

GIGA FORENSICS

STAY SAFE, STAY SECURE

INTEGRITY | CONFIDENTIALITY | ACCURACY | RELIABILITY



GIGA FORENSICS

ABOUT US

Your Architects in Safety and Intelligence.

Giga Forensics is a technology-driven forensic intelligence and digital investigation firm committed to delivering precision, integrity, and innovation in every engagement. As a proud subsidiary of the EIB Group, we provide specialized services in digital forensics, tracking, monitoring, and investigative analytics to support law enforcement, government agencies, and corporate entities.

We are Africa's first private and only provider of public safety-driven Signal Intelligence (SIGINT) software solutions, with applications that support law enforcement and intelligence agencies across the continent.

Our Signal Intelligence solution spans Communications Intelligence (COMINT), Electronic Intelligence (ELINT), and Foreign Instrumentation Signals Intelligence (FISINT).

Our work focuses on transforming digital data into actionable intelligence – empowering decision-makers with credible insights that enhance national security, operational efficiency, and organi-ational resilience.
Our mission is to enhance safety and intelligence through innovative technology and expert support.

AFRICA'S 1ST PRIVATE SIGINT PROVIDER

C5ISR FULL-SPECTRUM SERVICES

24/7 INTELLIGENCE SUPPORT

OUR VISION

To become Africa's leading force in forensic intelligence and digital investigation through technological excellence.

OUR MISSION

To provide trusted forensic and monitoring solutions that utilize innovation, data accuracy, and technical expertise supporting clients in uncovering evidence, preventing digital crimes, and strengthening information security, while enhancing safety and intelligence through innovative technology and expert support.

OUR CORE VALUES

Integrity – We uphold the highest ethical and professional standards in all engagements.
Confidentiality – We maintain absolute discretion in handling sensitive information.
Accuracy – We ensure every analysis and report is evidence-based, verifiable, and defensible.
Innovation – We continuously evolve our technologies and methodologies to meet emerging challenges.
Collaboration – We build strong partnerships that foster collective success and impact.

» OUR CORE SERVICES



Digital Forensic Analysis

Comprehensive acquisition, preservation, and examination of digital evidence from mobile devices, computers, and cloud platforms.



Call Data Record (CDR) Analysis

Advanced interpretation and correlation of telecommunication data to support investigative and intelligence operations.



Tracking and Monitoring Solutions

Real-time geo-location and digital footprint analysis to enhance situational awareness and surveillance operations.



Cyber Intelligence and Threat Profiling

Identification, analysis, and mitigation of cyber threats through data-driven intelligence gathering.



Incident Response and Data Recovery

Rapid containment, analysis, and recovery of compromised or lost digital assets.



Training and Capacity Development

Structured programs designed to equip security professionals and investigators with cutting-edge forensic and analytical skills.

Precision, integrity, and innovation – in every engagement.



SIGINT - Signal Intelligence

Intelligence recorded straight from the source.
Signal Intelligence (SIGINT) is the process of collecting, decrypting, and analysing signals: both human communications and electronic signals – in order to gather useful information. It involves intercepting electronic communications and analysing them for intelligence, which is then used to understand the capabilities, intentions, and activities of adversaries or other entities of interest.

WHAT WE INTERCEPT

- Various types of electronic and communications transmissions, such as phone calls, emails, radio traffic, and radar signals.
- At the strategic level, we monitor to determine the enemy's intentions and foreign adversaries' capabilities.
- At the operational and tactical levels, we assist law enforcement agencies to identify the locations of enemy forces.

WHY SIGINT IS IMPORTANT TO NATIONAL SECURITY

The information collected from SIGINT is recorded right from the source – a decisive advantage, because human intelligence (HUMINT) is prone to bias, poor analysis, or even deception. As a result, information gained directly from the target is more often truthful.

SIGINT collection is also faster than HUMINT, allowing intelligence customers to more quickly receive answers to their priority intelligence requirements – their critical questions regarding threats posed by internal organizations as well as adversarial actors and countries.

SIGINT is essential to protecting the security of the nation. It enables intelligence agencies to thwart threats and find opportunities by helping determine an adversary's intentions through intelligence gathering (commonly referred to as collection). It acts as a conduit for indications and early warnings of trouble, useful for ensuring national defence, and helps leaders make more informed decisions by using analyst-gathered data to predict probable future events.

