ Army \ Navy Marine Bases
- ❖ Temporary Camps
- ❖ Ambushes
- ❖ High Risk Assets





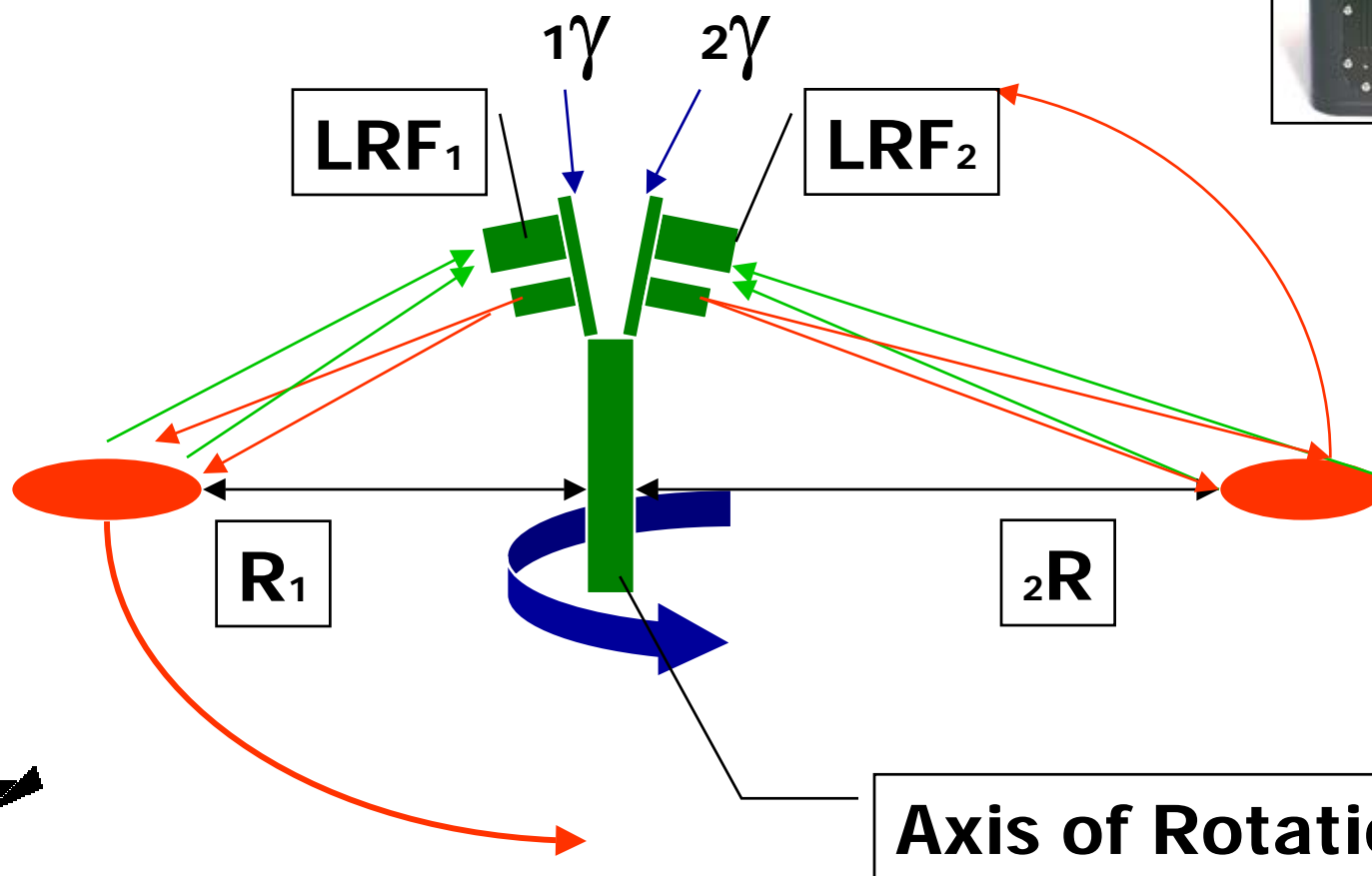
Laser Guard Features

- **Portable**
- **Quick and simple installation**
- **Provides distance and azimuth of intruder**
- **Tracking by slaved camera**
- **No masking effect in vicinity of wall**
- **Pre-alarm capability**
- **Tracking data saved & stored electronically**
- **Can mask out regions**
- **Mapping of objects (such as trees, houses, etc.)**
- **Can be integrated with other controls**

LASERGUARD



Principle of Operation

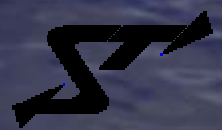
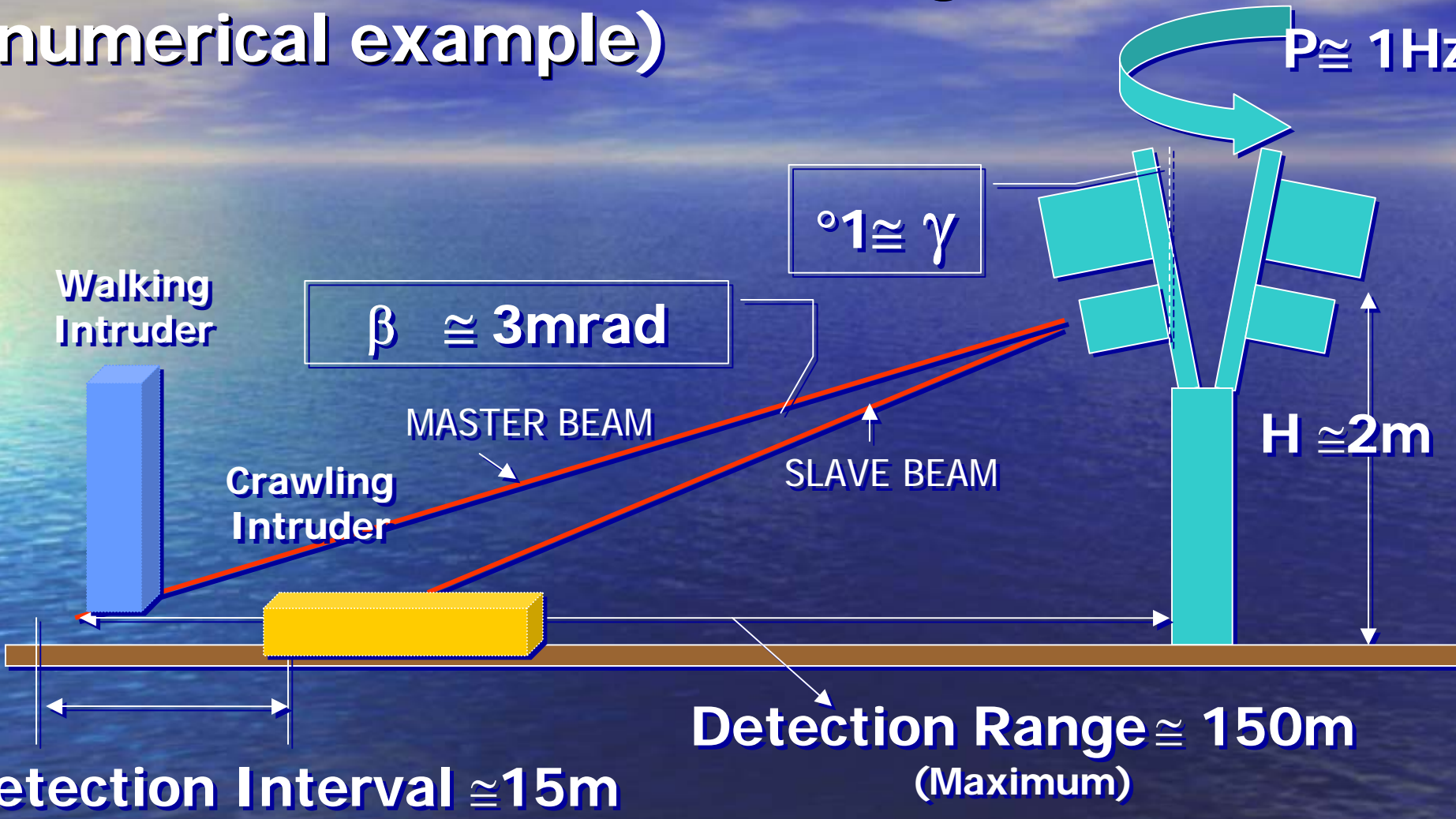


