

# ***GET SMART***

Using Smart Technology  
to Reduce Risks



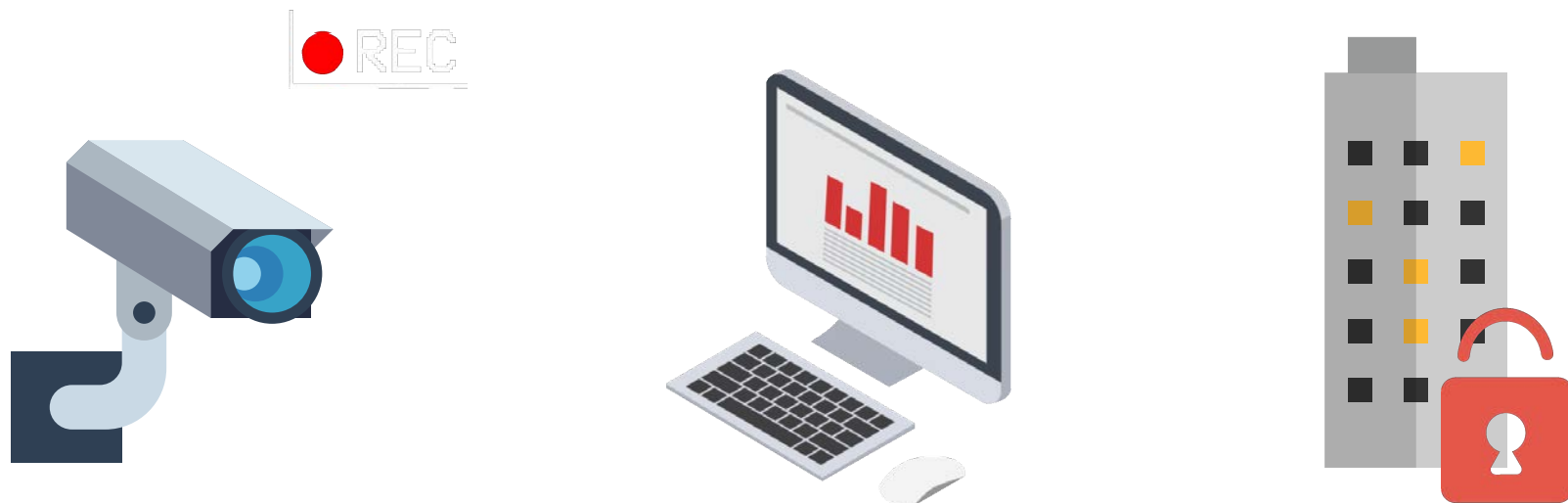
# ***SPEAKER***

## Brian Denmeade

Brian has been with Ganz / CBC America for 15 years and has also been in the security industry for more than 20 years. He has experience installing and configuring security systems, AI programs, VMS platforms, and analytics.



**BRIAN DENMEADE,  
FIELD APPLICATIONS ENGINEER**



# ***RISKS OF OLD TECH***

## in Security

1. Lack of Updates and Patches
2. Unsupported Technology
3. Incompatibility with Modern Security Standards
4. Legacy Systems Vulnerabilities
5. Limited Security Features