Intelligence derived from the Giga Forensics Signal Intelligence solution is further expanded by our team through integration with human intelligence, geospatial intelligence, and open-source intelligence. This combination adds credibility and depth to intelligence reports, delivering a more comprehensive depiction of a situation to help analysts better analyse and anticipate potential threats and determine counterintelligence purposes. Since Signal Intelligence is passive, the target is often unaware that collection is occurring.

ALWAYS IN CONTROL:

GIGA LAWFUL INTERCEPT (GIGA LI)

A SAFER SOCIETY, BUILT ON WORLD CLASS SOLUTIONS.

We provide trusted solutions for lawful interception, data retention, and legal disclosure – helping governments and service providers while safeguarding privacy and adhering to strict legal frameworks.

This commitment is reflected not only in the way we produce and create value for our clients, but also in who we are and how we act. We aim to create a safer society worldwide by providing world-class solutions.

APPLICATIONS OF OUR SIGNALS INTELLIGENCE SERVICES



Special Operations – Our SIGINT enhances the capabilities of special operations forces, providing real-time intelligence and enabling informed decision-making in challenging environments.



Electronic Warfare – Our software has a significant impact on Electronic Warfare support, helping to locate and identify sources of electromagnetic energy signals in the battlefield.



Threat Detection – Our SIGINT systems detect and identify potential threats, such as improvised explosive devices or jamming attempts in high-risk environments or sensitive regions.



Strategic Intelligence – At a strategic level, SIGINT helps determine enemy intentions and capabilities, providing essential data that enables high-ranking officials to make well-informed decisions.

OUR CORE DEPARTMENTS

Giga Forensics delivers full-spectrum Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR) services and Deep Packet Injection at the tactical and operational levels – with premier engineering and operational solutions around the world.

- Glint Technologies (Technology Integration) Develops and creates software solutionsthat transform data into insights.
- Airport and Public Security Data Collection – BUAS, C2, DPI, ADEyes.
- SIGINT / Cyber / Comms / Network Intelligence – ARGUS & ARGUS Plus.
- Data Analysis – ARGUS Analyst.
- Lawful Intercept – BUAS, C2, Giga StingRay & Dirt Box.
- Public Safety Answering Point (PSAP) – Emergency Contact Service (PSAP Department).



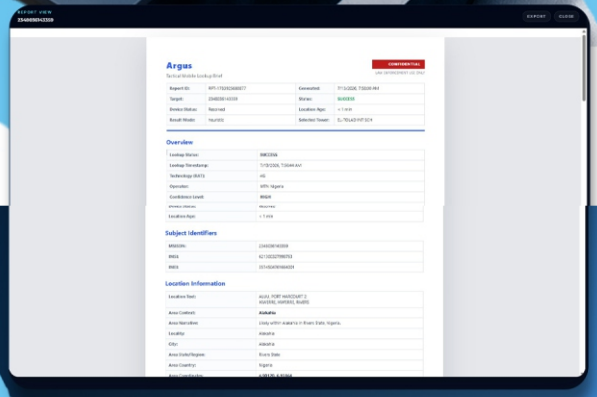

Our Intelligence
Platforms &
Technology
Purpose-built systems for
collection, command, and analysis.

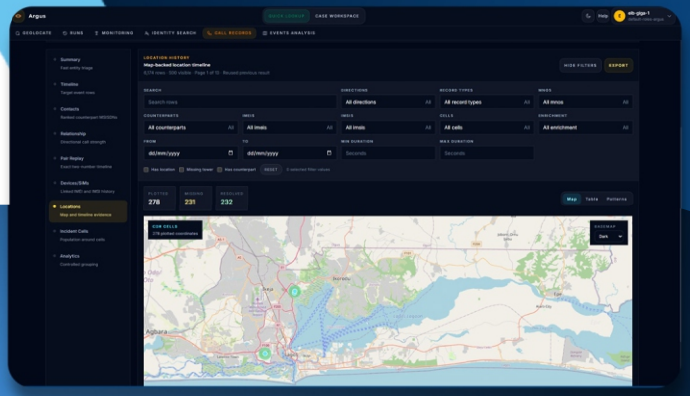


ARGUS & ARGUS PLUS

Our SIGINT, Cyber, Communications, and Network Intelligence platform, supported by the ARGUS Analyst application for data analysis. ARGUS transforms intercepted and collected data into structured, actionable intelligence through a secure, access-controlled interface.