LGS Creates a *Virtual Wide Fence* by using the LADAR (Laser Radar) Technology



Detection Geometry

(numerical example)



Absolute Infrared/Microwave Dual Technology System

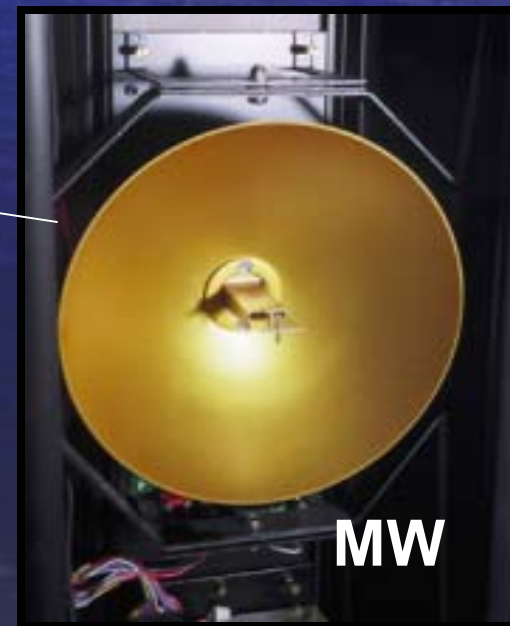
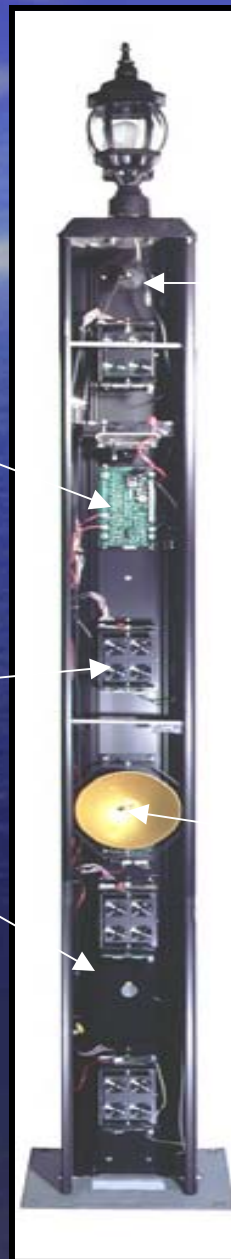
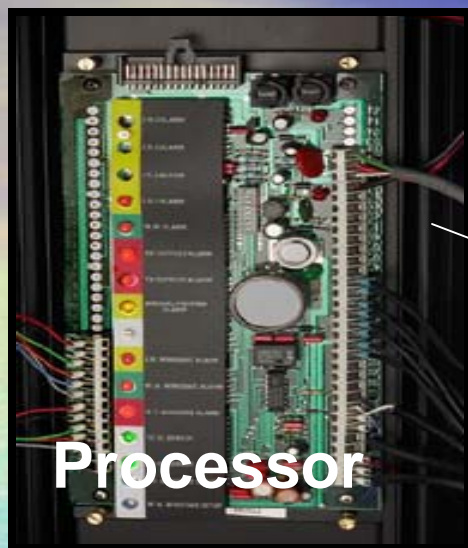
Northern Correctional Facility, CT



Federal Reserve Bank, VA



Absolute System Components





ABSOLUTE METHOD OF OPERATION

THE ABSOLUTE
SYSTEM UTILIZES
LOGIC "AND" GATE
DESIGN TO INITIATE
AN ALARM

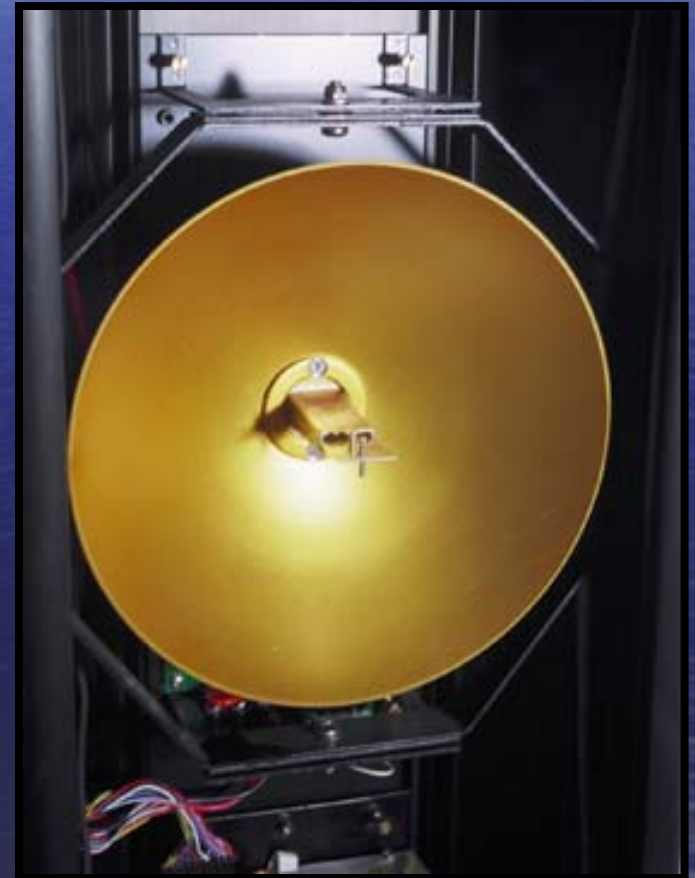
STEP ONE

ACTION: MICROWAVE IN ALARM

RESULT: ABSOLUTE SYSTEM IN "ALERT"

(PRE-ALARM) MODE

*(REPEAT FOR DOPPLER)