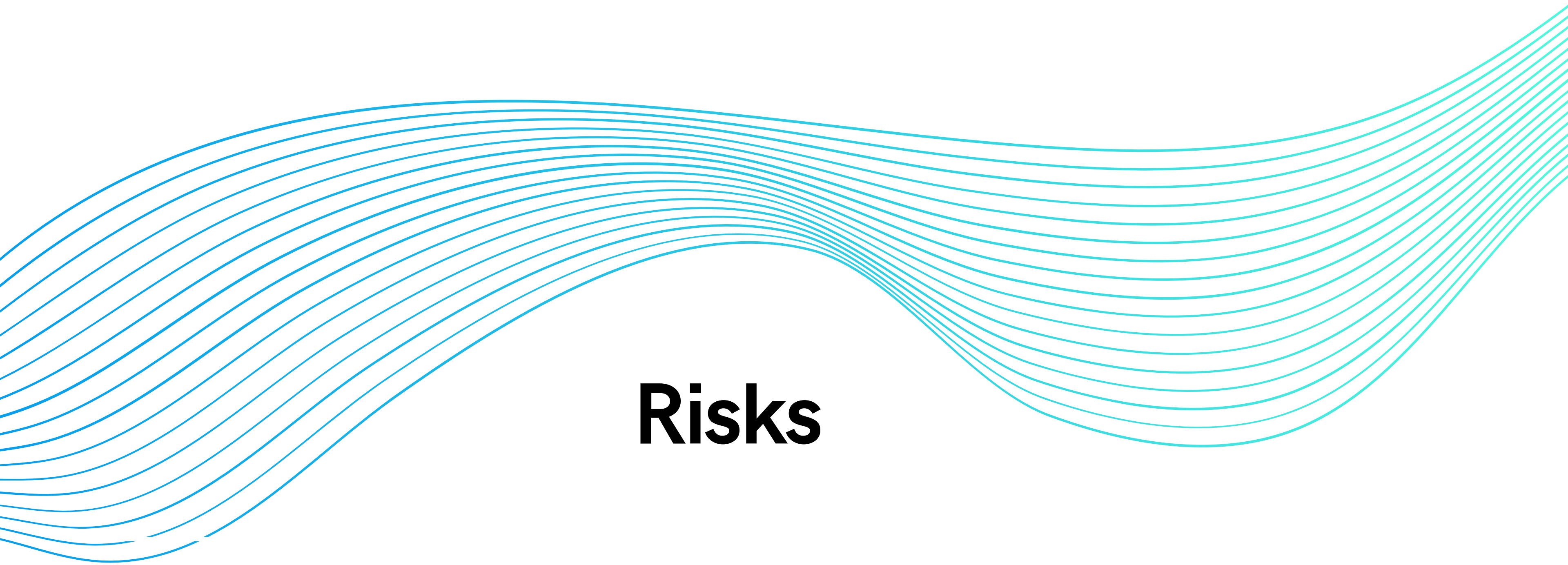


# ***SMART TECH***

to Save the Day

1. Biometrics / Access Control
2. Mobile-supported Security
3. 3D Surveillance / LiDAR
4. AI / Analytics
5. Surveillance Management Platforms





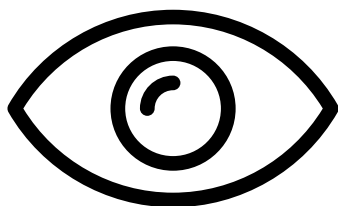
# Risks



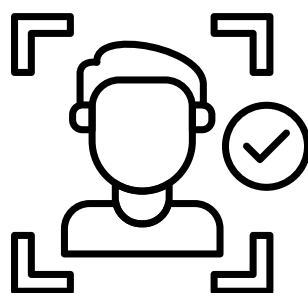
# Risks

1. Lack of Updates and Patches: Older security technology may no longer receive updates and patches from the vendor, leaving systems vulnerable to known security threats.
2. Unsupported Software: As software and operating systems age, vendors may stop providing support and security updates, making them more susceptible to cyber attacks.
3. Incompatibility with Modern Security Standards: Older security technology may not meet current security standards and protocols, making it easier for attackers to exploit vulnerabilities.
4. Legacy Systems Vulnerabilities: Legacy systems are often more vulnerable to security breaches due to outdated technology and lack of modern security features.
5. Limited Security Features: Older security technology may lack advanced security features such as encryption, multi-factor authentication, and intrusion detection, making them easier targets for cyber attacks.