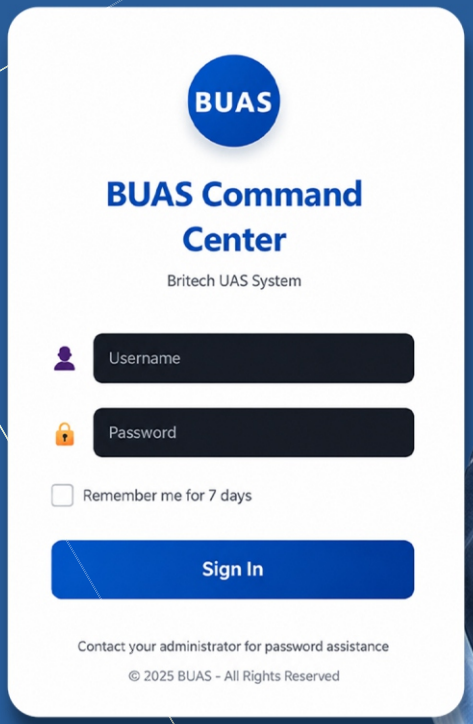
Secure Intelligence Platform

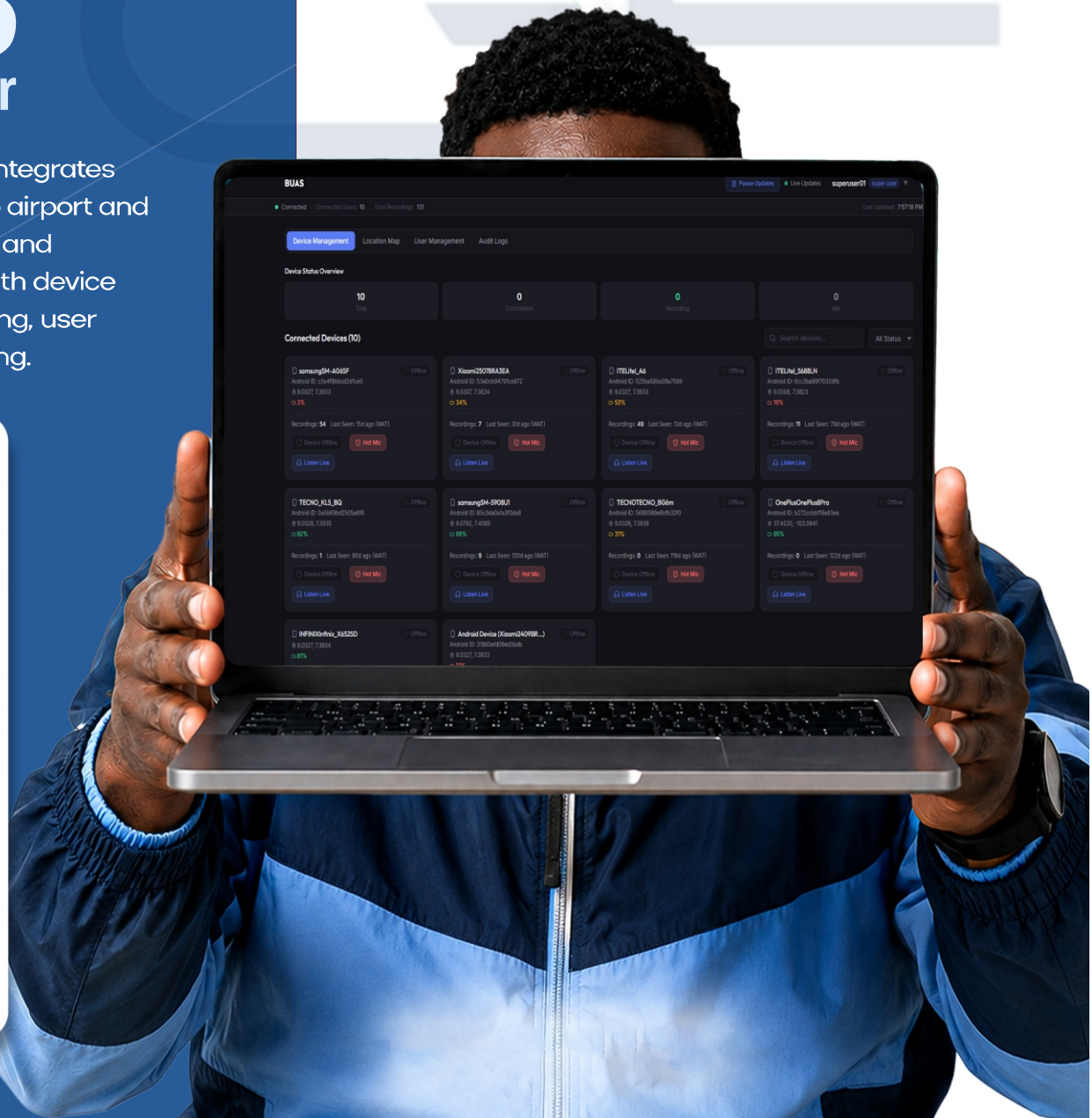


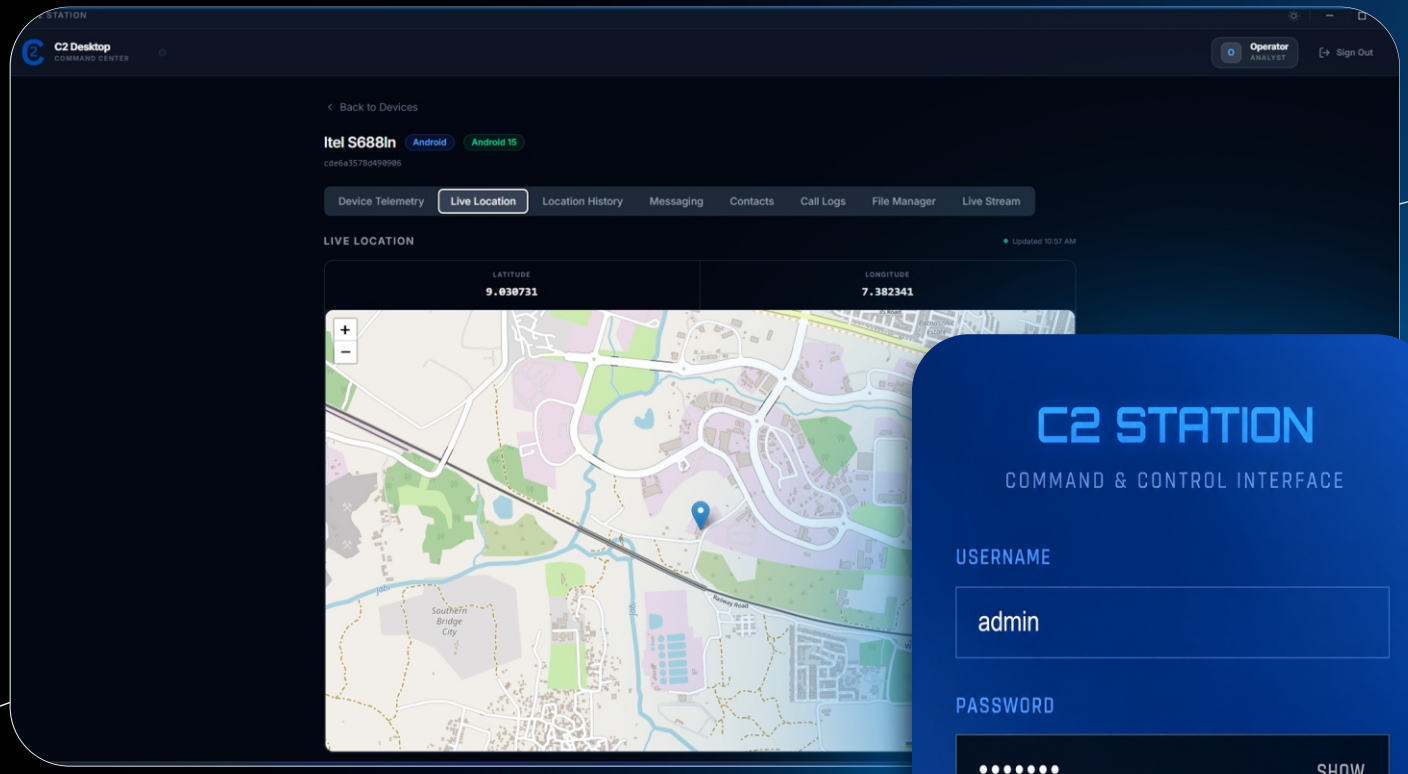


BUAS
Command Center

The BUAS Command Center integrates unmanned aerial systems into airport and public-security data collection and lawful-intercept operations, with device management, location mapping, user management, and audit logging.







