



**TMA**  
TRUE MEDIA ANALYZER  
by Cyber Zones



# TMA | True Media Analyzer

Digital Media Analysis & Evidence Authenticity Platform

Digital Fraud Forensic Intelligence Platforms



Innovation & Research Division

**CYBER ZONES**

# Built for Legal Admissibility & Total Control



## Deterministic Digital Analysis

### No Probabilistic AI.

All results are based on strictly deterministic digital forensic techniques. They are 100% reproducible, ensuring total reliability, auditability, and legal admissibility in official proceedings.



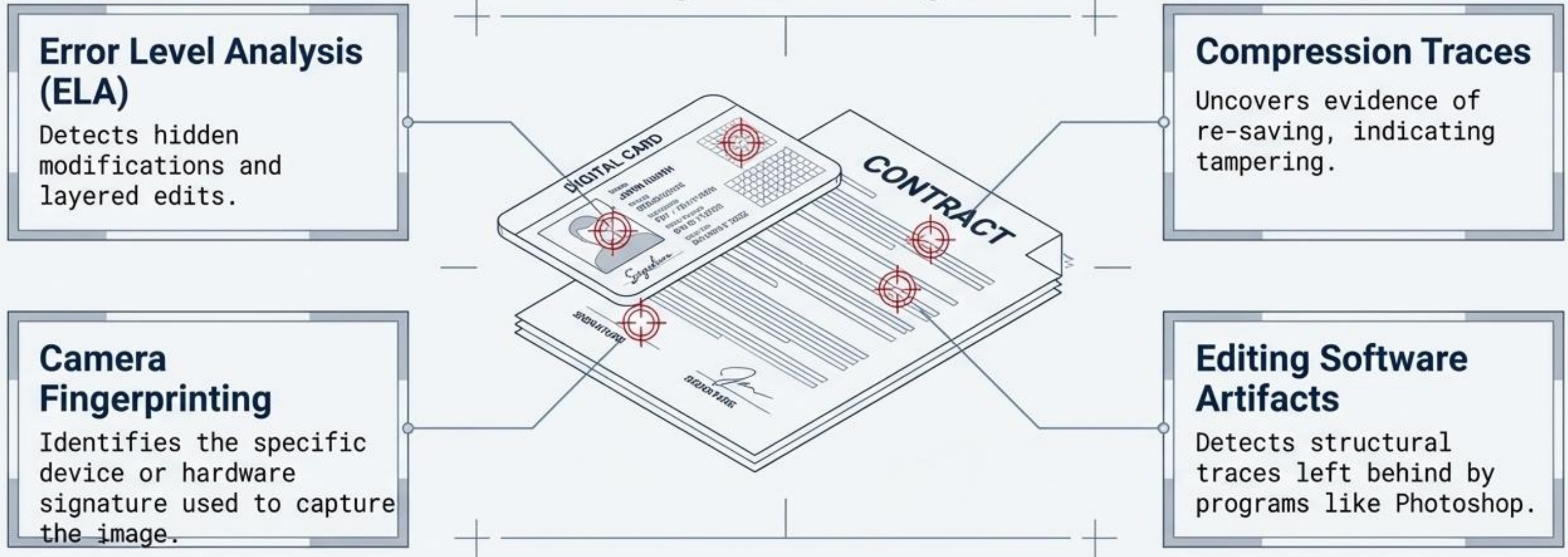
## On-Premise Deployment

### Absolute Data Sovereignty.

Operates entirely within the organization's closed environment. This ensures full control over digital evidence and investigation results without relying on external cloud services, guaranteeing maximum privacy and confidentiality.

# Image Forensic Analysis

## Anatomy of an Investigation



Essential for combating digital forgery by discovering contract modifications, deleted/added information, and the unauthorized merging of documents.

## Malicious Payload Detection

Uncovers malicious macros, hidden JavaScript, and injected executable elements.

## Structural Analysis

Examines deep PDF architecture and identifies hidden date modifications.



## Metadata & Timeline Verification

Analyzes metadata, verifies timestamp sequences, and extracts the file's immutable digital footprint.

Designed to detect manipulation in digital files—one of the most widespread forms of modern fraud (e.g., altering PDF contract terms or using advanced software to hide modifications).

# File Integrity & Threat Discovery



## Entropy Analysis

Detects compressed, hidden, or encrypted files based on data density anomalies.