# Biometrics



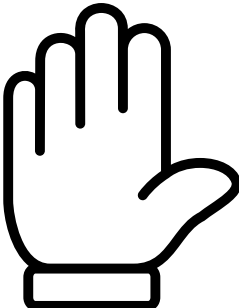
IRIS SCANNING



FACIAL RECOGNITION



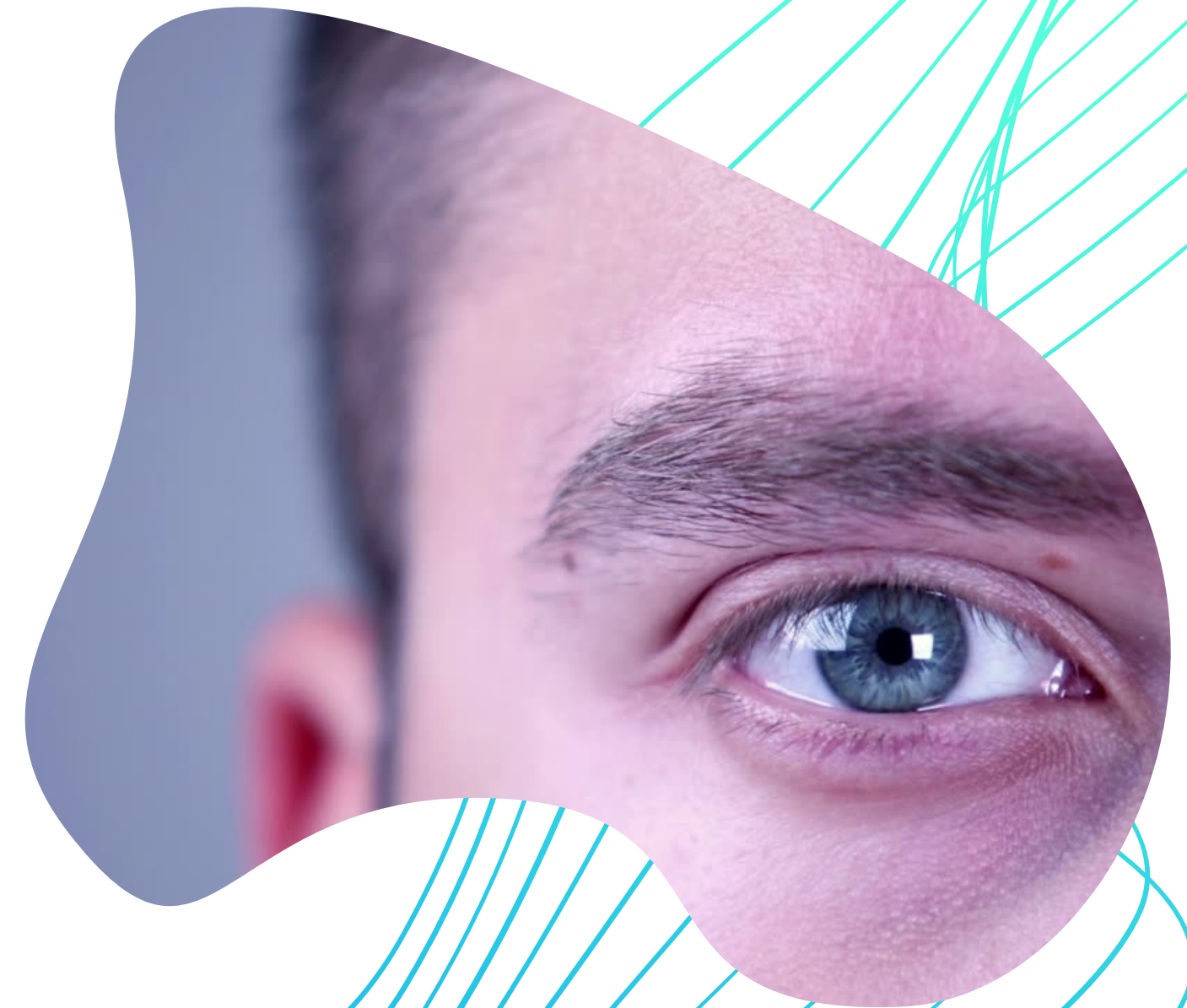
FINGERPRINT



PALM VEIN

# Biometrics Advantages

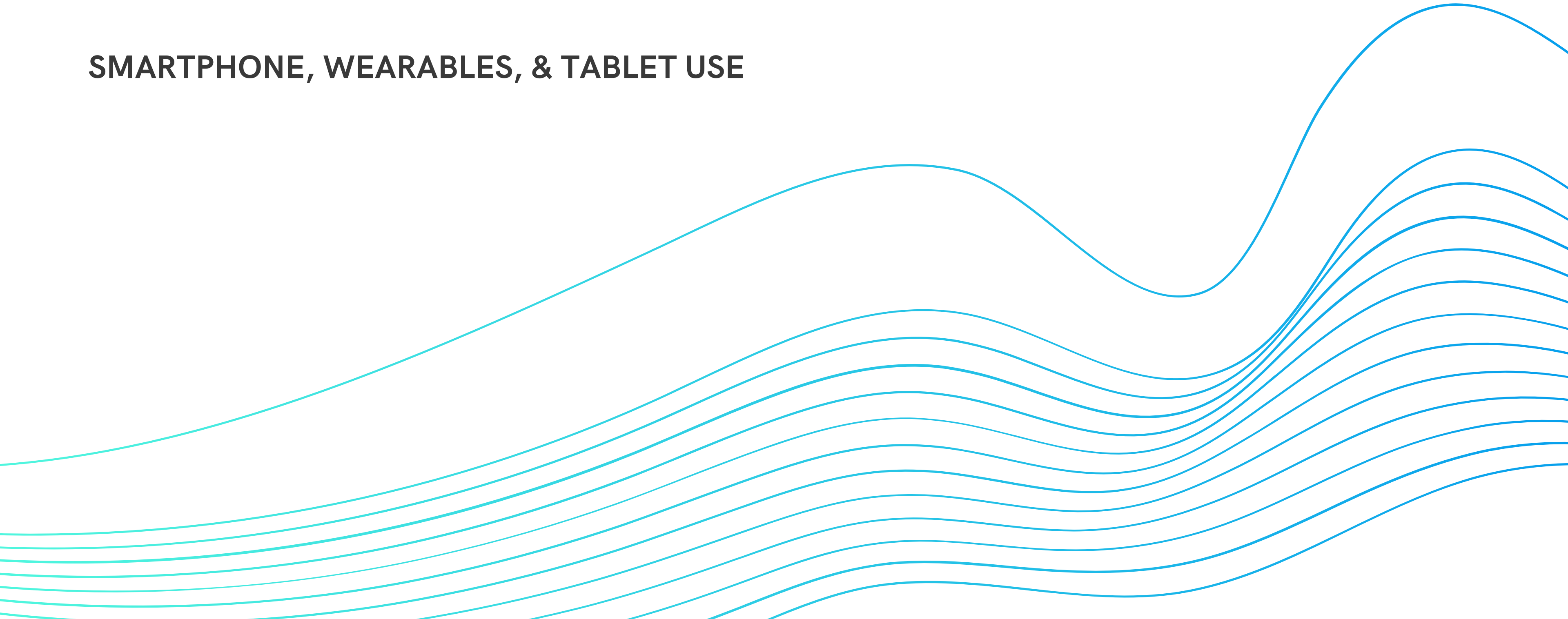
- Iris Recognition has 90-99% accuracy
- Facial Recognition accuracy can reach up to 99.97%
  - Has a variety of estimation (age, emotion, etc.)
- Most Palm Vein Recognition can have a false acceptance rate (FAR) 0.00001% which means it is very accurate
- Unlike the use of other forms of authentication such as passwords or tokens, biometric recognition provides a distinct association between an individual and a claimed identity
- There are touchless options for hygienic access control