ABSOLUTE METHOD OF OPERATION

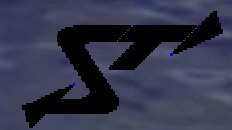
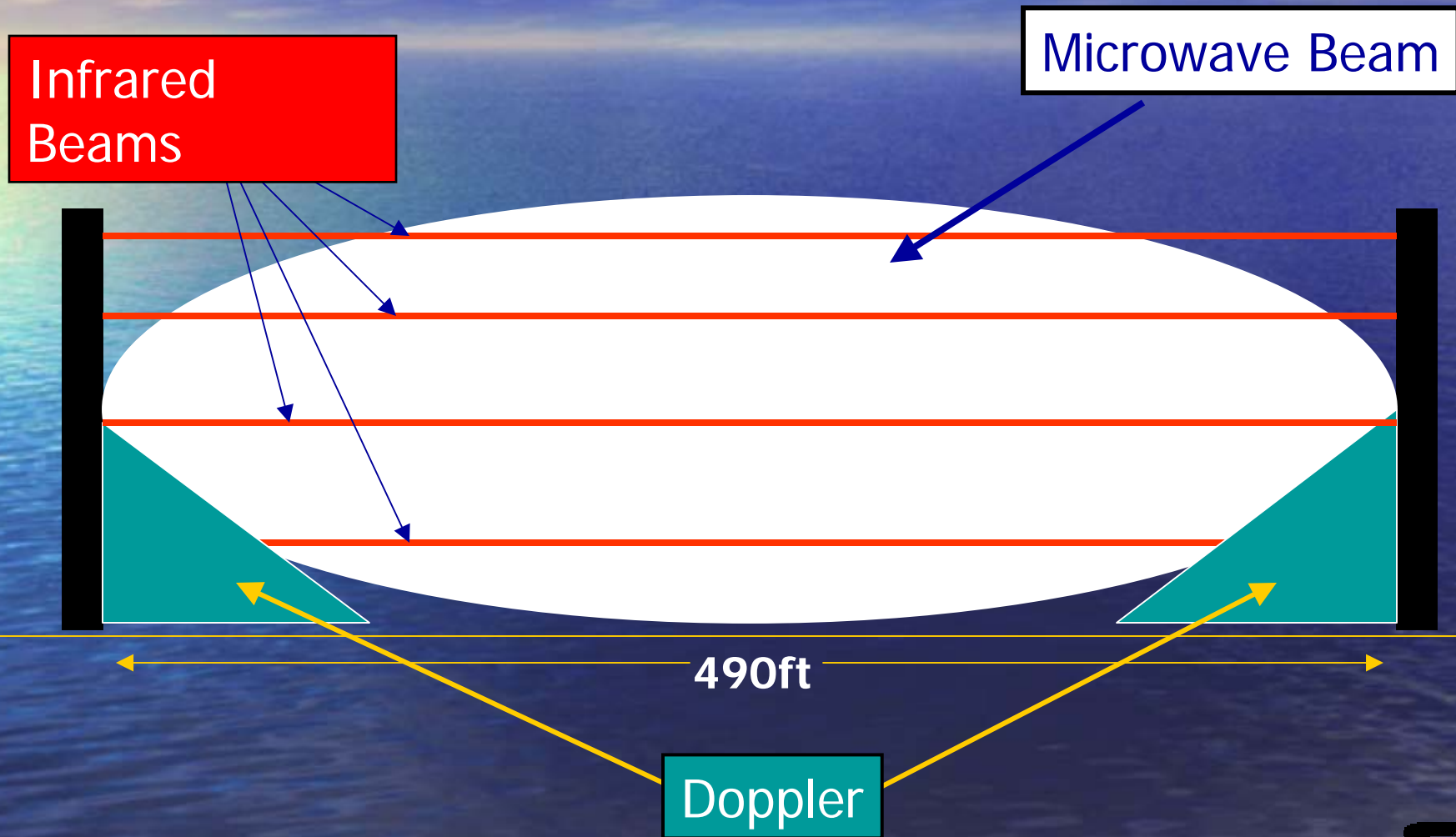
STEP TWO

ACTION: IR IN ALARM

RESULT: BONIFIDE
ALARM!



ABSOLUTE DETECTION FIELD



False Alarm Comparison Chart



ABSOLUTE IR/MW vs. IR or MW

FALSE ALARM FACTORS	MW	IR	ABSOLUTE
MOVING WATER	YES	NO	NO
MOVING FENCES	YES	NO	NO
FOG	NO	YES	NO
SMALL ANIMALS	NO	YES	NO
BLOWING LEAVES/PAPER	NO	YES	NO
HIGH WIND	NO	NO	NO
SUNLIGHT REFLECTION	NO	YES	NO

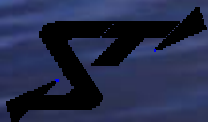
CUSTOMIZED FOR EACH INSTALLATION

Communication

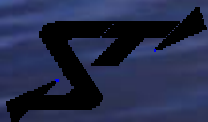
- Copper or Fiber Optic Wiring
- Wireless

Options

- Camera for alarm assessment
- Anti- Climb Cover
- Heater
- Doppler
- Special Motherboard
(Provides separate dry contacts)



DTS – 1000 Video Motion Detection System



DTS-1000 Video Motion Detection System

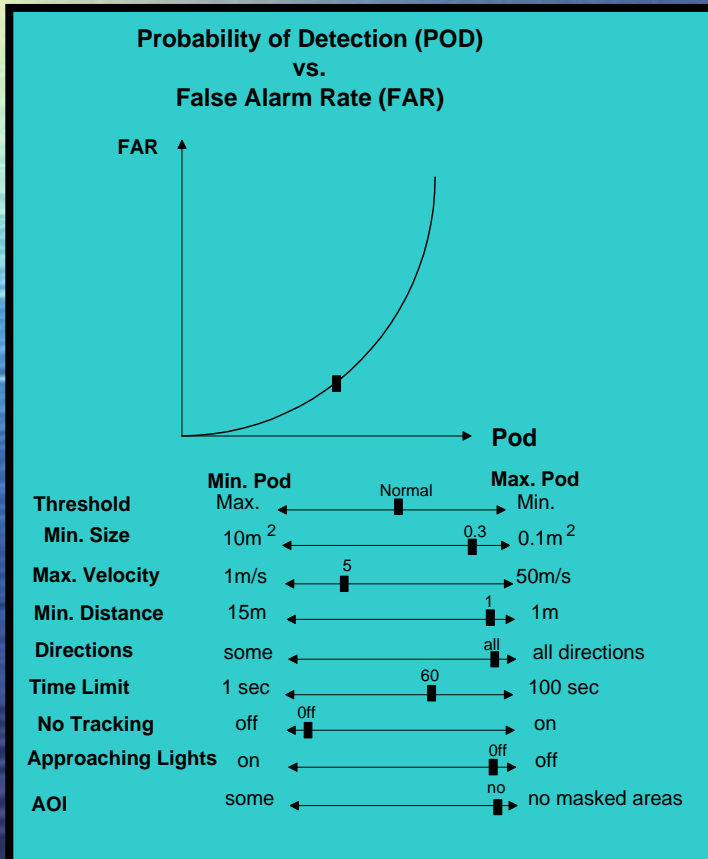
Benefits

- One picture is worth a thousand words.
- Hands free, view free CCTV.
- Displays detection area and provides alarm reason.
- Operator faced with large number of monitors may miss objects moving in one particular monitor.
- Reliable VMD will free operators for other tasks.
- Cost effective system - fully utilizing the camera system.
- Cut manpower resources - less patrolling required.
- Protects places where no other form of detection other than operator surveillance via CCTV could be applied.
- Easy investigation.



DTS-1000 Video Motion Detection System

- Sophisticated software algorithms
- 99 "Parameter Sets" activated on time/date basis and/or external inputs



PARAMETER SETS Supervisor*

View Parameters Help

Parameter sets: DAY

Camera List: 1

Priority: 0

Active Camera

Threshold: High

Min Size: 0.30 m²

Max Velocity: 5.00 m/sec

Min Distance: 1.00 m

AOI Num: 1 View

Time Limit: 60 sec

Approaching lights

All Direction

Direction: 1

Draw Delete

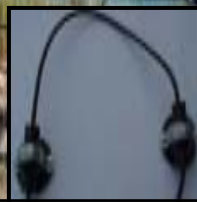
Close Save

Products



Intrusion Detection Systems

- DTR Taut Wire Intrusion Detection Systems
- STI – 100 Fence Protection System
- STI – 103 Seismic Intrusion Detection System
- STI – 290B Vibration Intrusion Detection System





