

High performance systems

PRISONS | Use case

Federal correctional facilities and state prisons

The CIAS Perimeter Security Systems are deployed in a large number of federal and state prisons across the USA. Due to the confidential nature of the projects, we cannot disclose locations, however, we can share the technologies being deployed at these high-risk sites... in a layered approach.

Microwave barriers (MURENA PLUS and ERMO 482X PRO from CIAS) are ideal solutions for sally ports and as an additional layer of protection between inner and outer fences on the prison perimeter.

))) The requirement

Correctional facility perimeters need protection from the inside – out to prevent escapes, intrusions and incoming contraband. Because these high-risk sites deploy various technologies, detection technologies need to seamlessly communicate with existing monitoring systems for ultimate surveillance.

Prevention against escape attempts such as scaling a wall or rooftop (with knotted sheets for example) or cutting through bars, require an exceptionally

high-performance perimeter protection and alarm system. High performance systems need to deliver the lowest possible false alarm rate with the highest probability of detection. Unauthorized movement inside and outside a facility is critical to prevention.

))) The challenge

Because multiple technologies will be used at a correctional facility to protect it, they must work together in collaboration. That is, they need to “talk” to one another. Many systems in the US market are nearing end of life and are older technologies so security managers are challenged in finding newer technologies that can integrate with legacy systems before they are replaced. Budgets are also a consideration.

))) The CIAS solution

For the past 50 years, CIAS Security has been protecting hundreds of prisons worldwide in the USA, Latin America, the UK and Europe.

Our experience tells us that the most suitable technologies for critical infrastructure sites are digital fuzzy logic microwaves and radar that can discriminate between a human intrusion and environmental disturbance. The CIAS digital fuzzy logic microwave technology keeps intrusion events under control with

the anti-crawl, anti-climb detection analysis. All systems are IP and PoE ready and integrate easily with all major VMS and access control platforms. They are also a cost-effective solution featuring the latest in technology, unique to the industry.



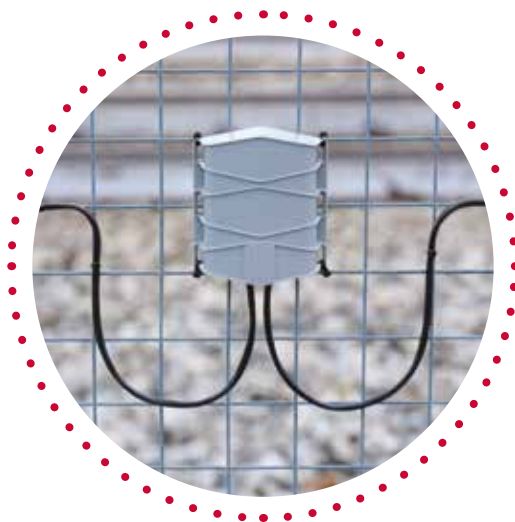
ERMO 482X3 PRO mW barrier

is the perfect intrusion system to protect high-risk sites thanks to a near-to-zero false alarm rate



MURENA Plus radar

a pure microwave sensor able to set the area and the dimension of the target to detect



SIOUX PRO2 MEMS

fence-detection system is used for any fence, usually the first external protection layer of a sensitive facility

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