# Mobile-Supported Security

SMARTPHONE, WEARABLES, & TABLET USE



# Mobile-Supported Security Benefits

The future of computers and communication lies with mobile devices, such as laptops, tablets and smartphones with desktop-computer capabilities. Benefits are:

- Sizes & portability
- Multiple applications
- Processing power
- Affordability
- Wireless communications
- Body-cam-like functionality
- GPS metadata
- Various authentication technologies
- Push notifications

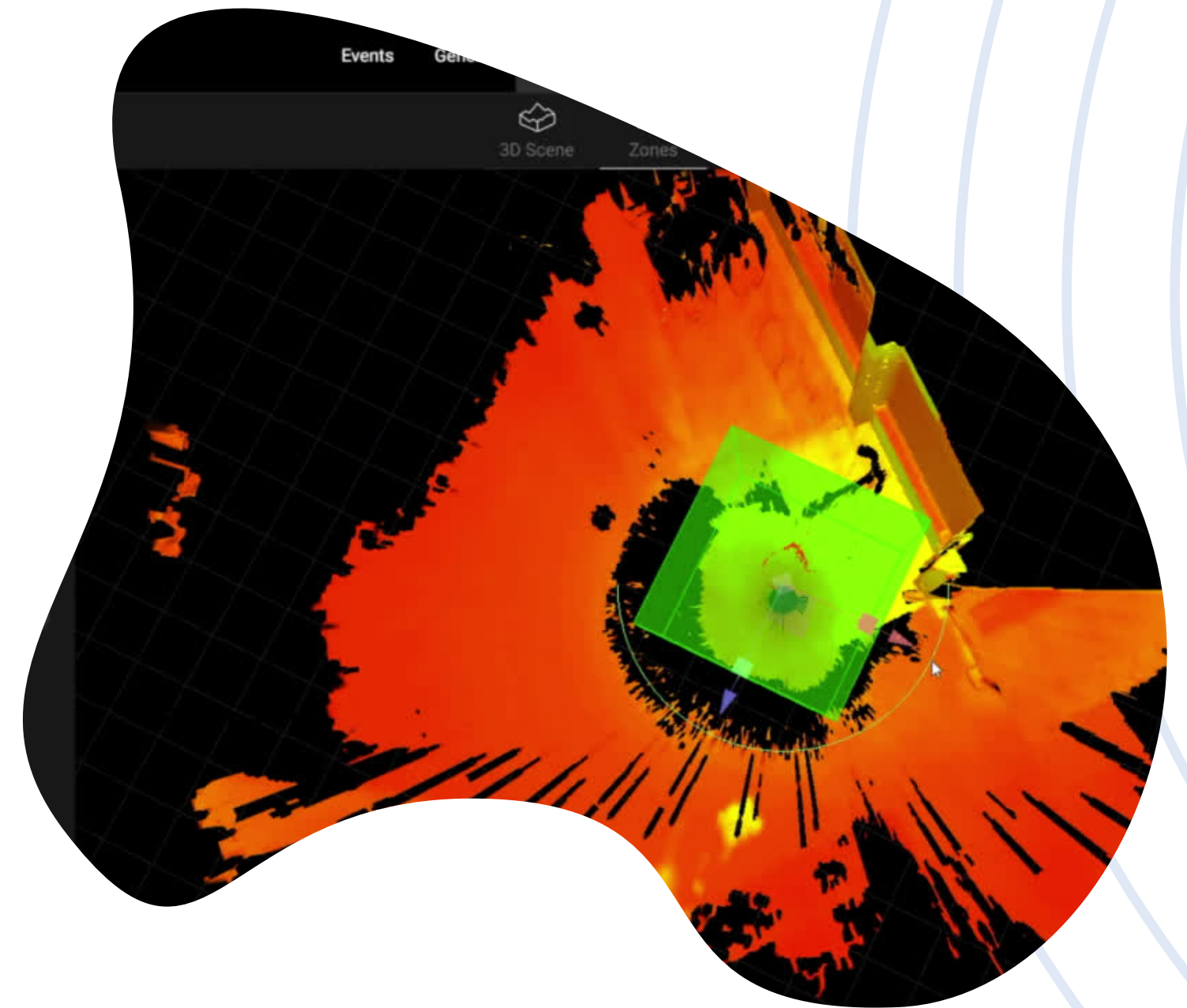




# 3D Surveillance

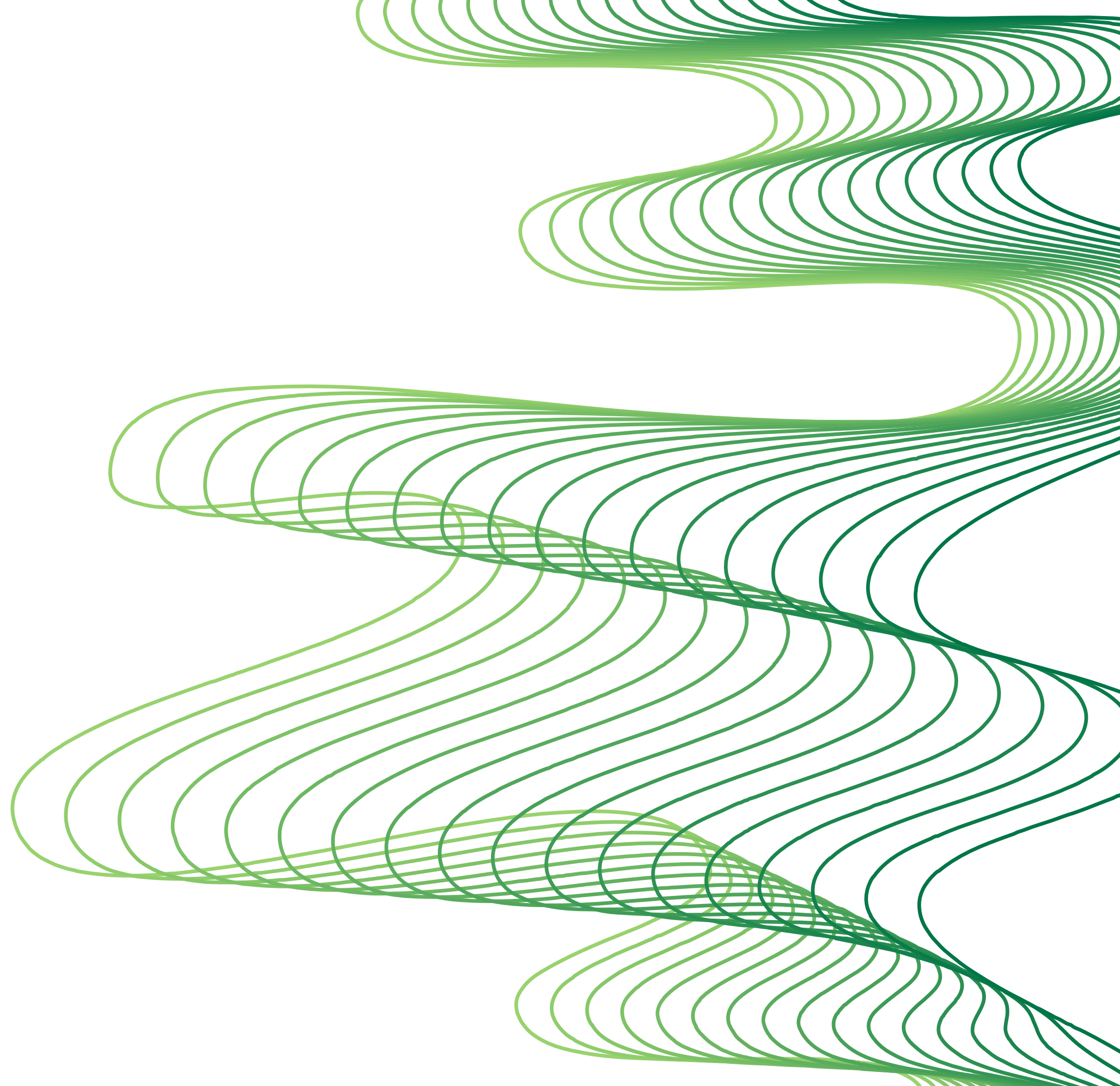
# LiDAR

- LiDAR has a wide range of applications; one use is in speed limit enforcement
- It has been replacing radar since 2000 due to its narrower beams able to target individual vehicles
- It is growing in popularity because it can generate precise, three-dimensional information about the shape of various in-range objects, and their surface characteristics