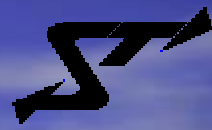
DTR Taut Wire Systems

Ben Gurion Airport



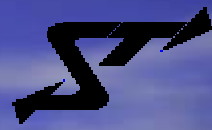
Chicago O'Hare Airport



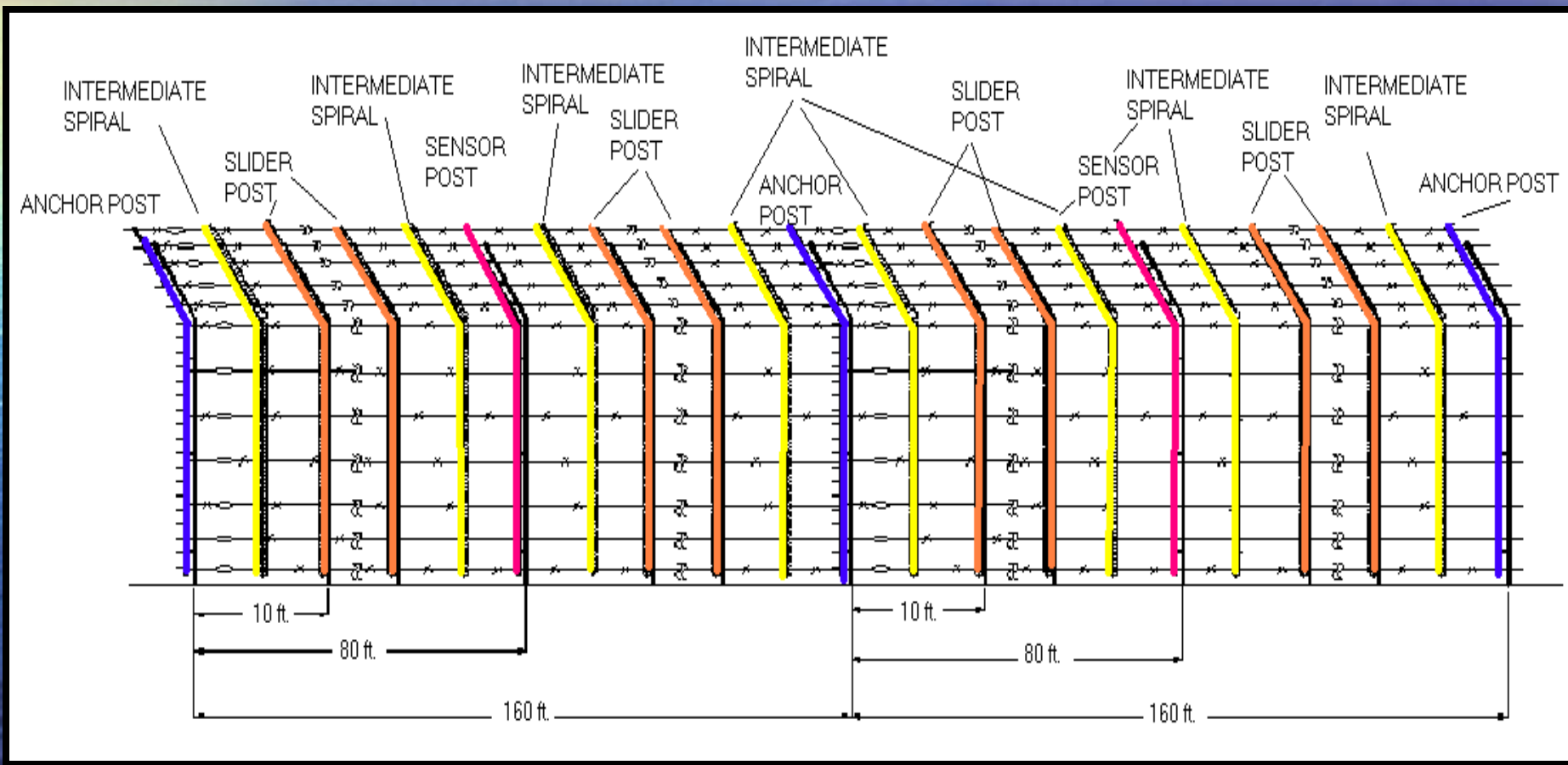


DTR Taut Wire Benefits

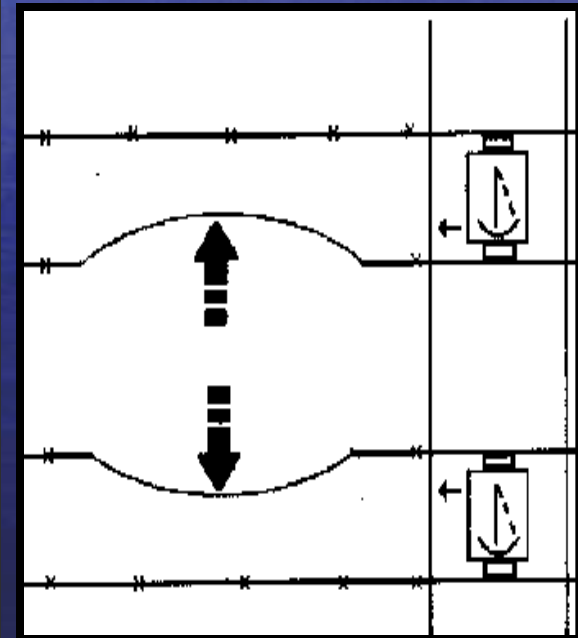
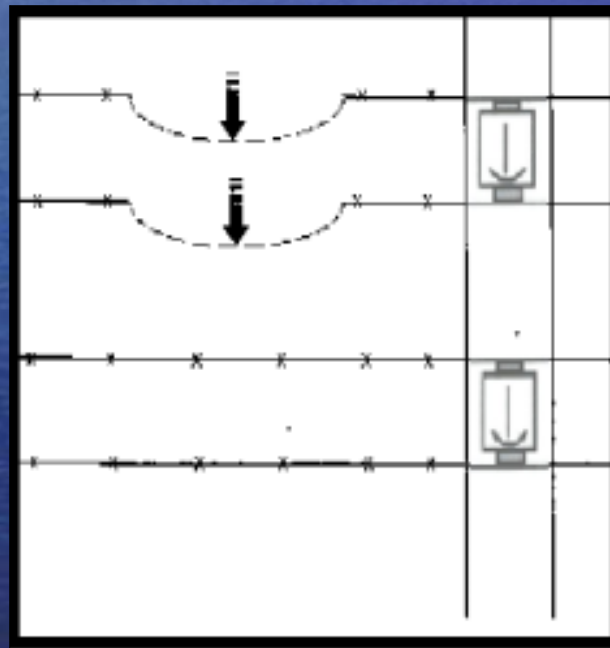
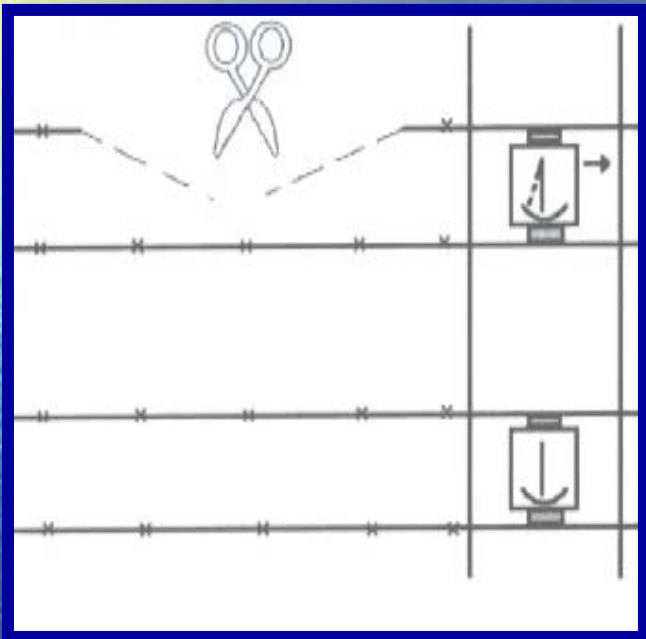
- **Lowest False Alarm Rate Available (1 per 3 months per km)**
- **Formidable Physical Barrier**
- **Reliable Intrusion Detection**
- **Minimal Maintenance**
- **Cost Effective**
- **Expected System Lifetime of over 15 Years**
- **High Availability**
- **High Probability of Detection**
- **Low False/Nuisance Alarm Rate**



