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# Detecting the unauthorised & malicious use of drones


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# Agenda – Drone Threat Management

1. Introduction
2. Basic principles of the solution
3. Benefits compared with military & radar solutions
4. Support of police & guarding agencies
5. Applications & use cases
6. Case study  - major UK regional airport

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# telent is at the heart of the UK & Ireland's best known brands

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# Introduction

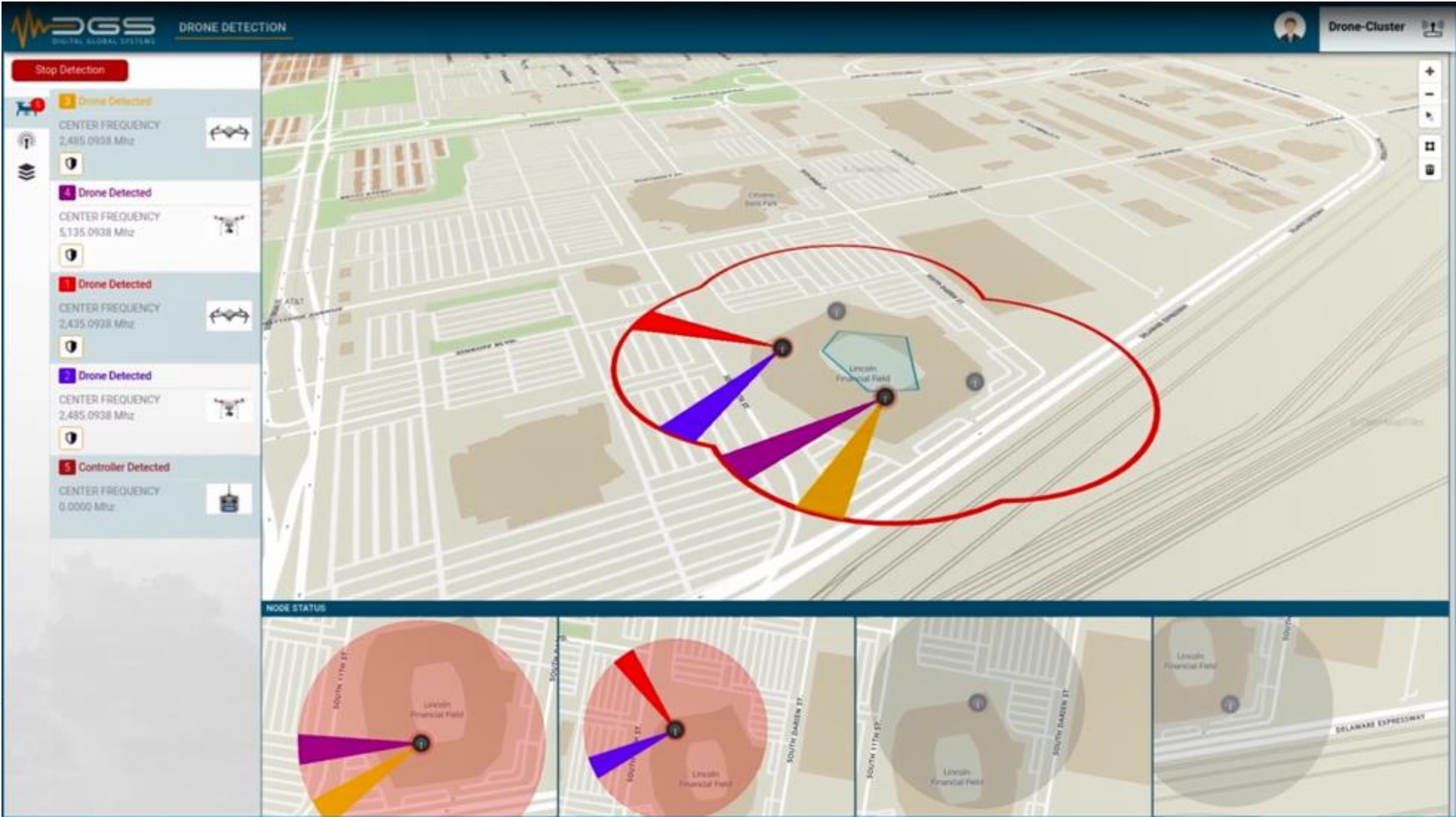
# Intelligent Wireless Monitoring

- Spectrum usage & occupancy
- Network coverage analysis
- Interference detection
- Illicit activity identification

# Solution Overview

## CLEARKSY™ Drone Threat Management

- Wideband passive RF monitoring
- Detect, identify & track drones
- Effective range of 2km+
- Can be adjusted to suit customer requirement
- Locate the drone operator
- Rapid detection <2 seconds
- Operates in “noisy” RF environments
- Private LTE intergration


DGS
DIGITAL GLOBAL SYSTEMS
DRONE DETECTION
Drone-Cluster
Stop Detection
3 Drone Detected
CENTER FREQUENCY
2,485.0938 Mhz
4 Drone Detected
CENTER FREQUENCY
5,135.0938 Mhz
1 Drone Detected
CENTER FREQUENCY
2,435.0938 Mhz
2 Drone Detected
CENTER FREQUENCY
2,485.0938 Mhz
5 Controller Detected
CENTER FREQUENCY
0.0000 Mhz
Lincoln Financial Field
NODE STATUS
SOUTH 11TH ST
SOUTH DARIEN ST
DELAWARE EXPRESSWAY

# Support of police & guarding agencies

- Integration with Command & Control environment
- telent Cloud Services – secure assured integration, connectivity& data storage
  - ESN Assure coverage testing
- Mobile application – directs officers to drone operator
- Reduces manpower-intensive searches over large areas

Company Confidential – Digital Global Systems Inc. 2018

# Benefits compared with military & radar solutions

- Easier & cheaper to deploy
- No interference with existing systems
- Minimal training requirements
- Easily integrates into control rooms
- Compliments & integrates other platforms

# Applications for Drone Threat Management

Airports & Transport Hubs

Stadiums & Public Venues

Prisons

Utilities

# Case Study – Top 10 busiest UK Airport

- 3 year contract awarded by UK regional Airport - currently under NDA
- Completed 3 month pilot project with the Airport Authority, local police & security agencies
- Integration into existing threat management protocols
- Final deployment begins later this month

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