

Billy Pullen

Presenting:

Empowering Perimeter Security

Different Systems for Different Scenarios

1. Physical Barriers
2. Fences
3. Fence Sensors
4. Lights
5. Beams / Infrared Detectors
6. CCTV Systems
7. Thermal Imaging Cameras
8. Microwave Barriers
9. Ground Sensors



10. NLEF
11. Radar Systems
12. Laser Scanners
13. Acoustic Sensors
14. Drone Surveillance
15. Buried Cable Detection Systems
16. Fiber Optic Systems
17. Taut-wire Fencing
18. Access Control



Courtesy of www.JVA-USA.com

Perimeter Security Systems Evaluation

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Description		Not Listed	Point to Point Beams	Passive Infra Red Beams	Closed Circuit Television	Thermal Imaging CCTV	Chainlink Fencing & BW	Lights & Sensor Lights	Microwave/Radar Detection	Low Voltage Monitored	High Voltage Monitored Fence	Electromesh Monitored Fence	Palisade/Fabricated Steel Fencing	Vibration/Acoustic Monitoring	Fibre Optic Monitoring	Razor Wire Fencing	Taut Wire Fencing	Brick/Concrete Wall 6 ft+	Precast/Wood Panel Fence	Guard Dogs, Ostriches etc.
Item	Site Evaluation																			
1	Demarcation		0	0	0	0	5	0	0	5	5	5	5	5	5	5	5	5	5	5
2	Deflection		0	0	1	1	3	1	0	5	5	5	4	3	3	4	3	5	4	5
3	Deterrence		0	0	2	2	4	2	0	4	5	5	3	2	2	4	3	4	4	5
4	Detection		5	5	5	5	0	3	5	5	5	5	0	5	5	0	5	0	0	4
5	Delay		0	0	0	0	4	0	0	4	5	5	4	4	3	4	3	5	4	5
6	Durability		3	3	3	3	5	4	4	4	4	4	5	5	4	5	4	5	5	2
7	Identification Ability		0	0	4	3	0	2	0	0	0	0	0	0	0	0	0	0	0	1
8	Maintenance Required **		3	3	3	3	5	3	4	2	2	2	5	3	4	5	3	5	5	0
9	System Cost **		5	5	2	0	3	4	1	3	3	1	1	2	0	4	2	0	0	0
TOTAL			16	16	20	17	29	19	14	32	34	32	27	29	26	31	28	29	27	27
Ranking			2	2	6	3	8	4	1	10	11	10	6	8	5	9	7	8	6	6

Score is 0 to 5 - 5 is the best score

** Score is 0 to 5 - 0 is the best score



Courtesy of www.JVA-USA.com

Perimeter Security Systems Evaluation

- Weighted Ranking
- Point to Point Beams
- Passive Infra Red Beams
- Closed Circuit Television
- Thermal Imaging CCTV
- Chainlink Fencing & BW
- Lights & Sensor Lights
- Microwave/Radar Detection
- Low Voltage Monitored Fence
- High Voltage Monitored Fence
- Electromesh Monitored Fence
- Pallisade/Fabricated Steel Fencing
- Vibration/Acoustic Fencing
- Fibre Optic Monitoring
- Razor Wire Fencing
- Taut Wire Fencing
- Brick/Concrete Wall 6 ft+
- Precast/Wood Panel Fence
- Guard Dogs, Ostriches etc.

Description																				
Item	Site Evaluation																			
1	Demarcation	5	0	0	0	0	25	0	0	25	25	25	25	25	25	25	25	25	25	25
2	Deflection	2	0	0	2	2	6	2	0	10	10	10	8	6	6	8	6	10	8	10
3	Deterrence	4	0	0	8	8	16	8	0	16	20	20	12	8	8	16	12	16	16	20
4	Detection	5	25	25	25	25	0	15	25	25	25	25	0	25	25	0	25	0	0	20
5	Delay	3	0	0	0	0	12	0	0	12	15	15	12	12	9	12	9	15	12	15
6	Durability	4	12	12	12	12	20	16	16	16	16	16	20	20	16	20	16	20	20	8
7	Identification Ability	2	0	0	8	6	0	4	0	0	0	0	0	0	0	0	0	0	0	2
8	Maintenance Required **	3	9	9	9	9	15	9	12	6	6	6	15	9	12	15	9	15	15	0
9	System Cost **	4	20	20	8	0	12	16	4	12	12	4	4	8	0	16	8	0	0	0
TOTAL			66	66	72	62	106	70	57	122	129	121	96	113	101	112	110	101	96	100
Ranking			3	3	4	2	8	3	1	13	14	12	6	11	9	10	10	7	5	6

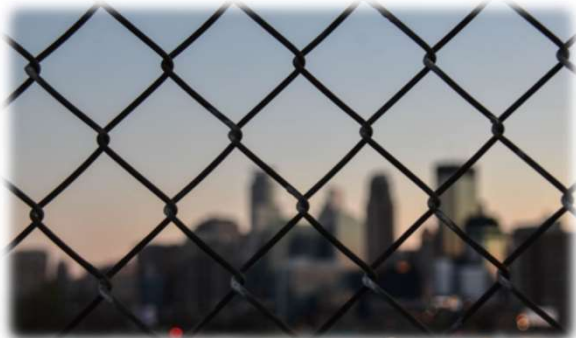
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** Score is 0 to 5 - 0 is the best score

EVALUATION

Perimeter Security System : Key Factors

1. Risk Assessment
2. Level of Security Required
3. Integration with Existing Systems
4. Technology, Equipment & Resultant Action
5. Cost & Budget



6. Local Regulations & Compliance
7. Environmental Factors
8. Scalability & Flexibility
9. Aesthetics & Community Impact
10. User Training & Ease of Use

Intruder Detection Systems : Consider the Following:

1. Detection Accuracy
2. Communication Method & Destination
3. Integration with Other Systems
4. Redundancy
5. Management Requirements
6. Regulations & Compliance



(NLEF) Non-Lethal Electrified Fencing : Facts

1. Non-Lethal
2. How it Works
3. Regulated
4. Litigation
5. Effective



Create a Method of Procedure (MOP)

1. Scope & Purpose
2. Target Audience
3. Procedures in Detail
4. Compliance & Safety Standards
5. Drawing, Diagrams & Illustrations
6. Tools, Spare Parts & Troubleshooting Guides
7. Procedures, Reports & Revisions
8. Training Manuals & Certifications of Equipment & Personnel
9. Data Records
10. Devise a Personal Plan for/with The Client



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Thank you