



**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## SECURITY SOLUTIONS FOR AIRPORTS



Security solutions for all industries



**BEN-GURION INTERNATIONAL AIRPORT OF ISRAEL**

Israel's Ben Gurion International Airport  
One of the most secure facilities in the world  
Protected by our electronic fencing system





**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## COMPANY PROFILE

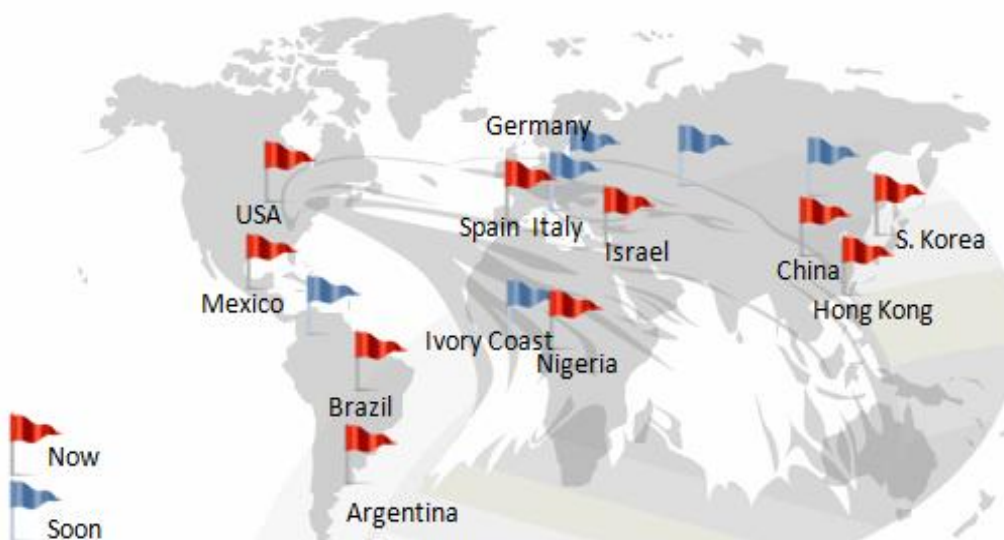
- Founded in 1995
- Design, development, manufacture, marketing and installation of state of the art perimeter security & intrusion detection systems implemented with the latest technology
- Systems with **Zero False Alarms**
- Integration capabilities
- “Shoot and forget” systems – No maintenance required
- Turn Key projects
- Global network of distributors



Security solutions for all industries



## Geographic development





**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## MAIN FIELDS OF ACTIVITY



OIL AND GAS



INDUSTRIAL



STRATEGIC INFRASTRUCTURE



PRIVATE HOMES



TRANSPORTATION



HIGH-RISE BUILDING  
COMPLEXES



AIRPORTS



Security solutions for all industries



## Solutions



PIDS



CONTROL  
CENTER



AUTOMATIC  
GATES



PRE-ALARM  
DETECTION



Intruder



Analytics



BALLISTIC &  
BLAST  
PROTECTION



ELECTRONIC  
FENCES



**Avogadros & Pythagoras Ltd** RC: 1470561

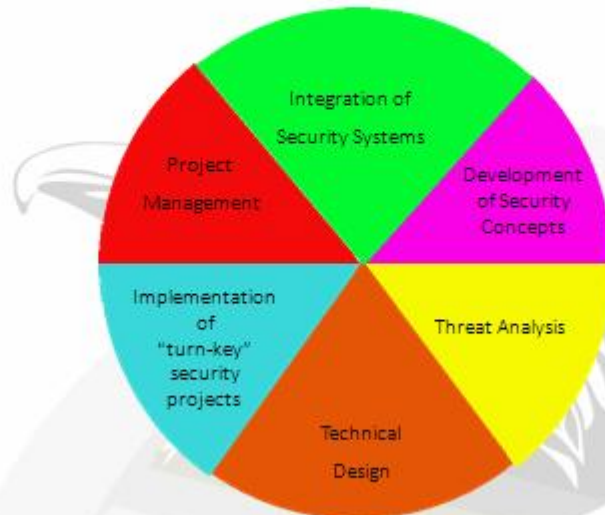
•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## Main Company Services



