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Advanced Perimeter Security

Private Cellular Networks, Edge, AI

Introduction

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Problem to Solve

Gaining visibility, reducing costs, secure assets

- Why is Edge important?

- Why is AI important?

- Why are private networks important ?

- Why is Video important ?

Advanced Perimeter Security Building Blocks

Industries
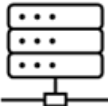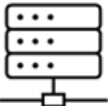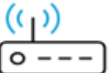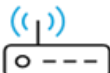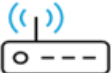
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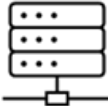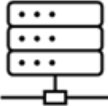
Perimeter Sensors

Near Edge

Private Networks

Far Edge

AI/ML Analytics – Edge, Cloud or DC

DELL Technologies
MULTITECH
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DELL Technologies

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Airports

Securing and optimizing

WHY:

- Enhanced Security
- Crowd Management
- Emergency Response
- Operational Control

OUTCOMES:

- Improved Security Measures & Faster Detection and Response
- Optimized Passenger Experience with Better Crowd Control
- Effective Emergency Management
- Cost Efficiency Through Less Cabling and Infrastructure
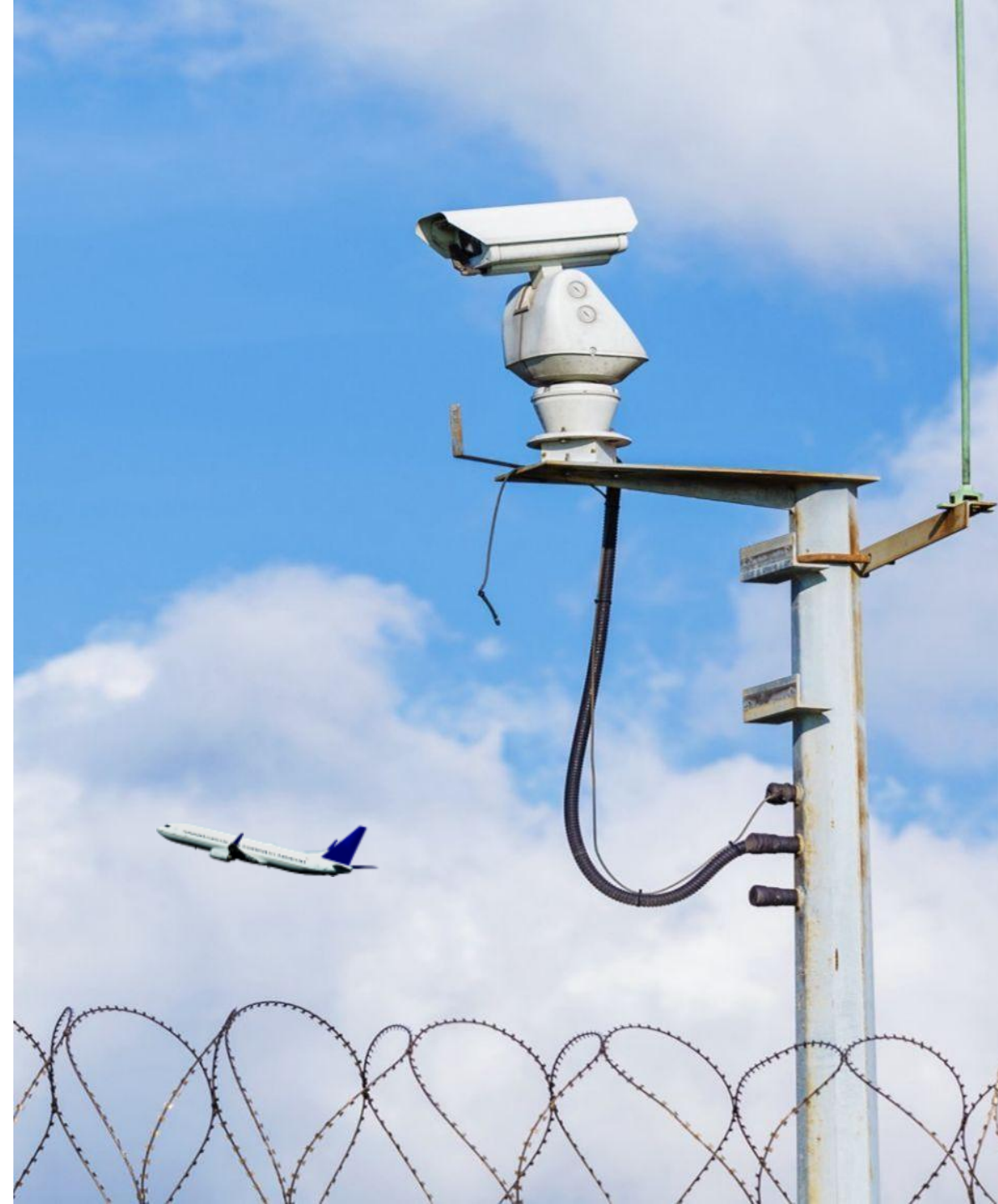
Oil and Gas

Optimizing Refinery Operations

WHY:

- Remote Monitoring in Hazardous Areas
- Asset Protection and Intrusion Detection
- Predictive Maintenance and Safety
- Operational Continuity

OUTCOMES:

- Enhanced Safety and Risk Management
- Reduced Downtime
- Lower Operational Costs with Fewer on-site staff
- Improved Asset Protection

Manufacturing

Improve Quality and Reduce Waste

WHY:

- Real-Time Monitoring

- Predictive Maintenance

- Connected and Safe Working Environment

- Enhanced Security & Intellectual Property Protection

- Process Optimization and Automation

OUTCOMES:

- Increased Operational Efficiency

- Enhanced Security and Safety Compliance

- Cost Effective Coverage - 10:1 improvement over WiFi AP's

- Cost Savings Through Predictive Maintenance and Optimized Resource Allocation

Closing thoughts

- **Gaining Visibility:** Deploy AI-driven surveillance with private 5G and edge computing for real-time monitoring and insights.

- **Reducing Costs:** Private 5G with mesh and edge computing cuts infrastructure and operational costs.

- **Securing Assets:** AI and edge computing on private 5G enable fast threat detection and low-latency response.

- **Simplified Deployment:** Choose a private 5G network pre - integrated with radios, network management, and connect to routers for existing device connectivity and a quick setup.

- **Future-Ready:** Easily scale and integrate advanced applications as they come to market, supporting evolving needs like IoT and automation.

Q&A

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