Harnessing Technology for Enhanced Law Enforcement

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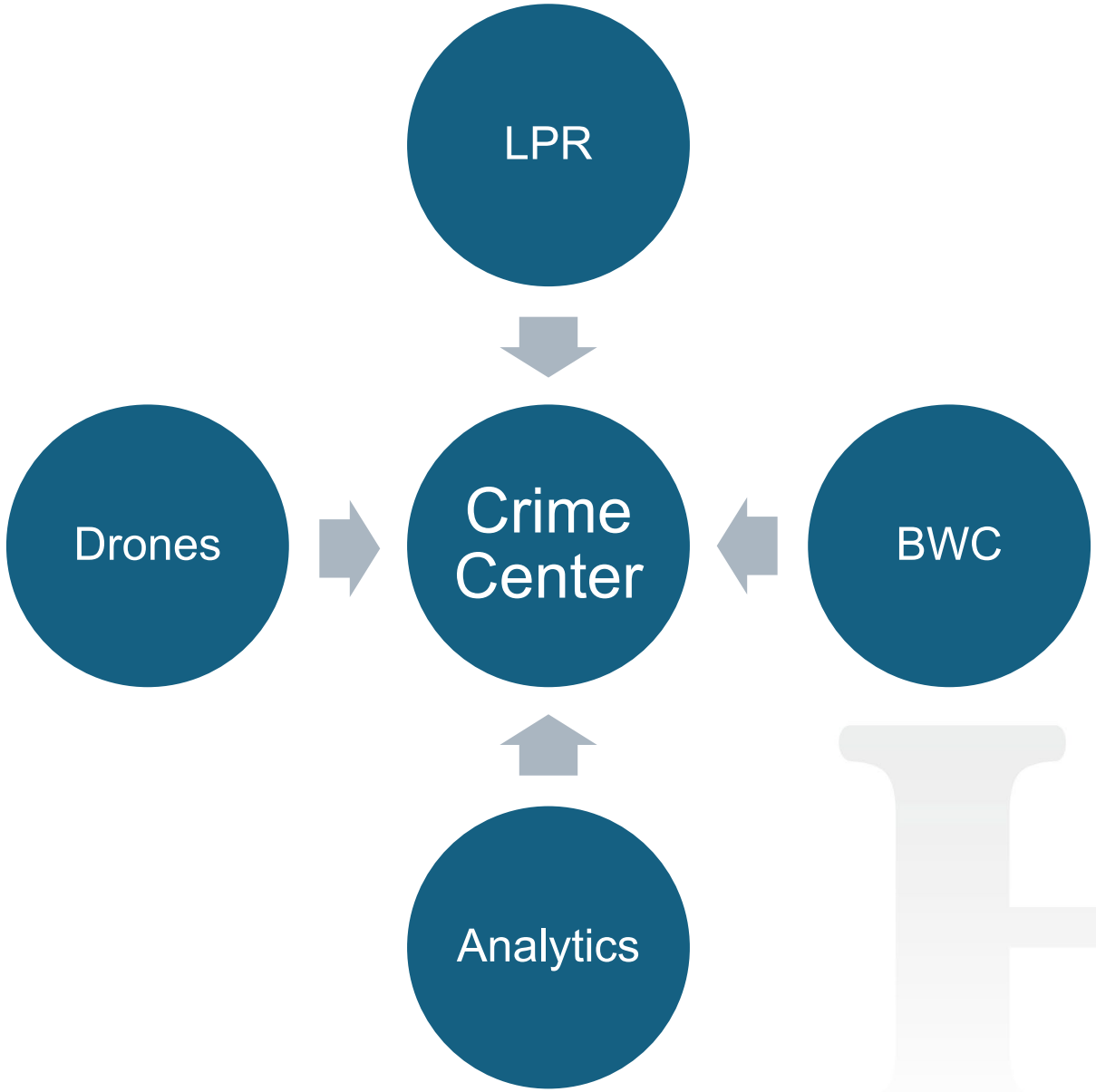
Empowering Officers with Intelligent Tools





Digital Forensics or DFU

The Herndon DFU (Digital Forensics Unit) specializes in collecting, analyzing, and preserving digital evidence from electronic devices to support criminal investigations.



<u>Devices & Data Types Handled</u>
Desktop & Laptop Computers
Mobile Phones & Tablets
Cloud Storage & Social Media
Audio/Video Files
GPS & Location Data
Network Logs & Internet History

In 2007, and revised in 2015, the General Assembly of Virginia created code section § 15.2-968.1, Use of Photo-Monitoring Systems to Enforce Traffic Light Signals.



Secure and Interconnected Community

Herndon is a secure and interconnected community.

The addition of red-light photo enforcement aligns with Secure and Interconnected Community.

Success Measures: Decrease motor vehicle accidents to support the safe conveyance of pedestrians, cyclists, and other active transportation throughout the town.

Why Red-Light Camera Traffic Enforcement

- **Cameras can significantly reduce intersection crashes.**
- **Improve driver behavior.**
- **Free up officer time for higher priority calls.**



Some statistics from The Insurance Institute for Highway Safety (IIHS)

In a 2023 AAA survey, 81% of drivers said red-light running is extremely dangerous, yet 27% admitted to doing it in the past 30 days.

21% decrease in fatal red-light-running crashes in large cities with cameras.

Red Light Photo Enforcement Cameras



- Uses a state-of-the-art camera system and the traffic signal.
- Requires signage to be posted at the intersection.
- Requires a sworn Herndon Police Officer to inspect, verify, and affirm any potential violations.

Virginia law allows jurisdictions to install red light cameras at one intersection per 10,000 residents.

However, in Planning District 8 (which includes Herndon), the limit is 10 intersections or one per 10,000 residents—**whichever is greater.**

Additional Requirements

- Requires the Town Council to pass an ordinance to allow the usage.
- Selected locations must have a traffic safety study performed.
- A private entity may own, maintain, and operate the system. Contractor's guarantee to the Town is cost-neutral or better.

- Violations reviewed and approved by a sworn law enforcement officer.
- Civil citation goes to the vehicle's registered owner.
- All data purged 60 days after collection of civil penalty.
- Annual certification of system compliance with code required.
- Signs warning of each site are required.
- Public Awareness campaign required.

Questions