Security solutions for all industries



## Our Main Asset: The Know How

- ✓ To offer our clients "Total Security Solutions"
- ✓ To determine the security concepts
- ✓ To custom tailor security solutions to specific operational needs of our clients
- ✓ To design "state of the art" integrated security systems
- ✓ To protect variety of different objects and installations



**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## What we offer

- ✓ **Pre-project Studies:** risk assessment, security design, system design
- ✓ **Command & Control:** for real time decision making create real time awareness of all operations, security and personnel situation
- ✓ **Implementation:** choice of equipment, tender preparation, project management, supervision, turn-key, training & simulations
- ✓ **Project execution** from consulting to turn-key
- ✓ **Achieve security goals**



Security solutions for all industries



## The Process

- ✓ **Diagnosis of the current situation**
- ✓ **Threat & Vulnerability assessment**
  - Location, risk type of threat etc.
  - Value of protected assets
  - Implication of damage to assets
- ✓ **Scenario prioritization**
- ✓ **Security Strategy**
- ✓ **Security Plan:** personnel, equipment, procedures
- ✓ **Detailed design**
- ✓ **Implementation**



**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## Specialization in airports

1. Perimeter Intrusion Detection System
2. Outdoor and Indoor Alarm systems
3. Video Motion Detection systems
4. CCTV systems
5. Digital Video Recording systems
6. Access Control systems
7. Guard Tour Control systems
8. Public Address systems
9. Communication networks for security systems



Security solutions for all industries



## Typical requirements for Airport Security are:

- **Perimeter Intrusion Detection System**
  - Detects any acts of Intrusion
  - Records such acts using cameras
- **Automatic Gate Protection systems.**
  - Crash rated automatic Bollards
  - Crash Rated Boom Barriers
  - Tire Killers
  - Under Vehicle Inspection system
- **Access Control System**
  - Primary level of access approval for all occupants
- **Blast, ballistics & Forced Entry Protection**
  - Protection against casualties due to Blast effect, Bullets etc.
- **CCTV Surveillance System**
  - Surveillance of the vulnerable points in the compound – D-Fence's systems connect and fully integrate with any CCTV system
- **Command and Control Room**
  - Integration of all elements of security into one control center





**Avogadros & Pythagoras Ltd** RC: 1470561

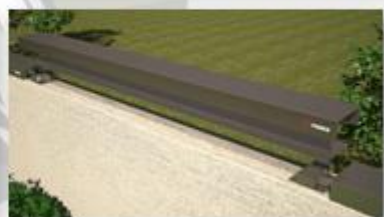
•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries.



## Perimeter Intrusion Detection Systems (PIDS)





**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## Perimeter Intrusion Detection Systems (PIDS)



Security solutions for all industries



## Automatic Gate Protection systems



**Bollards**



**Gates and Barriers**





**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## Security Management Software (SMS)



Security solutions for all industries



## Deployment & Procedures

Integrate your entire estate of existing security assets & sensors

Integrate multiple disparate solutions

Develop a centralised Command and Control infrastructure

Increase situational awareness

Significantly reduce costs of manned guarding

Seamlessly deploy new technologies that support risk reduction and promote a more secure environment

Remove technology dependencies on specific products and vendors, reducing costs



Security solutions for all industries



## Integration with External Systems

D-Fence's systems have been developed under an "Open-Design" concept that allows them to be fully connected, integrated and in seamless communication with any and all other security systems like CCTV, access control, alarms, security lights, etc. The connection and integration can be done by IP communication or by way of Dry Contacts.