C2 Station

Command & Control Interface

Our command and control interface for coordinating collection assets and operational data across the Giga Forensics ecosystem.

Community, Border and Airport Security Camera Software

Advanced Eyes (ADEyes) is our camera-based surveillance software for community, border, and airport security, extending visual monitoring across public-safety and border-management environments.

ADEyes

ADVANCED EYES





Giga StingRay & Giga Dirt Box

DRTbox

Spy in the sky

Giga StingRay and Giga Dirt Box are eavesdropping devices that we use to intercept mobile phone traffic and track user locations by mimicking a cell tower, enabling us to identify and potentially track phones.

Giga StingRay is an IMSI (International Mobile Subscriber Identity) catcher that tricks nearby phones into connecting to it by imitating a legitimate cell tower. This allows it to capture the phones' IMSI numbers – the unique identifiers for a mobile device. It is mounted on a vehicle.

The Giga Dirt Box (GDB) is our cell-site simulator. The GDB device mimics a cell phone tower and creates a signal strong enough to cause nearby dormant mobile phones to switch to it. It is mounted on an aircraft or a drone, and can also be used to jam phones.

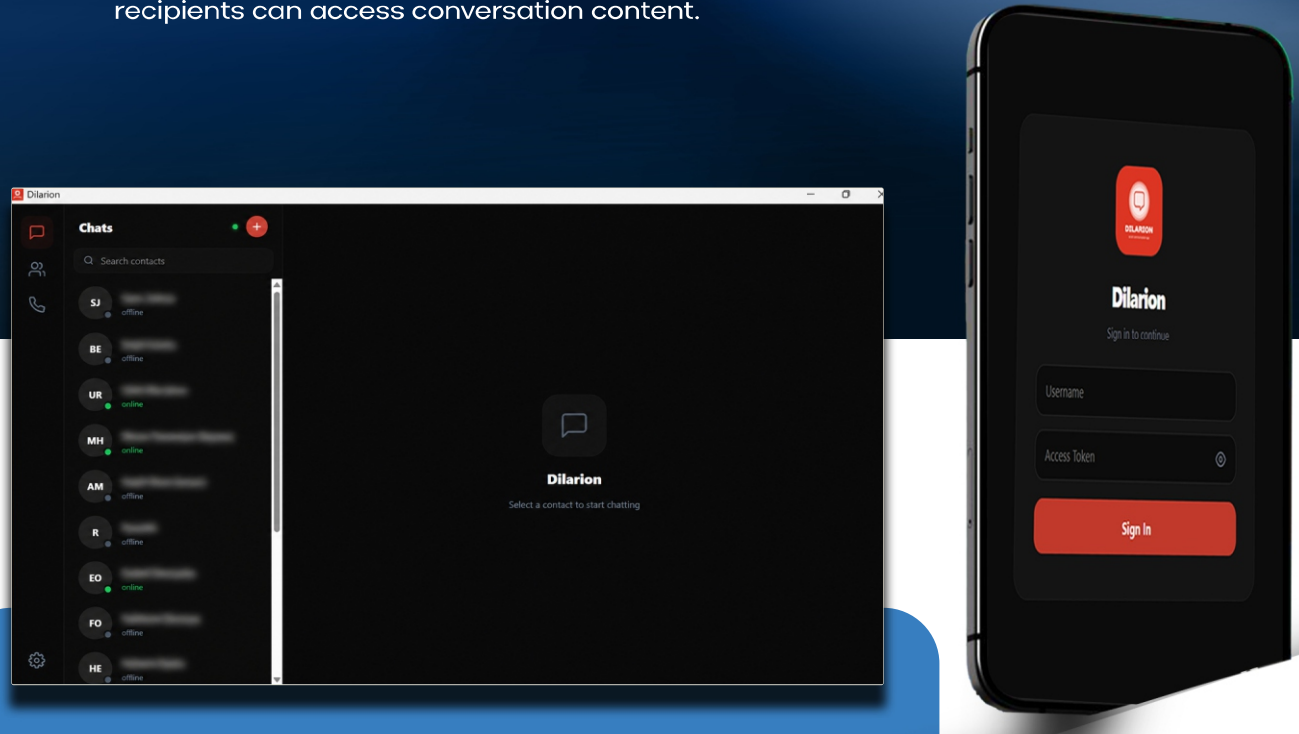
CORE CAPABILITIES

- Intercept cell-phones
- Crack encryption
- Track users

Dilarion

Secure Communication Without Compromise

Dilarion is a next-generation encrypted communication platform built for individuals, businesses, and organizations that require secure and private collaboration.
It provides end-to-end encrypted messaging, voice and video calls, and protected group conversations while maintaining speed and ease of use.
Unlike traditional messaging platforms, Dilarion allows users to create accounts using only a username–removing the need for phone numbers or email addresses and enhancing anonymity. With strong encryption protecting every interaction, only intended recipients can access conversation content.