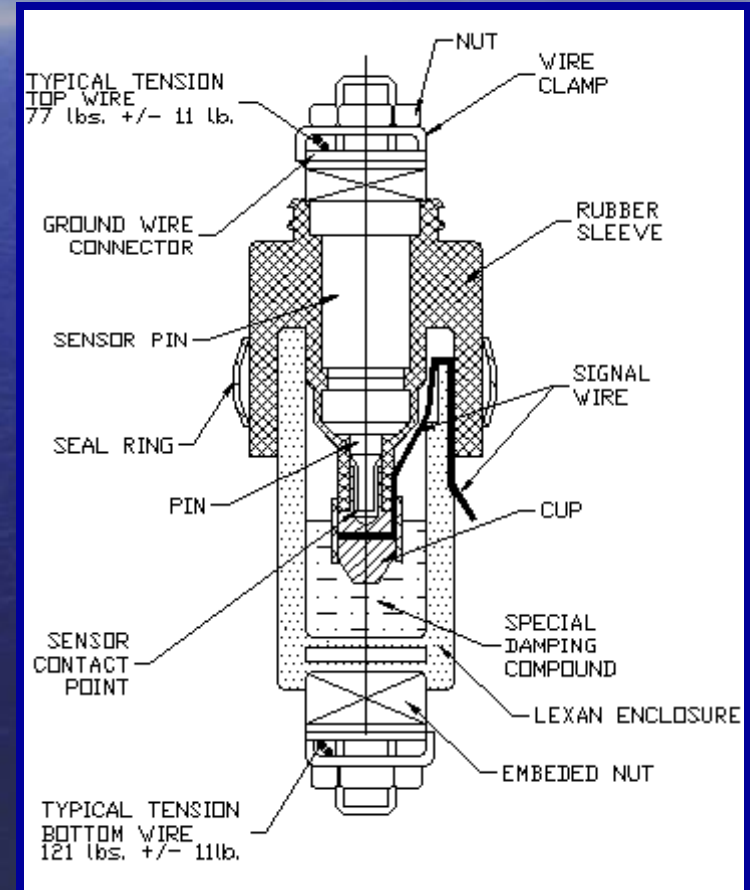
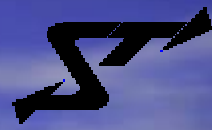
Typical Taut Wire Setup



Cutting, Climbing, & Spreading Detection



DTR Taut Wire Sensors

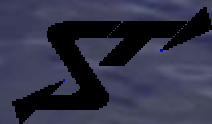


Model :DTR 2000 Sensor
with Movement limiter

DTR Taut Wire Configurations



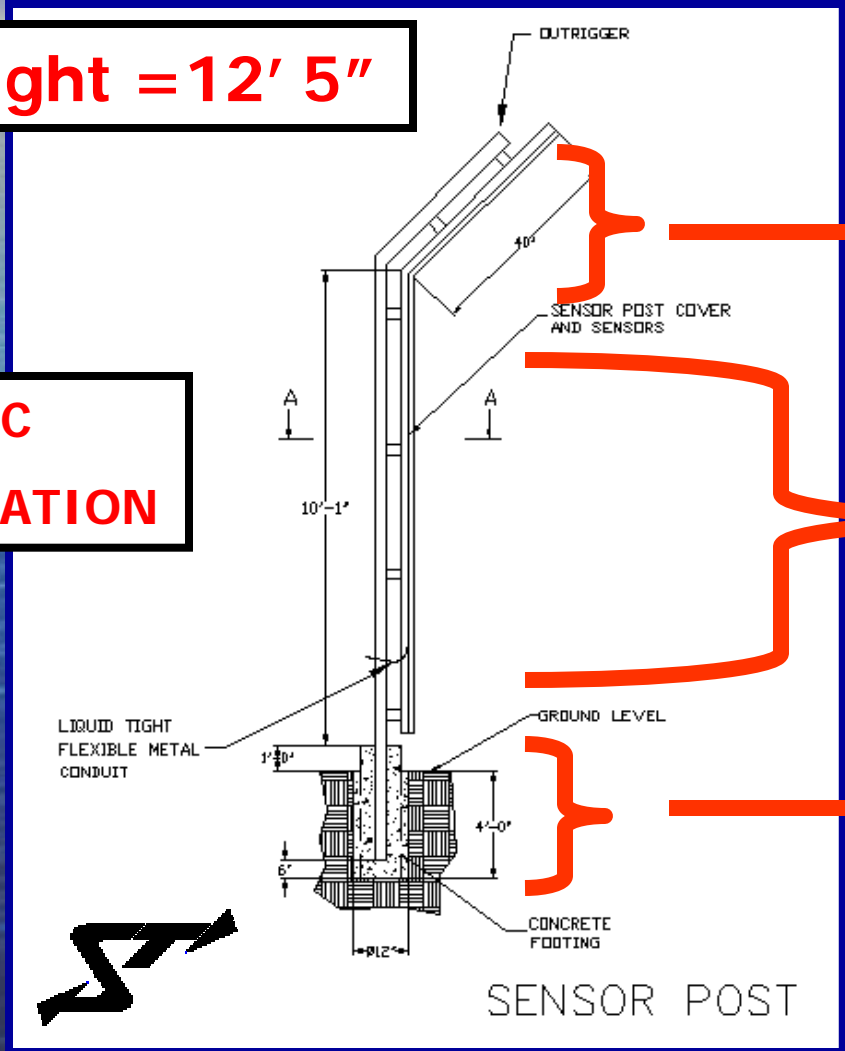
DTR Taut Wire System Outrigger Integrated w/STI 290B FVS Mounted on Welded Razor Mesh



Chicago O'Hare Airport Taut Wire System Configuration

Total Height = 12' 5"