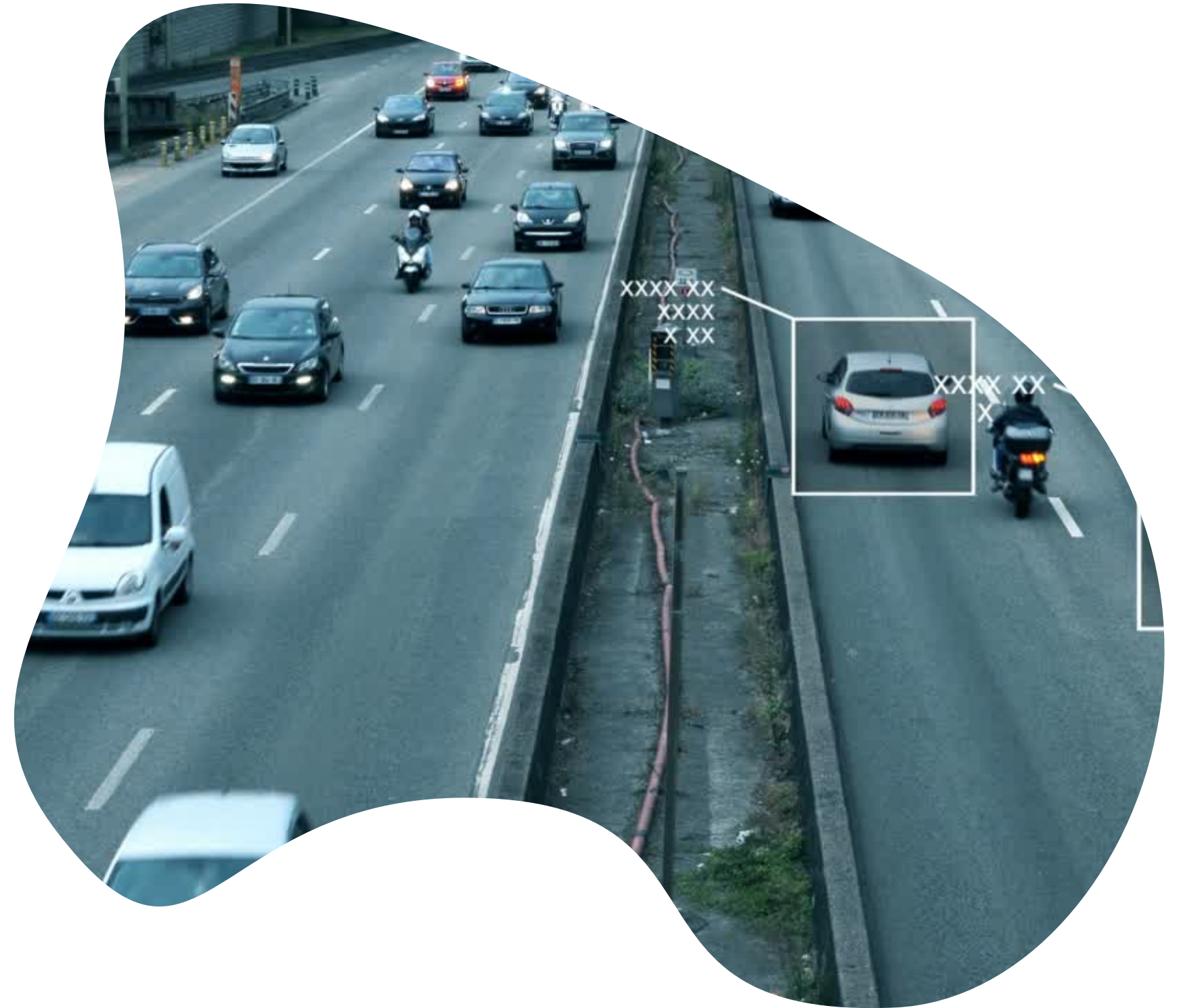
3D LiDAR Data from the Leica BLK247

# AI / Analytics



# LPR

- License Plate Recognition is growing in popularity within businesses and organizations
- There is a multitude of ways the data is collected that can be used to solve problems—whether financial, criminal, safety, customer service, or security-related
- Depending on the program, LPR tends to reign in a 92% to 99% accuracy