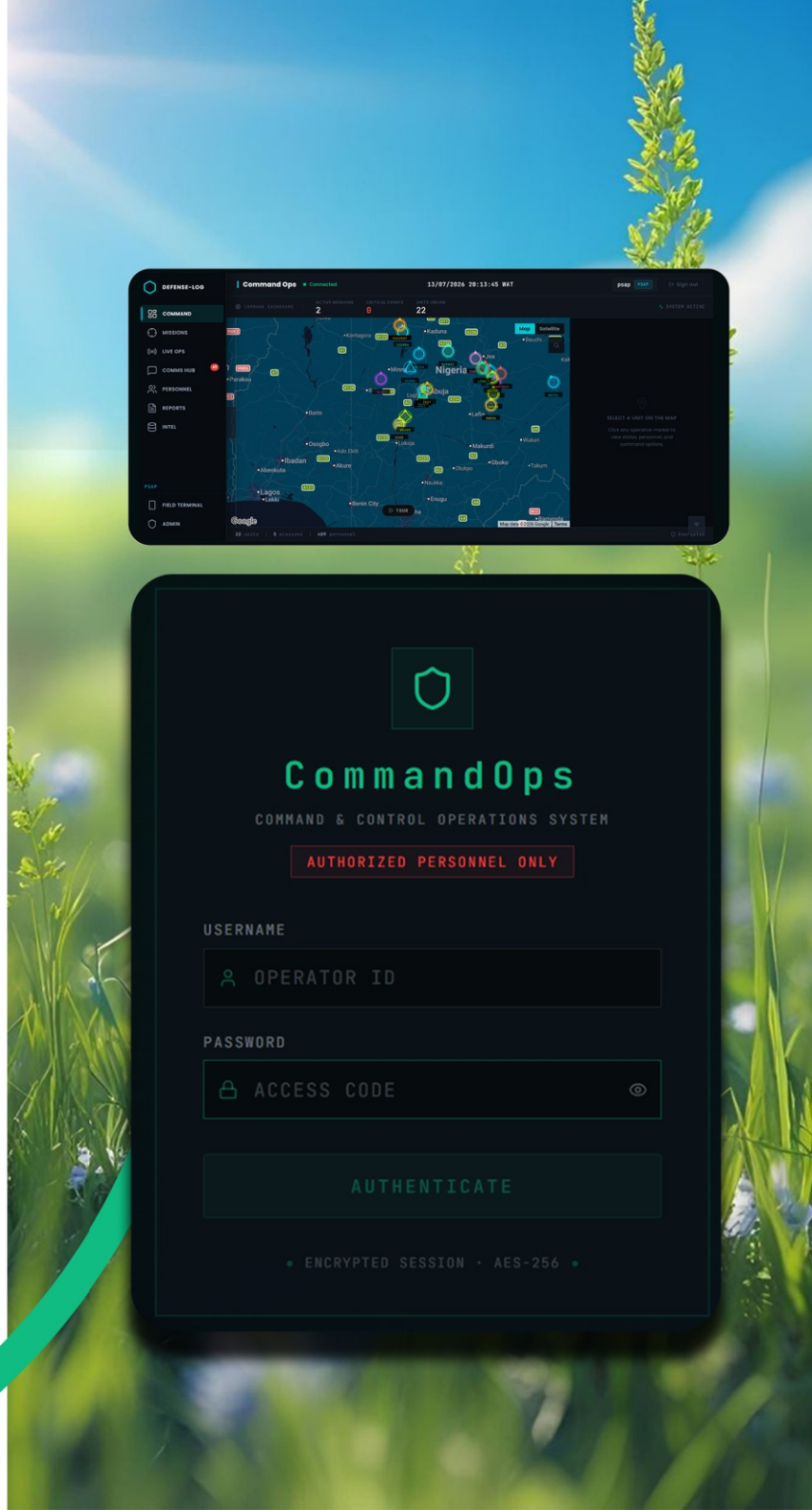


Command Ops

Integrated Intelligent Emergency Response Platform

Command Ops is an advanced intelligence and emergency response solution designed to provide real-time situational awareness, rapid incident management, and seamless coordination during emergencies.

The platform combines location intelligence, secure communications, and live surveillance into a single operational dashboard, enabling organizations to respond to critical situations faster and more effectively.





THE GIGA FORENSICS INTELLIGENCE CENTER

One center. A national network of trusted partners. At the heart of our operations, the Giga Forensics Intelligence Center connects analysts to a broad national and international network, collecting, correlating, and disseminating intelligence across security, defence, regulatory, and international partners: Security & Intelligence

ARMED FORCES & PARAMILITARY

Nigerian Army
Nigerian Navy
Nigerian Air Force
Nigeria Police Force
Nigeria Immigration Service
Nigerian Correctional Service
Nigeria Customs Service
Civil Defence (NSCDC)

SECURITY & INTELLIGENCE

State Security Service (SSS)
Office of the National Security Adviser (ONSA)
Defence Intelligence
EFCC
ICPC
NDLEA

INTERNATIONAL

Other Countries
United Nations

INFRASTRUCTURE & SERVICES

Geospatial Services
Data Center
Network of Fusion Centers
Other End Users

THE NATIONAL EMERGENCY CONTACT CENTER (911 PSAP)

WHAT IS YOUR EMERGENCY?

Through our Public Safety Answering Point (PSAP) department, Giga Forensics operates the National Emergency Contact Center – a 911 emergency response capability. An emergency is any situation that requires immediate assistance from the police, fire department, or ambulance; in an emergency, a caller dials 911 from their phone immediately.