## YARA Rule Scanning

Inspects files for malicious patterns, malware signatures, and known digital attack vectors.



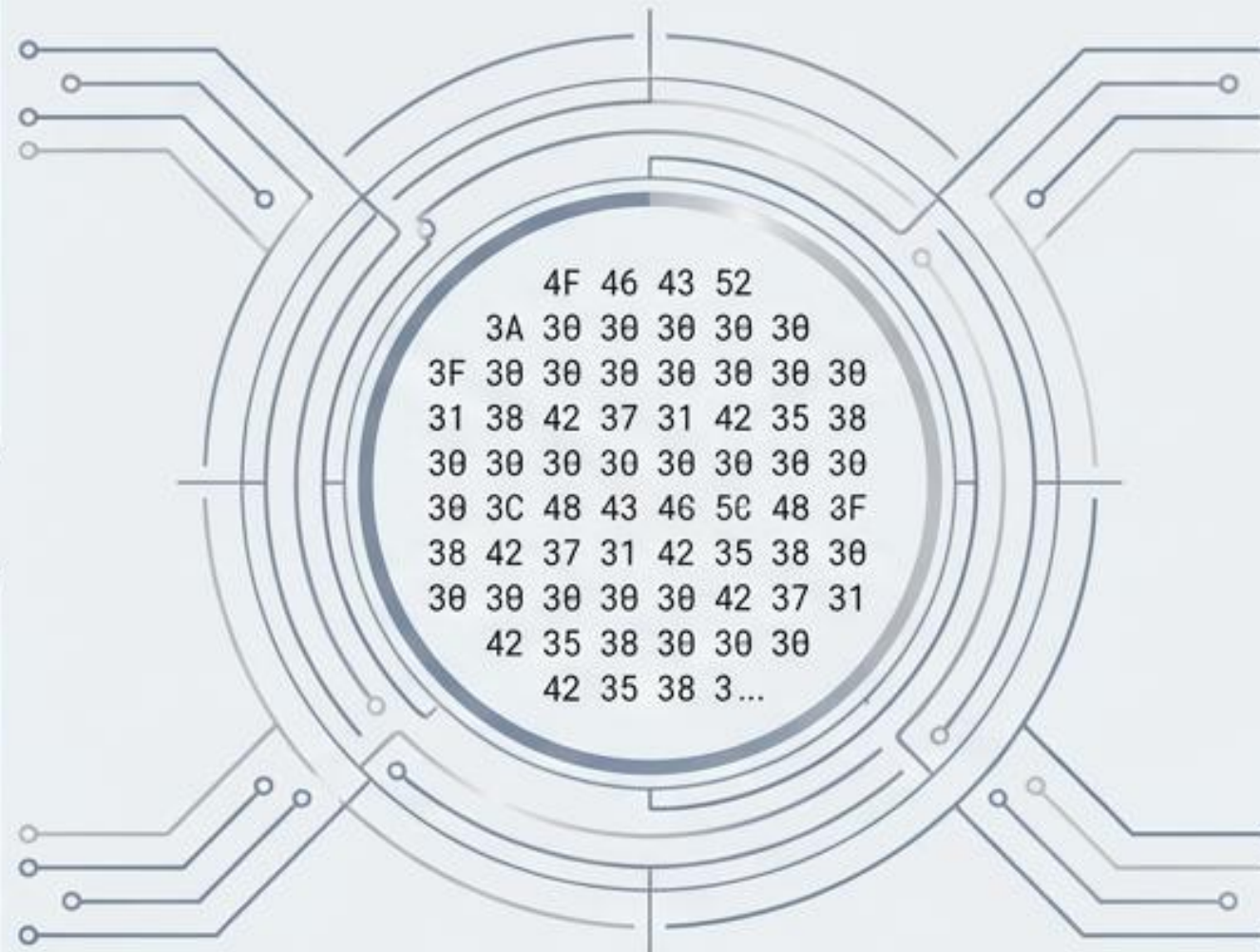
## File Integrity (Hashes)

Calculates and verifies digital fingerprints (MD5, SHA-256) to ensure zero alteration.



## String Extraction

Pulls internal text and analyzes files for unnatural or hidden structural indicators.



# Evidence Integrity & Chain of Custody Forensic Dossier



## 1. Record Operations

All analysis operations are meticulously logged to ensure verifiable evidence integrity and auditability.

## 2. Generate Manifest

Creates a strict Evidence Manifest and calculates immutable digital fingerprints (hashes) for every single file.