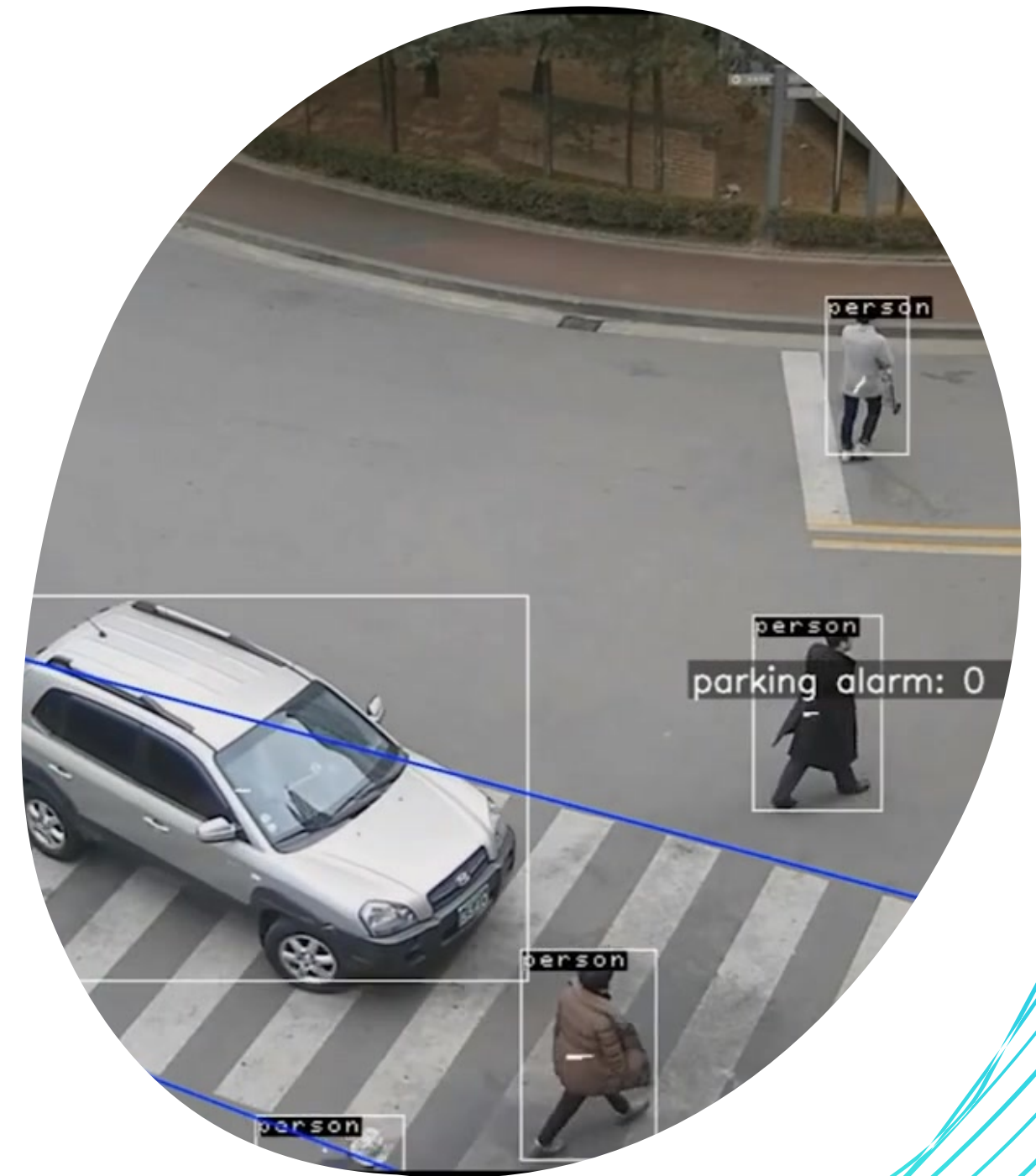
# AI & Deep Learning

- AI technologies like machine learning provide rapid insights to cut through the mass amounts of data picked up by your security system, drastically reducing response times
- AI is growing in popularity because it is continually learning and is able to distinguish threats from non-threats



# Analytics

- Standard analytics report everything, including unnecessary movements and non-threats
- New analytics include deep learning, which sifts through the mountain of data for you and cuts right to the important events
- AI- and ML-based analytics increase accuracy rates