FIBER OPTIC COMMUNICATION



40" TAUT WIRE
OUTRIGGER

10' 1" OF VERTICAL TAUT WIRE

4' CONCRETE FOOTING

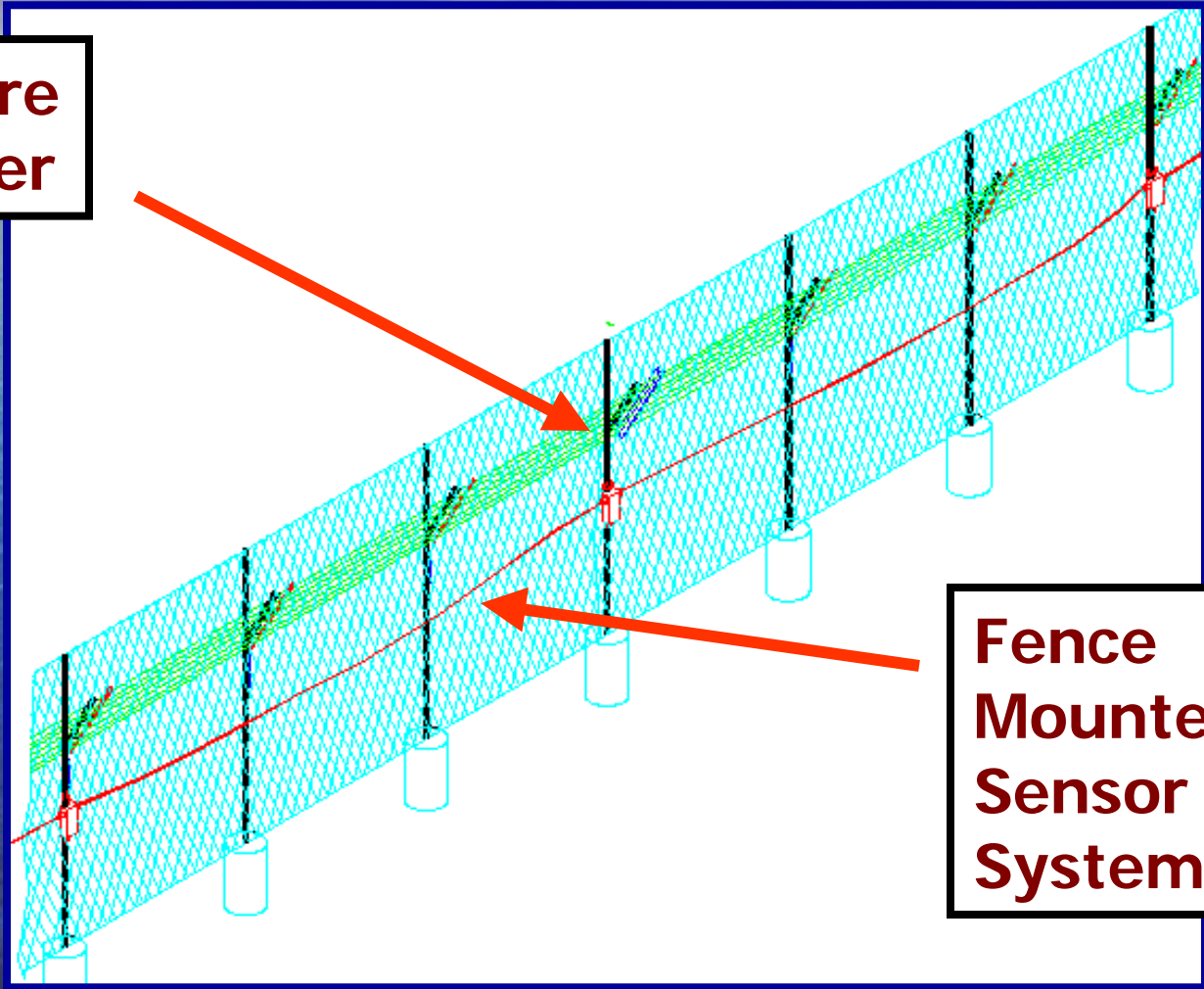
STI – 100 Fence Protection System

- Dependable (fine tune) piezoelectric sensors
- Up to 2500 linear feet of perimeter fence protection in each zone
- Use on Chain Link, Wire Mesh, Razor Mesh or Expanded Metal fences with 8-12 foot post spacing
- Excellent False Alarm Performance/ Performs Reliably near Railroads Utilities, or Microwave Towers
- Detects attempts to climb, cut or lift-tamper proof



TAUT WIRE OUTRIGGER ON EXISTING FENCE WITH STI-100 FENCE MOUNTED SENSOR SYSTEM

**Taut Wire
Outrigger**



**Fence
Mounted
Sensor
System**



STI-103 Seismic Intrusion Detection System

- All Weather Versatile System
- Geophone Sensors Easily Installed in Concrete, Asphalt or Dirt
- Ideal for hilly or irregular sites
- Latest integrated Circuit Design for Reliability
- Discriminator screens out noises and vibration to reduce nuisance alarms
- Optional Audio Monitor for Verification
- Portable for Temporary Use



STI – 290B Fence Vibration System

- Advanced Outdoor “Shaker Style” FVS
- Enhanced Reliability
- Low False Alarm Rate
- Easy Installation
- Suitable For All Fences
- Supplied Ready to Install
- Economical



Products



Fences & Barriers

- Welded Mesh Security Fencing
- Welded Razor Mesh Fence
- Palisades High Security Fencing
- Mobile Barrier

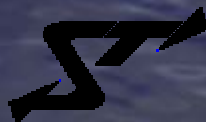
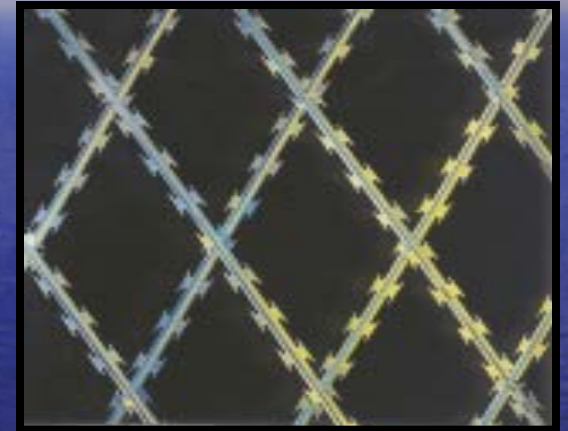


Welded Razor Mesh Fence



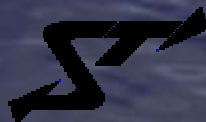
Razor Mesh Advantages

- VIRTUALLY IMPOSSIBLE TO CLIMB
- DIFFICULT TO CUT
- FORMIDABLE PHYSICAL & MENTAL DETERRANT
- EXTREMELY RIGID, MAKING IT IDEAL FOR FENCE MOUNTED SENSORS
- NEAT UNOBTRUSIVE DESIGN
- CONSTRUCTED OF HIGH QUALITY TENSILE STEEL



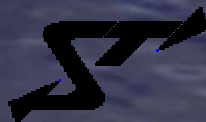
Razor Mesh Advantages

- CAN EASILY BE ADDED TO EXISTING FENCES, GATES AND SALLYPORTS OR CAN BE STAND-ALONE
- DOES NOT HAVE TO BE CONSTANTLY RETENSIONED (as chain link does)
- DOES NOT REQUIRE HIGHLY SKILLED WORKERS FOR INSTALLATION
- COMES IN MANAGEABLE PANELS FOR EASY and FAST INSTALLATION
- LOW MAINTENANCE



Applications

- **STAND-ALONE FENCE**
- **ATTACH TO EXISTING FENCES & GATES**
- **PERIMETERS**
- **SALLYPORTS**
- **PERPENDICULAR/CONTROL FENCE**
- **ATTACH TO UPPER PORTION OF FENCE (FOR SAFETY)**



Bergen County Jail, NJ



Integrated Solutions

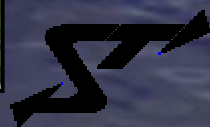
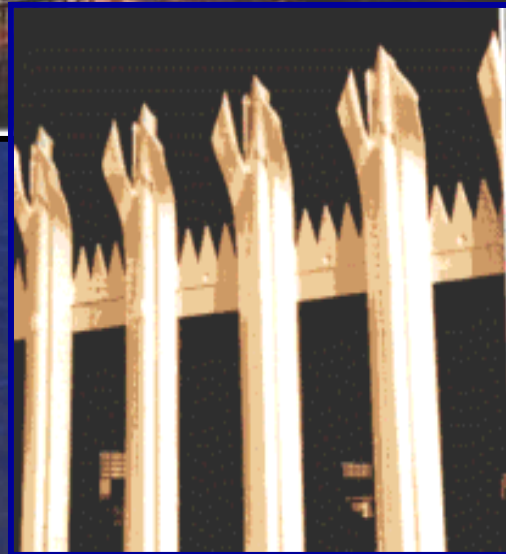


Welded Mesh Security Fencing

- High, Medium, or Minimum Security
- Difficult to Climb & Cut
- 2.4 x 2.4 WM features Superior Performance
- *Cost Competitive to 2", 9 gauge Chain Link*

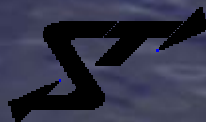


Palisades High Security Fencing

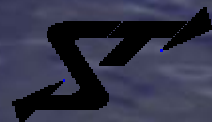


Palisades High Security Fencing

- **Attractive, Rugged, & Dependable**
- **Economical**
- **Galvanized or Stainless**
- **Bolted Assemblies with Tamper Proof Connection Points**
- **25 Year Lifetime**
- **Customized for Customer's needs**

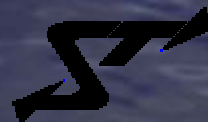


HD – 300 Rapid Modular Barrier System



HD – 300 Rapid Modular Barrier System

- Rapidly Deployable Razor Wire Fencing System Deployed from Towable Trailers
- Dispense Hands Free Thousands of Feet of Pre-Constructed Pyramid Barrier
- Temporary Prisoner of War Containment Area
- Tailored to your Requirements

