

The logo for the National Public Safety Partnership, consisting of three curved, overlapping lines in red, blue, and purple.

National **Public Safety**  
PARTNERSHIP

Strategic Solutions • Focused Action • Reduced Violence

# Digital Trust

Thursday, June 20, 2019 | 2:00 p.m. – 3:00 p.m., ET



# Welcome



**Mr. Teddy Miller**  
**Federal Bureau of Investigation**  
**PSP Co-Director**

# Today's Speaker



**Ms. Nola Joyce**

Strategic Site Liaison

National Public Safety Partnership

# Leadership Challenges in Building Digital Trust

- Overview
  - Understand the challenges emerging technology presents to police leaders
  - Explore the concepts of data ethics, digital ethics, and digital trust
  - Identify guiding principles to help engage the community stakeholders and build digital trust

# Risks of Emerging Technology

- Costs versus benefits
- Implementation effects
- Technology moves fast
- Unintended consequences



# The Challenge: Finding the Balance

Professional Opinions

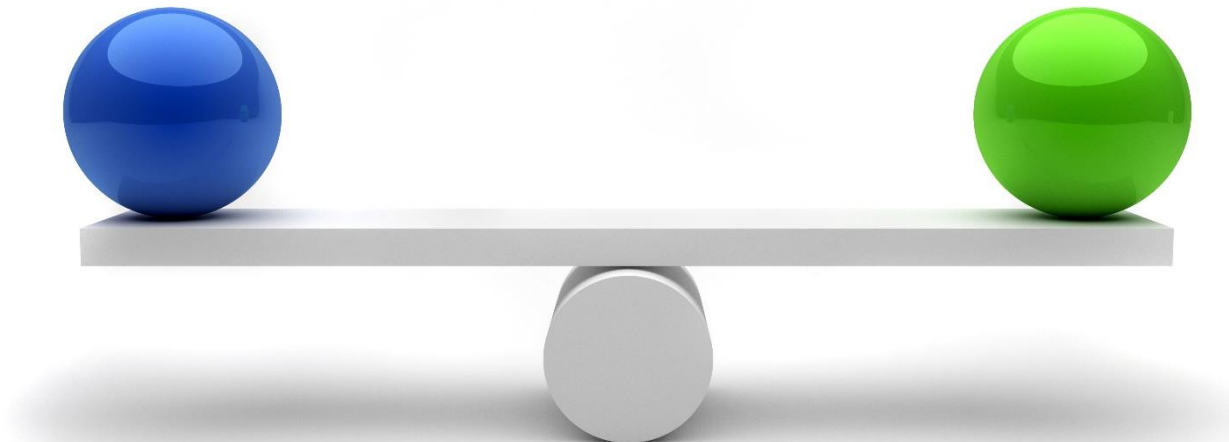
Public Safety

Reduce Crime

Community Demands

Privacy

Increase Trust



# Police Technology Today



- MDCs connected to multiple databases providing information, intelligence, mapping, and analytic tools
- Sensors—individual bios, environmental sensors, facial recognition
- Real-time visuals—BWC, CCTV, ALPR, drones
- Social media—analysis to combat crime and sense community sentiments
- All under the watchful eyes of COMMAND

# Technology Trends

- Driverless cars
- Exoskeletons/robots
- Wearables
- Cloaking
- Cloud/big data
- IoT and SMART everything
- Artificial intelligence
- Augmented reality



The Future Started Yesterday and We Are Already Late  
—John Legend



# 21st Century Policing

Where are we  
heading?

