

E-BOOK

Solving Your Criminal Investigation Challenges with Digital Intelligence





FORWARD

Our world has never been better connected...or more vulnerable. Digital technology is the thread that connects our lives and it is growing at warp speed. Crimes are more complex and increasingly influenced by technology. Mountains of data are being generated and following the data trail to solve crimes is becoming increasingly difficult, which leaves law enforcement agencies struggling to cope.

Since digital evidence has become a driving force behind criminal investigations of all types, agencies are rethinking the way their organizations handle digital data. Many are seeing the value in implementing a digital intelligence (DI) strategy to access, manage, and analyze digital evidence to solve more cases faster and build trust within communities.

At Cellebrite, we understand the importance of keeping people safe and we stand with our law enforcement partners in supporting their mission. In the pages that follow you'll find suggestions and solutions to meet your greatest criminal investigation challenges and help us in our mission to make a safer world.





SUPPORTING YOUR MISSION

As criminal investigators and agency heads, your mission to safeguard our communities is more important today than ever. Here are four goals that our law enforcement partners have identified as being critical to their missions:



PREVENTION

Improve the ability to identify and report suspected illicit activity.



PROTECTION

Strengthen intelligence-driven decision-making in real time.



PROSECUTION

Refer cases to the appropriate agencies to better support prosecutors.



PARTNERSHIP

Improve information sharing, management, and analysis between agencies.

Gathering intelligence, responding to incidents, making arrests, and building cases are all key components of your role.

Having the right data accessible to the right people at the right time renders actionable intelligence that can expedite decision-making.



CRIMINAL INVESTIGATIONS IN A DIGITAL WORLD

Law enforcement agencies are tasked with preventing a wide variety of crimes:

- ✦ Preventing child exploitation with its overwhelming amount of media to review.
- ✦ Partnering with victims to end the rise in domestic violence cases.
- ✦ Reducing homicide rates.
- ✦ Battling the opioid epidemic and the distribution of narcotics.
- ✦ Dismantling gang networks.
- ✦ Tracing cryptocurrency used to transact growing amounts of criminal activities.





Since the world is more connected than ever, criminals are leveraging modern technology to commit crimes. Not only do law enforcement agencies provide a physical deterrent by stopping criminal activities such as child abuse, domestic violence, homicide, and drug abuse, they also handle the digital aspects of the investigations, which are inherently linked to physical investigations.

Remember, virtual crimes have no boundaries, so stopping them can be tough. However, nearly every crime has a digital aspect. The challenge is that digital investigations generally require analyzing mountains of data to render digital intelligence (DI) that's actionable.

So, how do you cope with data deluge to take maximum advantage of the digital data available? Are you leveraging the value of digital data for your criminal investigations?

Our changing world requires agencies to transform the way they solve crimes using digital intelligence across every aspect of the investigation process. Cellebrite is here to help accelerate your crucial work at every stage to drive your investigations forward.





THE POWER OF DIGITAL TRANSFORMATION

To meet their mission, leading agencies of all types need to digitally transform. Here are three steps we have identified that provide a roadmap to success:



COLLECT all relevant data from all the available data sources uncovered during an investigation.



CONTROL AND SHARE the data in and across agencies, while managing the right access to the right people.