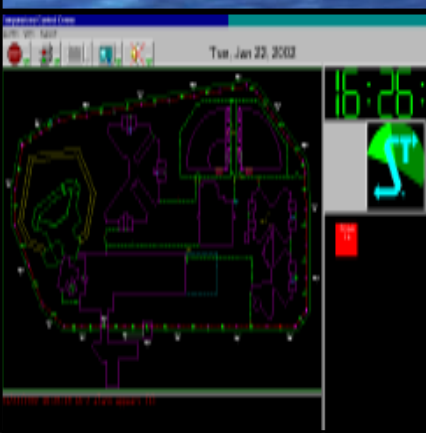


Products



Control & Interface Products

- Perimeter Control Center
- Magnet Multi-Site Software
- Wall Map
- Mobile Map

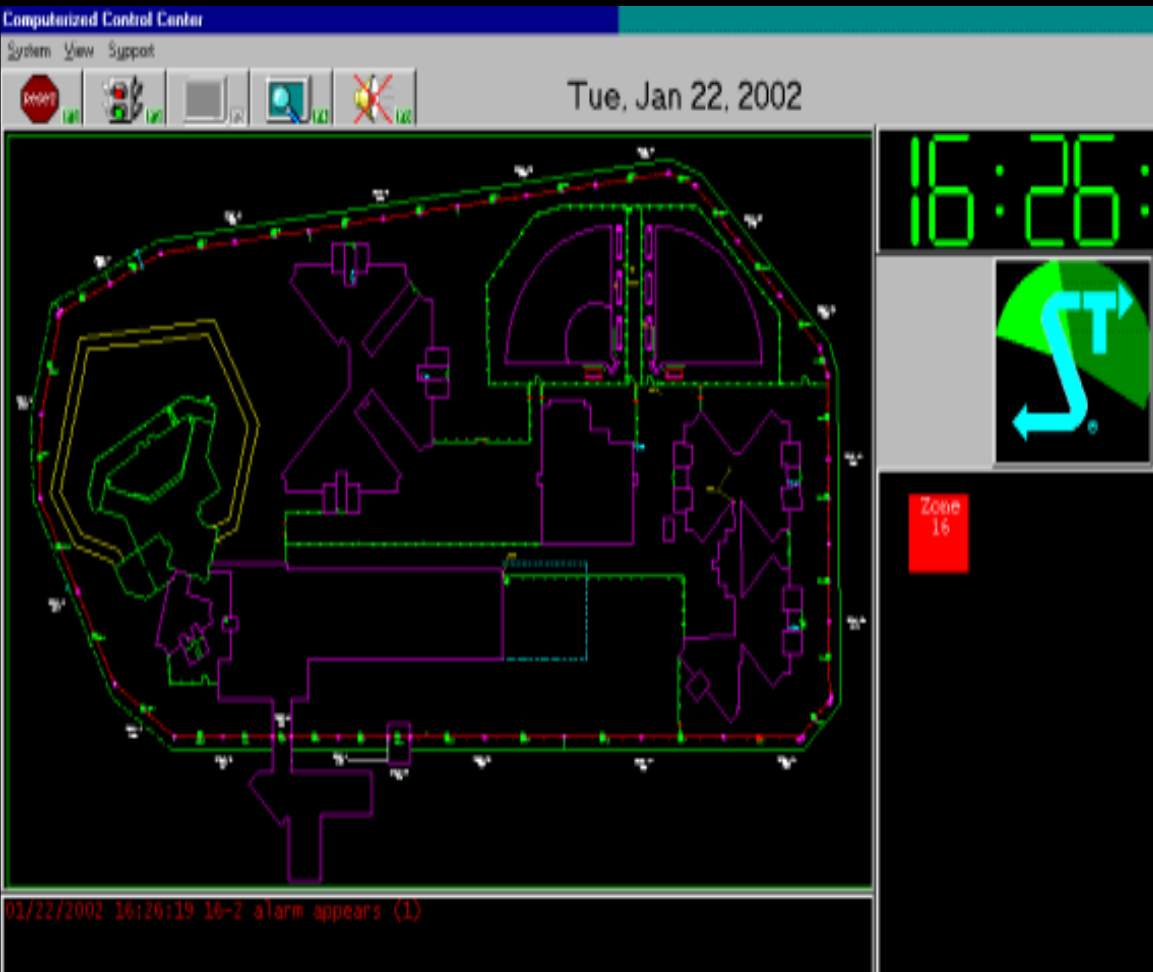


Perimeter Control Center

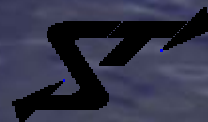
Computerized Control Center

System View Support

Tue, Jan 22, 2002

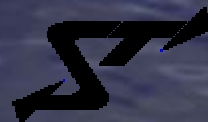
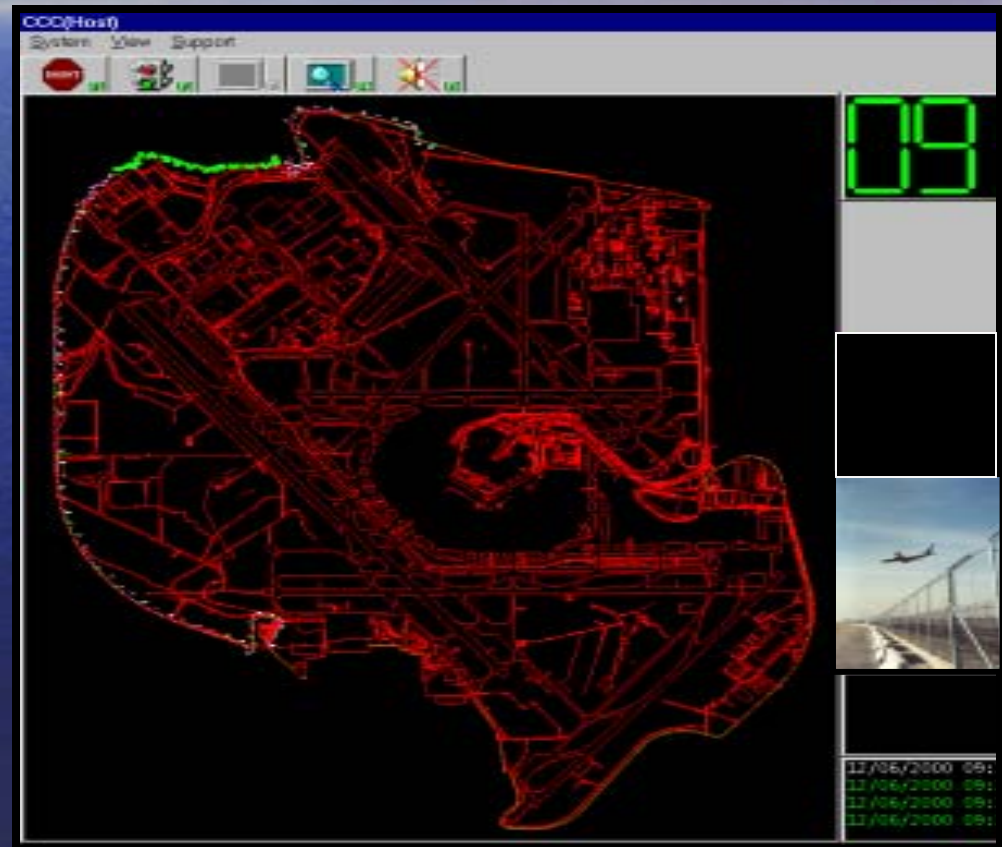


01/22/2002 16:26:19 16-2 alarm appears (1)



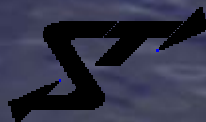
Perimeter Control Center

- Multiple System Data Processor/ Graphic Display
- Alarms, & Reports in Real Time
- Monitors all Safeguards Systems



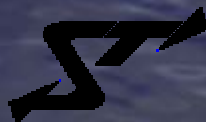
Perimeter Control Center

- Alarm Assessment Enables Quick Identification of Exact Threat Location and Method
- All Occurrences are Recorded on Hard Drive and Printer
- User Friendly
- Can Control Endless Alarm Inputs
- Single Control Unit controls up to 100,000' when used with DTR Taut Wire
- Can Operate With Hot Backup / Slave
- Communication Via RS 422/ RS232 Copper/Fiber Optic