Analytics from the Ganz AI Box



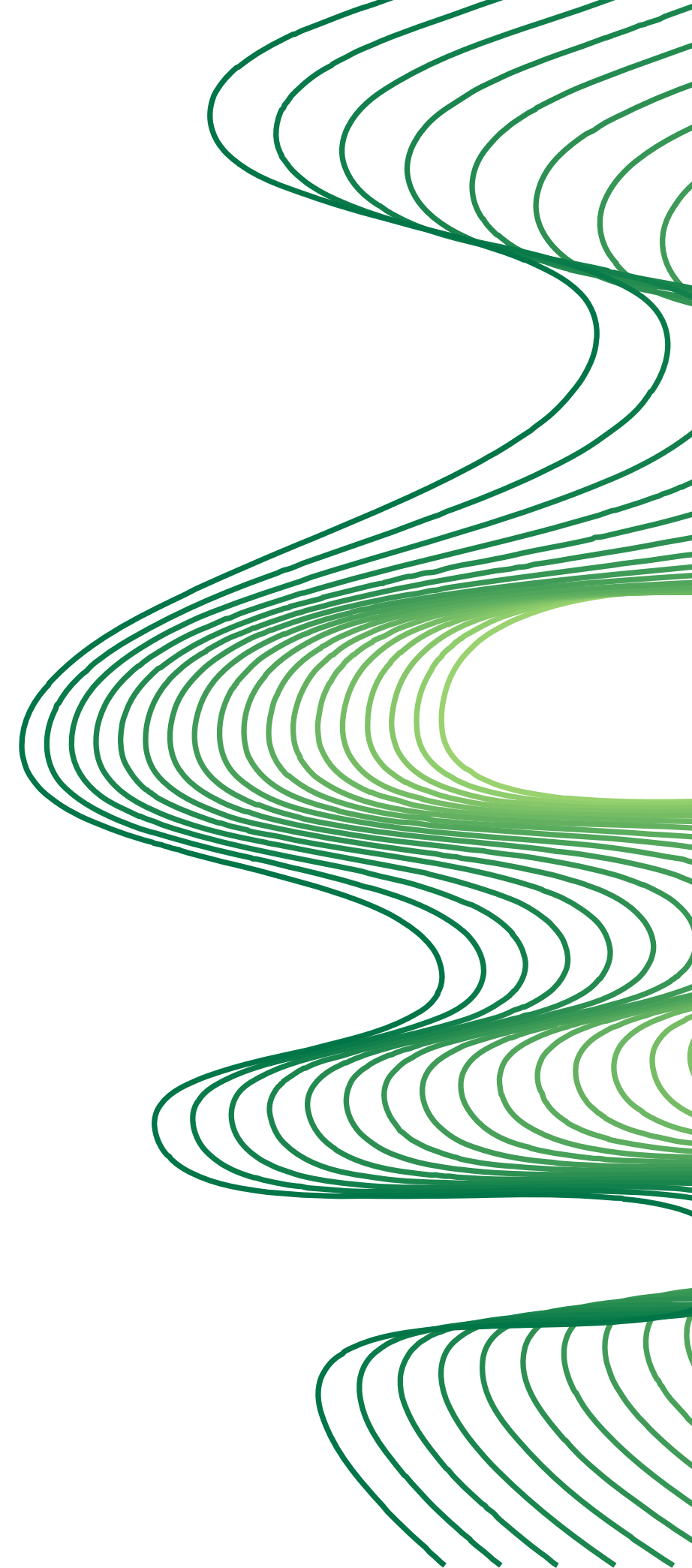
# **Surveillance Management Platforms**



# The Ultimate Coverage

## CORTRON VMS

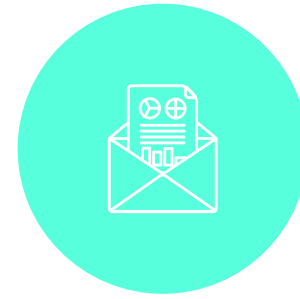
- Biometrics Integration provides fast and seamless multi bio-authentication
- Mobile App & Its Capabilities
- Security Convergence (access control, building management, infrastructure management etc.)
- Smart Technology—AI, FR, LPR, LiDAR
- Analytics—real-time metadata, fewer false alarms





# Thank you!

Let's find a high-tech  
security solution for *you*.



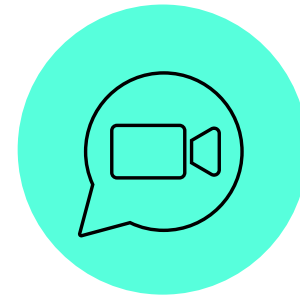
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