911 is an emergency telephone number used across the North American Numbering Plan (NANP) and in countries including Argentina, Brazil, Canada, Jordan, Mexico, Palau, Panama, the Philippines, the United States, and Uruguay. Dialling 911 links the caller to an emergency dispatch office, a Public Safety Answering Point, which can send emergency responders to the caller's location. In enhanced 911 systems, caller numbers are automatically paired with a physical address.

HOW IT WORKS

When a caller dials 911, the call-taker is expected to establish the essentials quickly:

The location of the emergency, including the street address

The phone number the caller is calling from

The nature of the emergency

Details such as a physical description of a person who may have committed a crime, a description of any fire, or a description of injuries or symptoms of a medical emergency

Call-taker questions are critical to getting the right help to the caller quickly. 911 centers can tell the caller exactly what to do until help arrives – including step-by-step instructions for choking, first aid, or CPR – and, because calls are toll-free, the caller is not expected to hang up until instructed to do so.

Dispatchers use Computer-Aided Dispatch (CAD) to log EMS, police, and fire services, sending messages to responders via a mobile data terminal (MDT) and storing radio logs, field interviews, client information, and schedules. CAD systems can also send call-for-service details to alphanumeric pagers or SMS.

911 automatically provides the dispatcher with the caller's location where available. Automatic Location Identification (ALI) maps the calling number to an address, supported by a companion Master Street Address Guide (MSAG) describing exact street names and number ranges. Data captured during SIM registration and NIN registration would serve as our immediate take-off data for the PSAP.