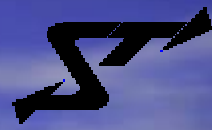


Perimeter Control Center

- **Graphic Custom Designed to Site**
- **Single Screen for Text, Graphic and Video**
- **Standard Procedures Enforced by System**
- **Supervision Hierarchies**
- **Multiple Alarms Handled According to Predetermined Hierarchy**
- **Can Control Different Types of Sensors**
- **Constant Self Test of all Electronic Components**
- **Single Cable Cut Self Healing Effect Communication**



PCC At Chicago O'Hare International Airport



CCC(Host)

System View Support

HOST

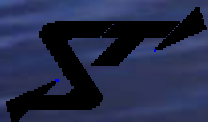
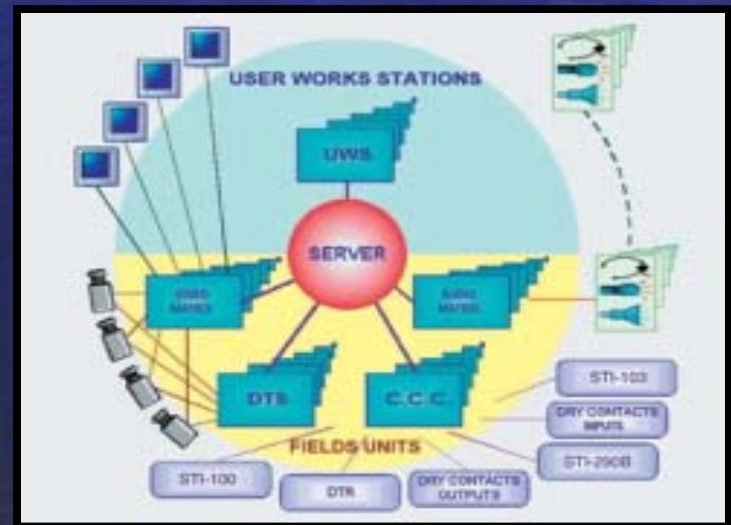
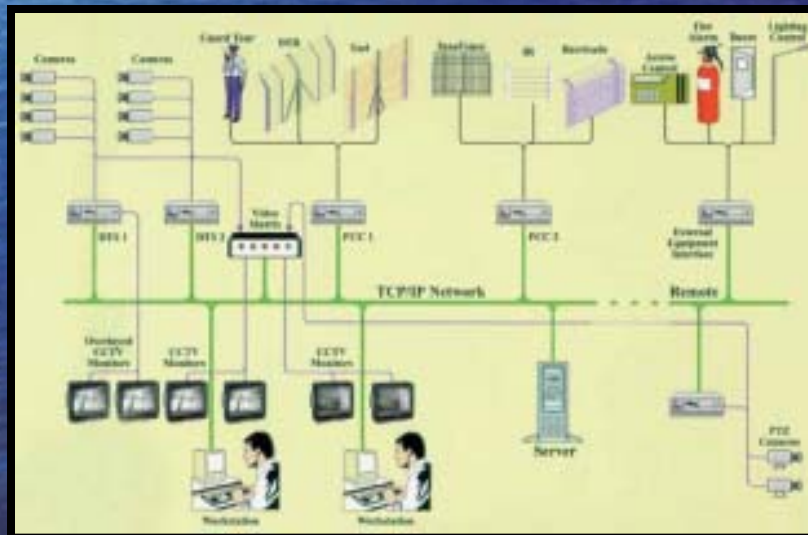
09:13:34



```
12/06/2000 09:13:30 system operator "00"  
12/06/2000 09:13:24 Synoptic map line created  
12/06/2000 09:13:24 Backup line created  
12/06/2000 09:13:23 Field line "COM6:" created
```

STI-MagNet Management System

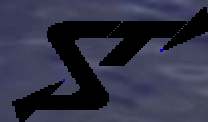
Total Control from Anywhere.....



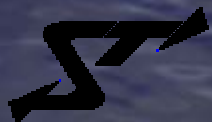
STI-MagNet Management System



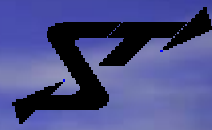
- **Advanced Real Time Control & Display**
- **Integrate a Wide Array of Security Devices on a Windows Platform**
- **GUI allows Multiple Operators with Hierarchical Multi-Level Operation**
- **Control Large Number of Sensors with no Distance Limitation**
- **Live Video using TCP/IP Protocol**
- **World wide Access from one Location**



STI – 3010 Mobile Map Graphic Display System



STI – 3010 Mobile Map Graphic Display System



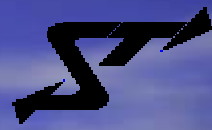
- Integrate with Perimeter Intrusion Detection Systems
- Constant Supervision
- Checked for Accuracy
- Lamps Indicate Loss of Communications
- 64 Independent Alarm Signals / 8 per unit
- Hand Held Receiver Available



STI – 3050 Wall Mounted Annunciator Map

- Custom Made
- Highly Accurate Graphic Site Display
- Allows Security Personnel to Effectively Respond to Alarm Conditions
- LED Status Lights
- Non-Glare Graphic Surface





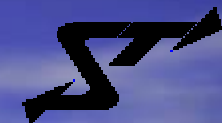
Products

Covert Cameras

- Memo Cam Series
- NetEye Gold & NetEye Lite
- Video Shield
- D – CAM Series Covert Camera



MemoCam Series Digital CCCTV System

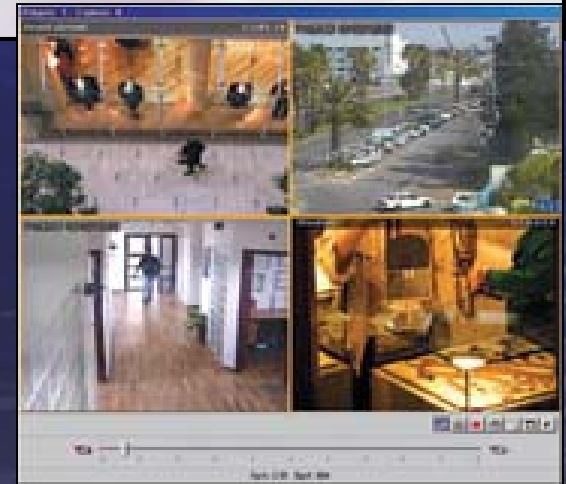


- Compact Covert CCTV Replaces Cumbersome Traditional Camera
- Automatically Records on Memory Card following an Alarm
- Video Motion Detection for Specific Areas
- Excellent for "Nanny Watch", Hospitals, Offices & Commercial



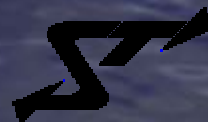
NetEye Series Stand Alone Digital CCTV Transmitters

- Ideal for Any Surveillance Application where Monitoring & Alarm Verification is Needed
- Control by Computer
- Cost Effective
- Auto Pre & Post Event Recording
- Easy Search & Playback
- High Quality
- Multiple Camera Inputs



Video Shield Digital Based CCTV

- For Video & Audio Surveillance, Hard Disk Recording & Playback
- Watch Live from your Computer
- Access thru Telephone, ISDN or Cellular & TCP/IP – LAN
- Multiple Cameras/ Audio Inputs
- Automatic Recording or Alarm Transmission
- Great “Watch-Dog”



DCAM Series Covert Cameras



- High Quality, High Sensitivity Pinhole Cameras
- Smart Timer for Optimal VTR Activation
- Stable Picture
- Effective Alarm Verification
- ASIC based Electronics
- Excellent in low light
- Lens Camera
- Fitted with Power & Video Cables for Simple Installation



Thank You

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