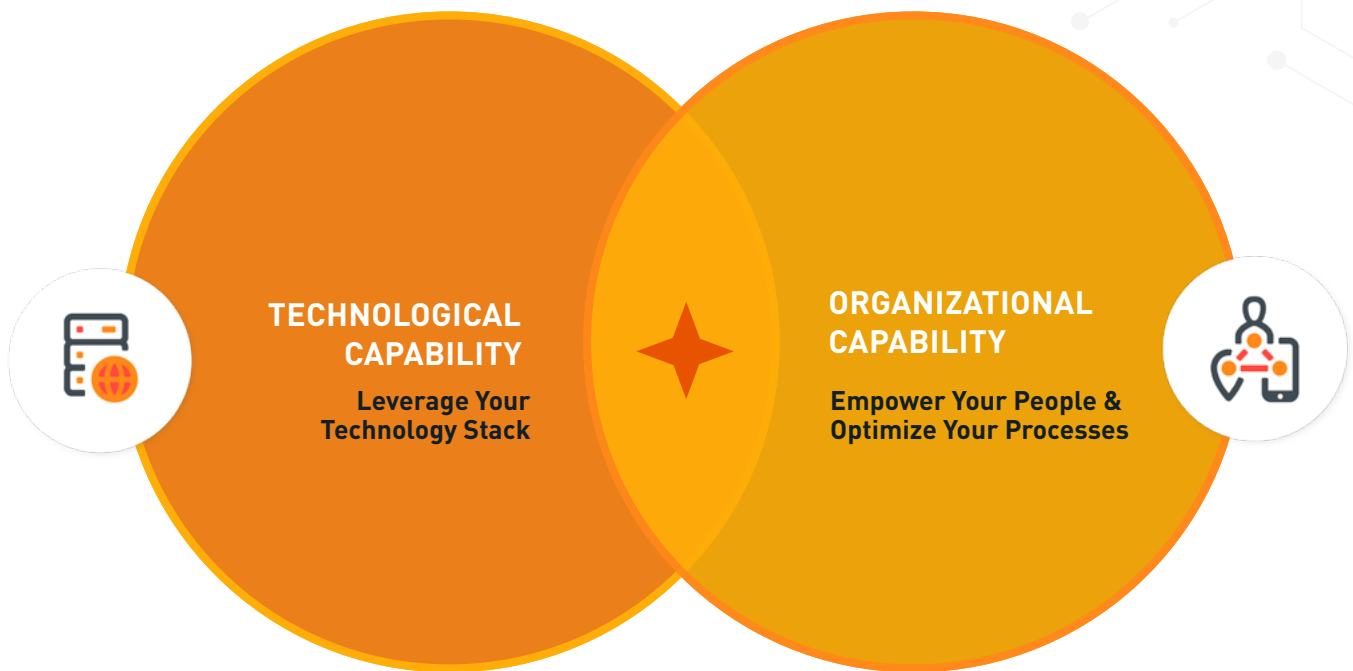


Turn collected data into a **COMPLETE PICTURE** that outlines actionable intelligence to move investigations forward.



INTRODUCING DI FOR CRIMINAL INVESTIGATIONS

Cellebrite's DI solutions help you achieve your investigative and intelligence mission of gaining trusted insights by leveraging your technological and organizational capabilities to make digital data more accessible, manageable, and actionable.



OUR DIGITAL INTELLIGENCE SOLUTION LEVERAGES
THE **SWEET SPOT** BETWEEN YOUR TECHNOLOGICAL
AND ORGANIZATIONAL CAPABILITIES.



ORGANIZATIONAL CAPABILITY: EMPOWER YOUR PEOPLE AND PROCESSES

Organizational capability refers to staff talent, professional development, collaboration, and measurement for continued improvement. Upskill your personnel to expertly handle digital evidence and empower your people to find crucial evidence in every scenario to build stronger cases. A secure process around storing and sharing digital evidence is vital for any organization.

Cellebrite helps create the right digital intelligence strategy for your team.

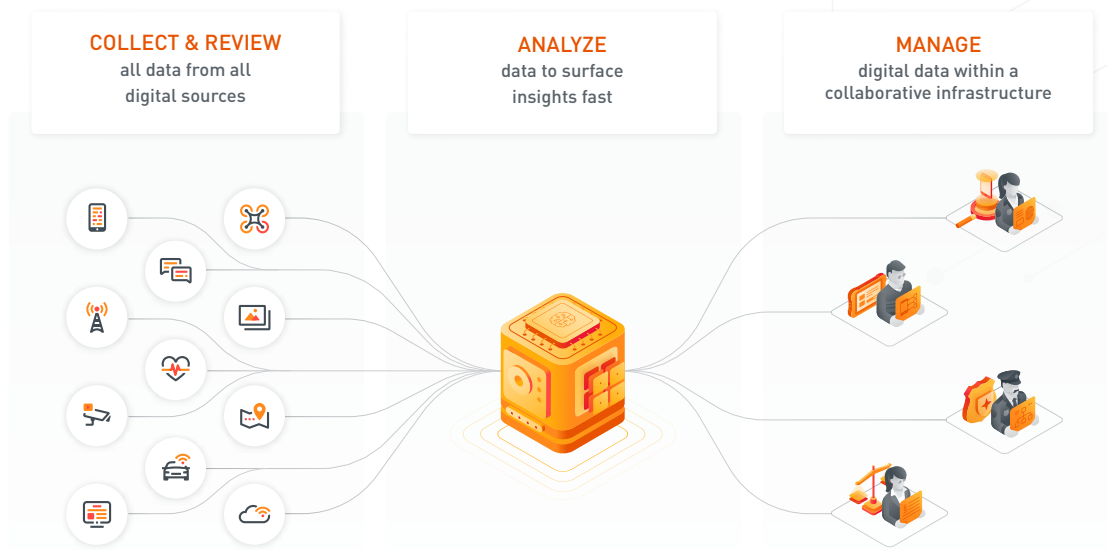


TECHNOLOGICAL CAPABILITY: LEVERAGE YOUR TECHNOLOGY STACK

Technology needs to work hand in hand with your existing tools in the field, on site, and across agencies. Tools that allow collaboration between departments or task forces are able to find connections among seemingly unconnected people, places, and events to resolve cases faster. We know that when team members are confident with using the most updated technology, the number of digital evidence sources they can access will grow. Modern agencies leverage the power of Cellebrite's comprehensive AI platform to fuel secure collaboration and analysis for informed decision-making.