To locate a mobile phone geographically, two approaches are used: radiolocation from the cellular network, or a GPS receiver built into the phone – described by the radio resource Location Services (LCS) protocol. This yields either Wireless Phase One (WPH1), giving the tower location and call direction, or Wireless Phase Two (WPH2), giving an estimated GPS location. As Voice over Internet Protocol (VoIP) matures in Nigeria, providers can interconnect VoIP with the public switched telephone network, and specialized technology can locate callers down to a specific office on a particular floor of a building.

The national PSAP headquarters brings the full capability together:

Public Safety Answering Point HQ

The national PSAP headquarters brings the full capability together

- Offline monitor triggers – monitors when LCC or SCC are offline
- Online monitor – monitors when LCC or SCC are online
- A very large GIS dashboard covering all 774 LGAs in the country
- A call center of 400 agents
- A toll-free emergency contact number
- Integration with the NIN servers for phone number authentication
- Dedicated 1 GB internet bandwidth
- Satellite uplink and downlink infrastructure
- Training infrastructure
- Data center infrastructure for storing voice calls, response activities, and reports
- A national emergency database designed to archive calls for at least 10 years
- Dedicated call-center software licences
- View-only database access to the Telco customer base
- Integration of all Telcos to the console at the PSAP HQ in Abuja

CRITICAL PARTNERS

Security & Defence

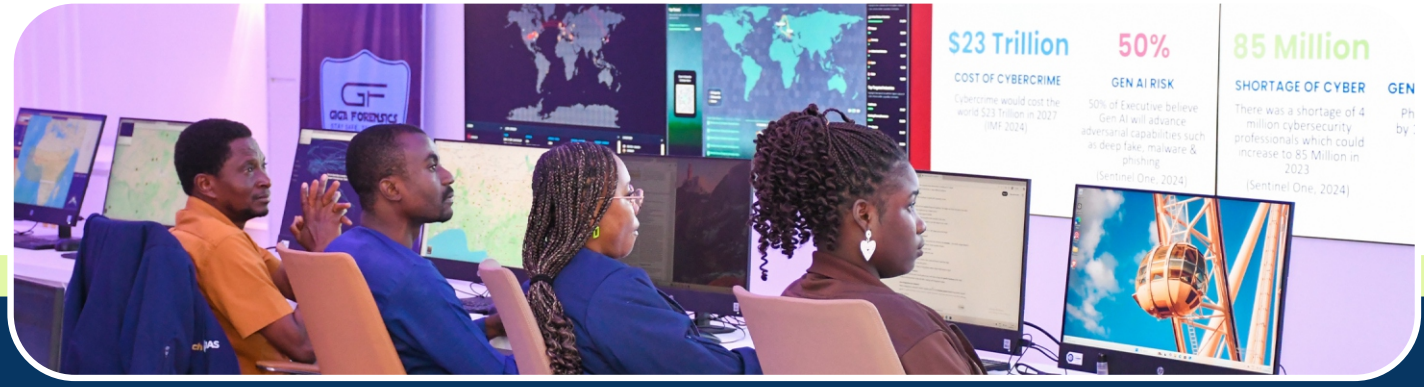
Nigeria Police Force (all 774 LGAs)
Nigeria Security & Civil Defence Corps (all 774 LGAs)
Nigeria Fire Service
Nigeria Immigration Service
Nigeria Customs Service
Nigerian Army
Nigerian Navy
Nigerian Air Force
Department of State Services (DSS)

Telecoms & Regulatory

All Telcos operating in Nigeria
National Communications Commission
National Broadcasting Commission
National Emergency Management Agency
National Planning Commission
National Population Commission

Health & Humanitarian

Nigeria Medical Association
Medical and Dental Council of Nigeria
National Primary Healthcare Development Agency
Ministry of Humanitarian Affairs
Federal Ministry of Health



READY IN 100 DAYS

With the full cooperation of all state governors, the entire National Emergency Contact Center project can be ready to kick off within the next 100 days.

OUR ACHIEVEMENTS

- Successfully contributed to several high-profile national investigations through forensic intelligence and data correlation.
- Designed in-house digital frameworks that enhance accuracy and speed in evidence processing.
- Partnered with key security and law enforcement institutions to strengthen digital monitoring infrastructure.
- Recognized within the EIB Group for excellence in operational support and investigative innovation.



GIGA FORENSICS

STAY SAFE, STAY SECURE

gigaforensics.com
Info@gigaforensics.com