



MANUFACTURER OF PERIMETER  
INTRUSION DETECTION SYSTEMS  
FOR CRITICAL INFRASTRUCTURE SITES





## LEADER IN PERIMETER PROTECTION AT YOUR SERVICE

With 40 years of experience and more than 12,000 miles (20,000 km) of installed systems, PROTECH is an established manufacturer and recognized expert in perimeter intrusion detection systems and a key player in the global security market.

Technologies developed and marketed by our teams and subsidiaries in the USA, Canada, France and Belgium include the full range **intrusion detection technologies**:

- **Active infrared barriers** (invisible fences)
- **Fence-mounted intrusion detection systems** (accelerometer technology)
- **Dual-technology motion sensors** (passive infrared and doppler microwave/radar)
- **Video analytics for detection and tracking**

Our highly innovative, robust systems come in wireless, wired and solar-powered options.

### SERVICES OFFERED

#### ■ SITE SURVEYS

Our technical team will review your specific requirements and recommend the technologies and products best suited to your project.

#### ■ TECHNICAL TRAINING

To help you master your chosen technologies, we offer training sessions for your installation and maintenance staff. Ask about our Certified Integrator Program training conducted at your facility or at our headquarters in Reno, Nevada.

#### ■ COMMISSIONING ASSISTANCE

PROTECH's systems come with a 24-month warranty with an additional 12 months extended when commissioning is provided. (24+12).

#### ■ HOTLINE

Technical assistance is available to help you diagnose problems and guide you through the proper procedures. You can contact our technical team Monday through Friday, from 7:00am to 4:30 pm (PST).

## CUSTOMIZED INTRUSION DETECTION SOLUTIONS FOR ALL APPLICATIONS

### UTILITIES

Electrical sub-stations, water treatment, power production, telecommunications, waste recycling



### MILITARY, CORRECTIONS

High security sites, military bases, detention and short term incarceration centers



### LOGISTICS & TRANSPORTATION

Logistic platforms, car dealerships and car fleets, sea ports, airports, railway networks and depots



### INDUSTRY

Production sites, agri-food, petrochemical, pharmaceutical



### SERVICES SECTOR

Administration buildings, corporate headquarter offices, data centers



### ENERGY

Energy production sites, nuclear power plants, solar farms



### VIP, MUSEUMS, GALLERIES

Villas & historical sites



### RETAIL & LEISURE

Establishments open to the public, shopping centers, amusement parks



# INNOVATIVE PRODUCTS FOR SECURING PERIMETERS OF CRITICAL INFRASTRUCTURE SITES

Protech offers five (5) technologies to protect a wide range of applications depending on the level of security required.

Every technology has its own strengths, technical specifications, and installation requirements.

As each project is unique so is each solution. PROTECH will share its expertise based on a full site survey to recommend the best technology or mix of technologies to avoid costly unwanted surprises.

Innovative and unique to the industry products will meet any conditions with the required security level.



## INTRUSION DETECTION USING ELECTRONIC BARRIERS

### 1 ACTIVE INFRARED BARRIERS

Active infrared barrier technology features emitting cells that produce invisible beams of infrared light. Receptor cells detect and process the beams being received. If someone passes through one or several beams, an alarm is triggered.

BIRIS II  
MINIRIS II  
MIRIS 3100  
MAXIRIS 3000/3100  
SOLARIS  
APIRIS  
PORTALIS

## INTRUSION DETECTION USING VOLUMETRIC SENSORS

### 2 BI-STATIC MICROWAVES

Microwave technology consists of a transmitter creating a directional electromagnetic field, and a receiver that detects and analyzes changes in this field upon an intrusion in the zone.

Through the emitting and analysis of a very high frequency radio wave, movements and breaks in the wave cause an alarm.

PROWAVE

## INTRUSION DETECTION USING OBJECT DETECTION & TRACKING

### 5 VIDEO ANALYTICS WITH THERMAL DETECTION

Depending on the site configuration and level of security required in the detection area, intrusions detected by software trigger an alarm. One Track software embedded in the camera network will cause an alarm with selective intelligence when an intruder or object is detected, then tracks them automatically in the designated area.

ONE TRACK

## INTRUSION DETECTION USING FENCE OR WALL MOUNTED SYSTEMS

### 3 ACCELEROMETER DETECTION CABLES

Detection cables with accelerometer technology-based sensors are connected to a control unit. Climbing, cutting or lifting attempts are detected by the sensors and transmitted to the control unit to trigger an alarm. Sensor sensitivity can be adjusted individually for sites with varying requirements.