Cellebrite's digital intelligence solution enables your agency to access, manage, and analyze large volumes of digital evidence to modernize and centralize your entire workflow.



Our complete end-to-end solution enables fast, data-driven decision-making and enhanced collaboration between all stakeholders – based on a unified digital intelligence platform.

1. ACCESS AND TRIAGE DATA IN THE FIELD

Access all data from all digital sources using the best tools to quickly unlock, extract, examine, and validate data. Cellebrite offers unique triage capabilities that cross reference data with known hashed data bases such as VIC and CAID, blacklists, and keywords. Our solutions surface insights to quickly assess the risk and make sound decisions in the field. Mobile-app tools enable simplified and secure consent-based collection of digital evidence from victims and witnesses.

2. MANAGE WITHIN AND ACROSS AGENCIES

Manage your operational workflow, chain of custody, governance, and assets within a collaborative infrastructure. This will enable you to work with pre-defined watchlists, blacklists, whitelists, and risk profiles to identify deconflictions and hits. Get this data from other law enforcement agencies and enforce standard operation procedures to optimize time to evidence with a solid chain of custody.

3. ANALYZE AT THE INVESTIGATION SITE

Leverage AI-powered analysis tools to comb through mountains of data from text messages, images, and videos on digital devices or on the cloud, to surface key insights, and gaining actionable intelligence, all through an automated workflow. Automating the review of harmful material also relieves the psychological burden of investigators and officers. Generate readable, effective reports to share with prosecution. Once you've accessed, managed, and analyzed the digital data, it's time to connect the dots and map individual journeys.

ACCELERATE TRANSFORMATION with professional services, including training, advisory, and advanced services.

CRIMINAL INVESTIGATION DEPLOYMENT EXAMPLE

A UNIFIED INVESTIGATION AND DATA
MANAGEMENT SOLUTION



IN THE FIELD

Triage and consent-based
data collection for offender
management



AT THE LAB

Data extraction, review,
and examination



AT THE INVESTIGATION

Digital investigation and review



AT THE COURT

Data review and analysis



Flow management
and compliance



Fleet and asset management,
permissions, and audit



Key Benefits of Cellebrite's DI Solution for Criminal Investigation



Accelerate the investigation process
and get faster, data-driven results
with AI and automation.



Collaborate with multiple
stakeholders and gain crucial
insights.



Empower your staff with the tools they
need, fit to their personas.



Secure your workflow, protect the
chain of custody, and ensure
adherence to policy governance.



Be proactive and leverage data for
better decision-making and planning.





CASE STUDY SPOTLIGHT

DI IN ACTION: SINGAPORE POLICE AND HTX

Tuan Liang Lim is the Director for Digital and Information Forensics for the Home Team Science and Technology Agency (HTX), an arm of the Ministry of Home Affairs that was created to handle everything relating to technology and digital intelligence in 2019. In a recent interview, Director Lim talked about the transformation that is taking place within the police force saying, “the traditional model of investigation is going to be overturned,” with DI providing the driving force behind investigations.

CHALLENGE

Push the digital investigation workflow out to other team members to expedite the data-gathering process and reduce pressure on the lab.

RESULTS

HTX built a DI Ready ecosystem with centralized data access and management from anywhere while empowering investigative teams with the latest analytics solutions

“Being able to access, analyze, manage, and visualize data in one centralized workflow increases speed and efficiency to solve more cases faster.”

- Tuan Liang Lim

Director for Digital and Information Forensics for the Home Team Science and Technology Agency (HTX)

[READ MORE](#)





THE POWER OF CELLEBRITE

We work with our law enforcement partners every day partners to bridge their intelligence gaps and help build effective, long-term strategies while solving the most immediate issues today.

At Cellebrite, our goal is to demonstrate how you can take advantage of our solutions to work within your existing infrastructure to maximize your capabilities and deliver better results.

- ✦ **We work with industry leaders:** With more than 20 years of field-proven experience working with our partners, we never stop improving our products and services to ensure you have the right tools at hand.
- ✦ **Customer success:** Our dedicated customer success management serves as an extension of your team to create the right digital intelligence strategy.
- ✦ **Support:** We stand beside you every step of the way. Together we help solve your toughest cases.
- ✦ **Training and certifications:** The Cellebrite Academy can train your teams at their own pace, based on their schedule and your budget.
- ✦ **Advanced services:** Cellebrite's Advanced Services team can streamline your complete workflow, provide expert advice, and reduce your backlog.





DI IS THE FUTURE. ARE YOU READY?

The world is more connected than ever, with digital evidence playing a major role in criminal investigations. Our end-to-end digital intelligence solution seamlessly integrates with your unique ecosystem of people, platform, and processes.

What you'll gain is a holistic workflow where gaps in data, resources, knowledge, and collaboration are a thing of the past and actionable intelligence is accessible right at your fingertips.

BEGIN YOUR DIGITAL TRANSFORMATION JOURNEY TODAY!

Complete the DI Readiness Navigator