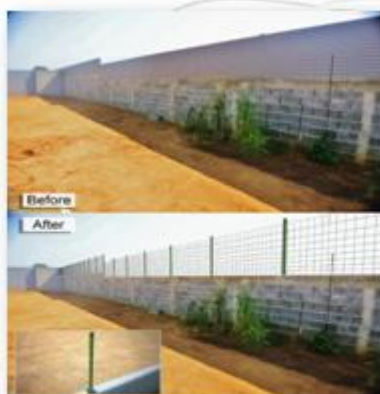


Security solutions for all industries



## Upgrade of existing fences and walls

The "Open-Design" concept of D-Fence's systems allows them to be very flexible for them to be installed and implemented into any existing wall or fence. D-Fence's systems have the capability to Upgrade any simple fence or any wall into an intelligent Electronic Intrusion Detection System with no changes to the existing infrastructure.





**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## Process Guidance & Crisis Management



An alarm is triggered from the PIDS

START

1



The nearest camera automatically pans to the location of the alarm

2



IPSecurityCenter's on-screen Process Guidance asks the operator to instantly verify the incident using live video  
A security risk is identified, the operator is prompted to confirm the incident from the provided list

3



The Control Center has constant communications with the response team, ensuring real-time guidance to manage the incident based on standard operating procedures (SOPs)

4



The incident is rapidly resolved using these SOPs which ensure compliance to organizational and government instigated policies for risk mitigation  
An incident report is automatically generated

END



Security solutions for all industries



## Experience – Case Studies

**Ben Gurion International Airport - Israel. Year: 2005, Size: 6,500 Mts.**





**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## Experience – Case Studies

Yang Yang International Airport- South Korea Year: 2002, Size: 3,500 Mts.



Security solutions for all industries



## Experience – Case Studies

Yeo Soo International Airport- South Korea Year: 2002, Size: 4,000 Mts.





**Avogadros & Pythagoras Ltd** RC: 1470561

•MARINE EQUIPMENT •SOLAR • SECURITY• TELECOMS• REAL ESTATE •OIL & GAS•



Security solutions for all industries



## Advantages of D-Fence's Perimeter Security Systems

- **Cost-effective:** We can custom adapt the perimeter protection system that fits best to the client's needs and budget
- **Zero False Alarms:** Our systems are designed to be very reliable and are not affected by vegetation, animals, weather conditions, slight movements of the terrain, RF transmissions or any other environmental factor in the area.
- **Flexibility:** They can be installed or applied to existing walls and fences.
- **Durability:** The systems are robust and designed to last for a very long time. They require a minimum amount of maintenance and are what we call "shoot and forget" systems.
- **Open-Design:** We tailor-design each system according to the specific needs of the client and we are not closed or limited by pre-fabricated systems.
- **Integration:** Our systems can be fully integrated between them and also with other security systems like cameras, home alarms, security illumination, etc.



Security solutions for all industries



## Representative Clients

- Ben Gurion International Airport, Israel
- Gaza Strip – Israeli Border
- Government Installations (Classified), Israel
- Beit Berl Town, Israel
- Military Base No. 24, South Xinjiang Province, China
- Military Base No. 27, South Xinjiang Province, China
- Yang Yang and Yeo Soo International Airports, South Korea
- Laguna Verde Nuclear Power Plant, Mexico
- CCC Norte II Chihuahua Electrical Sub station, Mexico
- Centro Morelos 264 Electrical Sub station, Mexico
- Several Installations belonging to PEMEX, Mexico
- Several Installations Belonging to CFE, Mexico
- Izcalli Park Industrial Complex, Mexico City, Mexico
- L&T Installations, Chennai, India
- Vodaphone Telecom Cellular Antennae Installations, Portugal
- Cerrejon – Puerto Bolivar Coal Mines, Colombia
- TV2 Building, India
- Haifa Port, Israel
- Motu Tane Island Resort, Bora Bora, French Polynesia
- Several private homes of VIP's in Israel
- Among many others



**Tel: +234-8038471737, +234-807-202-2722, +234-802-555-4430, +234-817-570-2206**