G-FENCE 3000  
G-FENCE 600 SERIES  
G-WALL

## INTRUSION DETECTION USING MOTION SENSORS

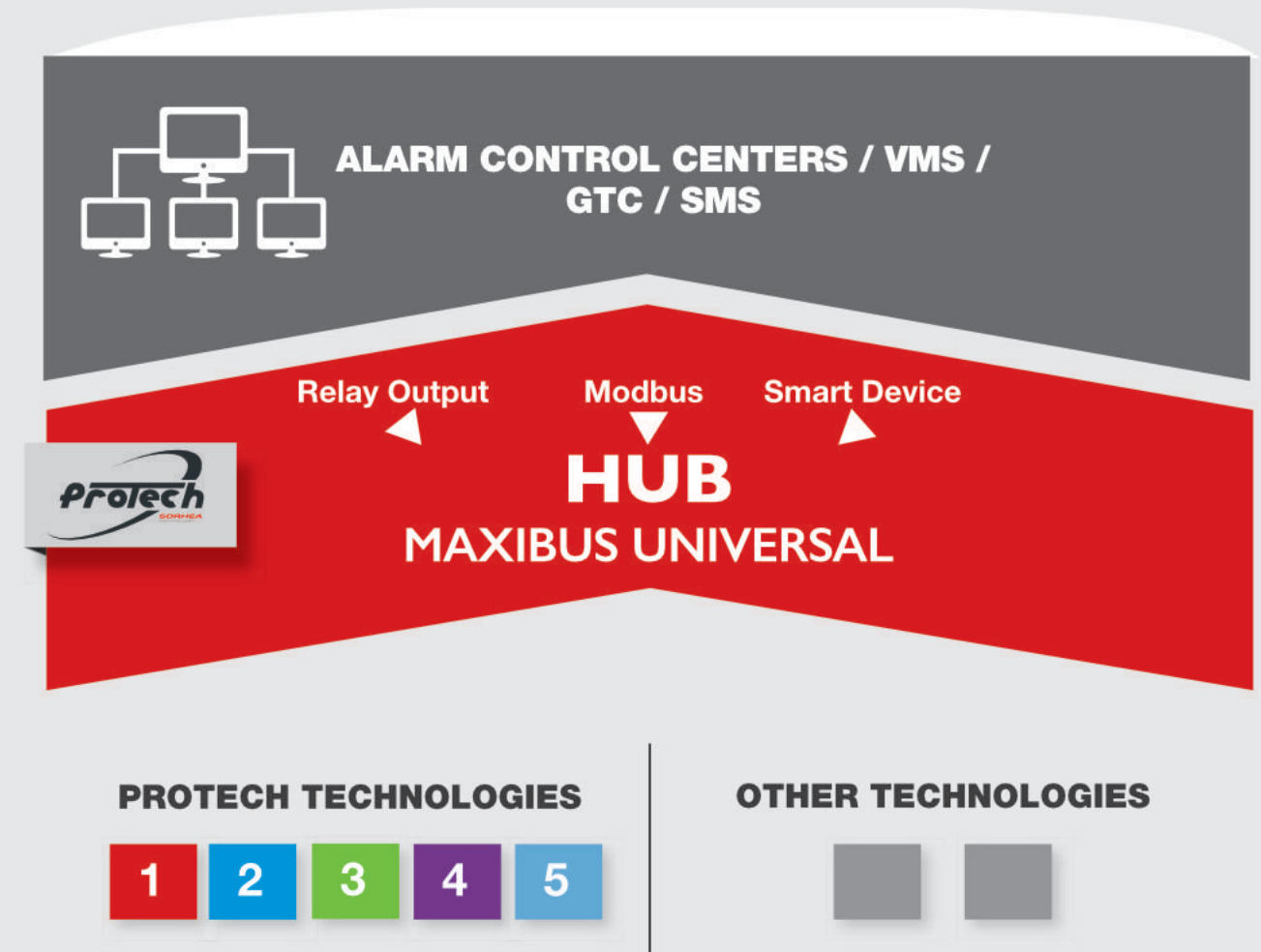
### 4 DUAL TECHNOLOGY DETECTION SENSORS

Dual technology systems are composed of a passive infrared sensor and a Doppler microwave antenna that create a detection zone. When an intruder goes through the zone, both technologies detect and an alarm is triggered.

PIRAMID XL-2  
PIRAMID LT  
PIRAMID XL-MIL  
PIRAMID EX  
PIRAMID CONNECT

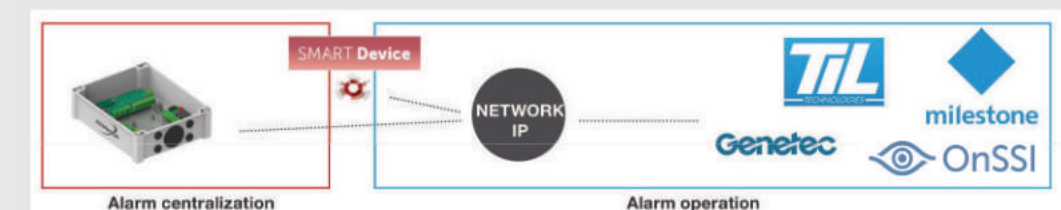
## CENTRALIZATION OF ALARM INFORMATION

Maxibus Universal from PROTECH is a hub that centralizes alarm information coming from PROTECH's products and third-party systems and communicates seamlessly with various alarm operating systems (VMS, GTC, control centers, SMS).



Maxibus Universal interfaces with alarm operating systems through:

- **Relay output** (dry contacts)
- **ModBus protocol** (RTU or TCP)
- **Smart Device**, PROTECH's VMS gateway (Genetec, ONSSI, Milestone, and other leading VMS platforms)



# OUR **SALES** TEAM

## **PROTECH**, an International Presence

### **US Headquarters**

#### **PROTECH**

529 Vista Blvd.  
Sparks, Nevada, USA 89434

Phone: +1 775-856-7333

Fax: +1 775-856-7658

[www.protechusa.com](http://www.protechusa.com)

#### ■ **SALES**

[sales@protechusa.com](mailto:sales@protechusa.com)

Toll Free: +1 800-428-9662

### **Canadian Headquarters**

#### **PROTECH VIDEOWAVE**

7493 Trans-Canada Highway  
Suite 103  
St.-Laurent, Quebec H4T 1T3

Phone: +1 514-789-0874

Fax: +1 514-789-0878

[www.protechvideowave.com](http://www.protechvideowave.com)

#### ■ **SALES**

[info@protechvideowave.com](mailto:info@protechvideowave.com)

Toll Free: +1 855-789-0820