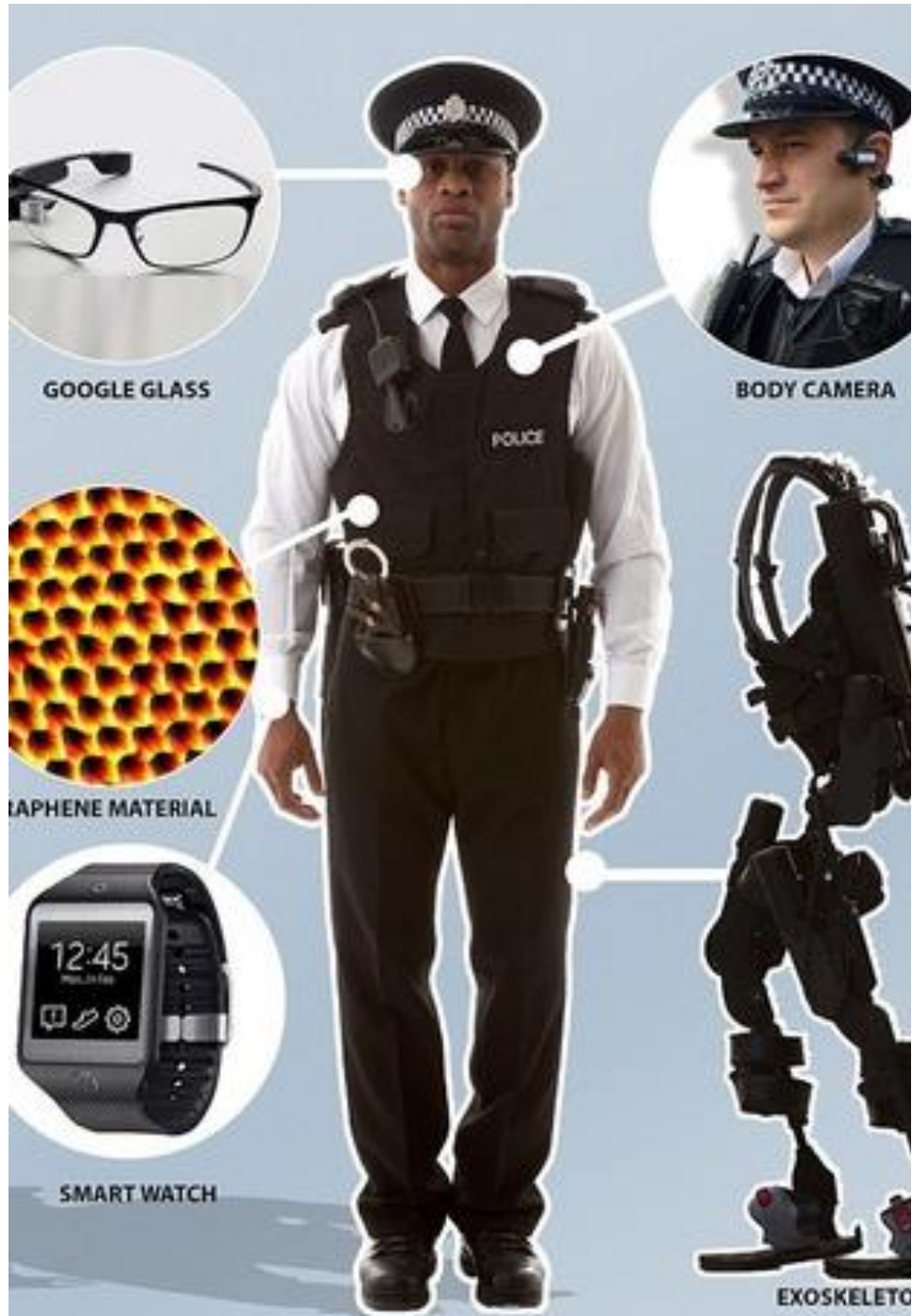


PART MAN,  
PART MACHINE,  
ALL COP.

# ROBOCOP

THE FUTURE OF LAW ENFORCEMENT.

DAVISON PRODUCTION • A Paul Verhoeven FILM • Peter Weller • Nancy Allen • RoboCop • Daniel O'Herlihy • Ronny Cox  
and Smith • Miguel Ferrer • MUSIC BY Basil Poledouris • DIRECTOR OF PHOTOGRAPHY Jost Vacano • FILM EDITOR Frank J. Urioste  
WRITTEN BY Rob Bottin • EXECUTIVE PRODUCER Jon Davison • WRITTEN BY Edward Neumeier & Michael Miner • PRODUCED BY Arne Schmidt • DIRECTED BY Paul Verhoeven  
© 1987 ORION PICTURES. ALL RIGHTS RESERVED. ORION PICTURES PRESENTS A FILM BY PAUL VERHOEVEN



## Smart Car | The NYPD plans to introduce more high-tech cruisers, like this prototype, into its fleet

**Main console:** contains a feed from the video cameras, a printer for summonses and reports, and a barcode scanner for drivers' licenses



**Surveillance camera:** can send live video of crime scenes to officials at NYPD headquarters



**Radiation detector:** fixed to the rear window, the detector checks the air for contaminants



**Infrared monitors:** attached to the trunk, they scan license plate



**Power supply:** the modem and other computer circuitry are

# Near Future of Policing

# Digital Trust

## Data Ethics

- ✓ Data integrity
- ✓ Device security
- ✓ Application security
- ✓ Infrastructure security
- ✓ Identity management
- ✓ Cyber defense
- ✓ Governance and compliance

## Digital Ethics

- ✓ Code of digital ethics
- ✓ Ethical decisions in use
- ✓ Ethical algorithms
- ✓ Transparency
- ✓ Data sharing governance
- ✓ Privacy
- ✓ Implications for harm

# Guiding Principles

**Effective  
and  
Efficient**

**Regulated  
and  
Monitored**

**Bring Police  
and  
Community  
Together**

**Be and  
Seem  
Fair**

**Reduce  
Coercive  
Force**

# Next Steps

“Now more than ever, it is critical that we bring together the best in technology and science to create a new generation of tools that are accurate, transparent, and community-informed”

—Charles Ramsey and Anne Milgram (2017)

# Questions



# Contact/Resources

- Resources
- Joyce, N., Lyons, P., Scott, M. S., and Soly, P. (2017). “The Future is Here and We are Already Late: Leadership Challenges with Emerging Police Technology.” A paper of the BJA Executive Session on Police Leadership. Washington, DC: Bureau of Justice Assistance, U.S. Department of Justice; and St. Petersburg, Florida: Center for Public Safety Innovation, St. Petersburg College
  - Digital Trust Toolkit:  
<https://www.nationalpublicsafetypartnership.org/Clearinghouse/Toolkit/c51fb>
  - <http://bjaleader.org/pdfs/029FutureHereAlreadyLate.pdf>
- Contact information
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# Thank You!