## 3. Secure Original

The original, untouched copy of the evidence is securely preserved in a cryptographically isolated vault.

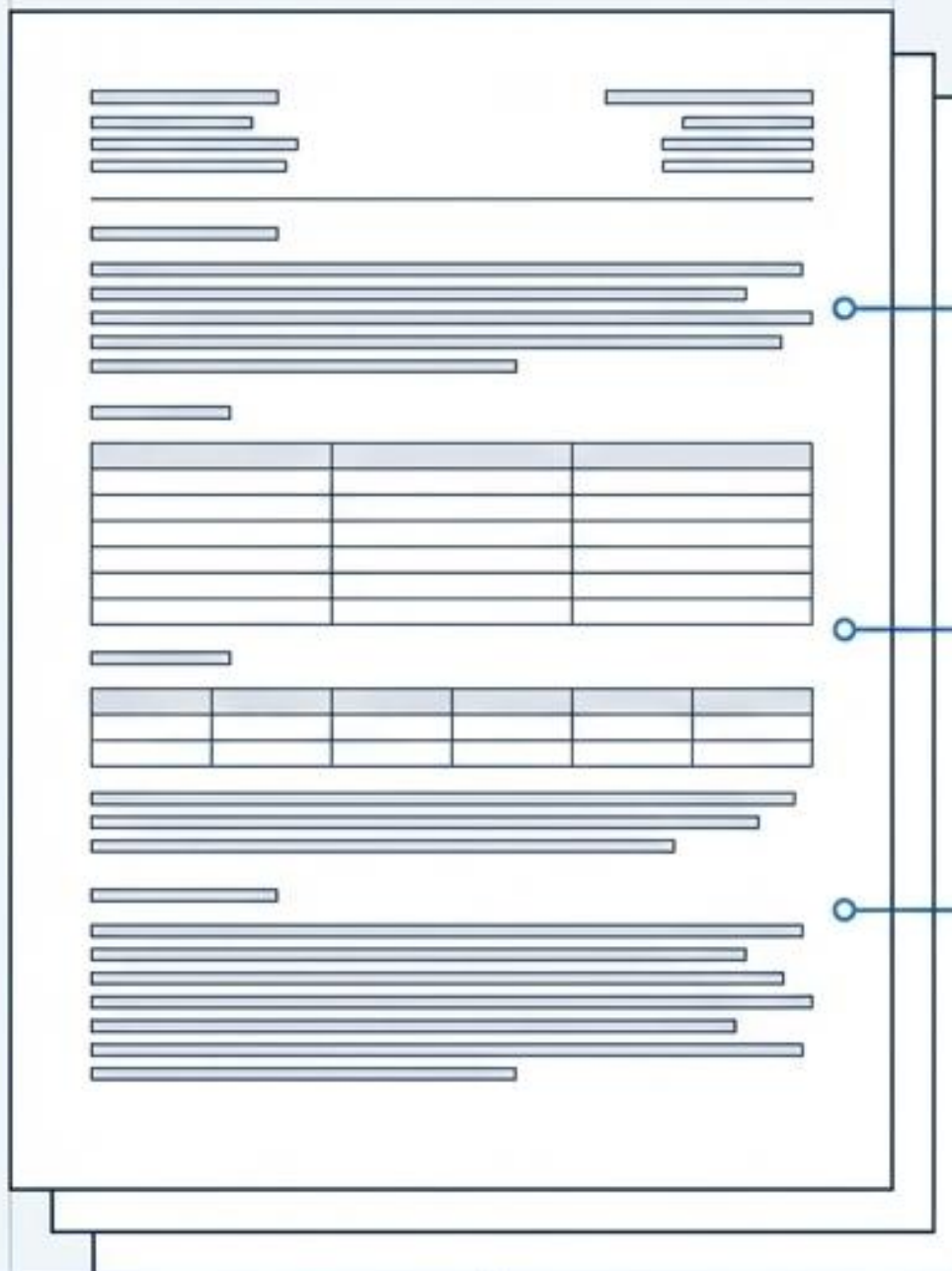
Proves data remains strictly unmodified, supporting undeniable results in official investigations.  
TMA places paramount importance on the pristine handling of digital evidence.

# Professional Forensic Output



**Designed for seamless, authoritative sharing with:**

- Investigation Teams
- Legal Authorities
- Senior Management
- Regulatory Bodies

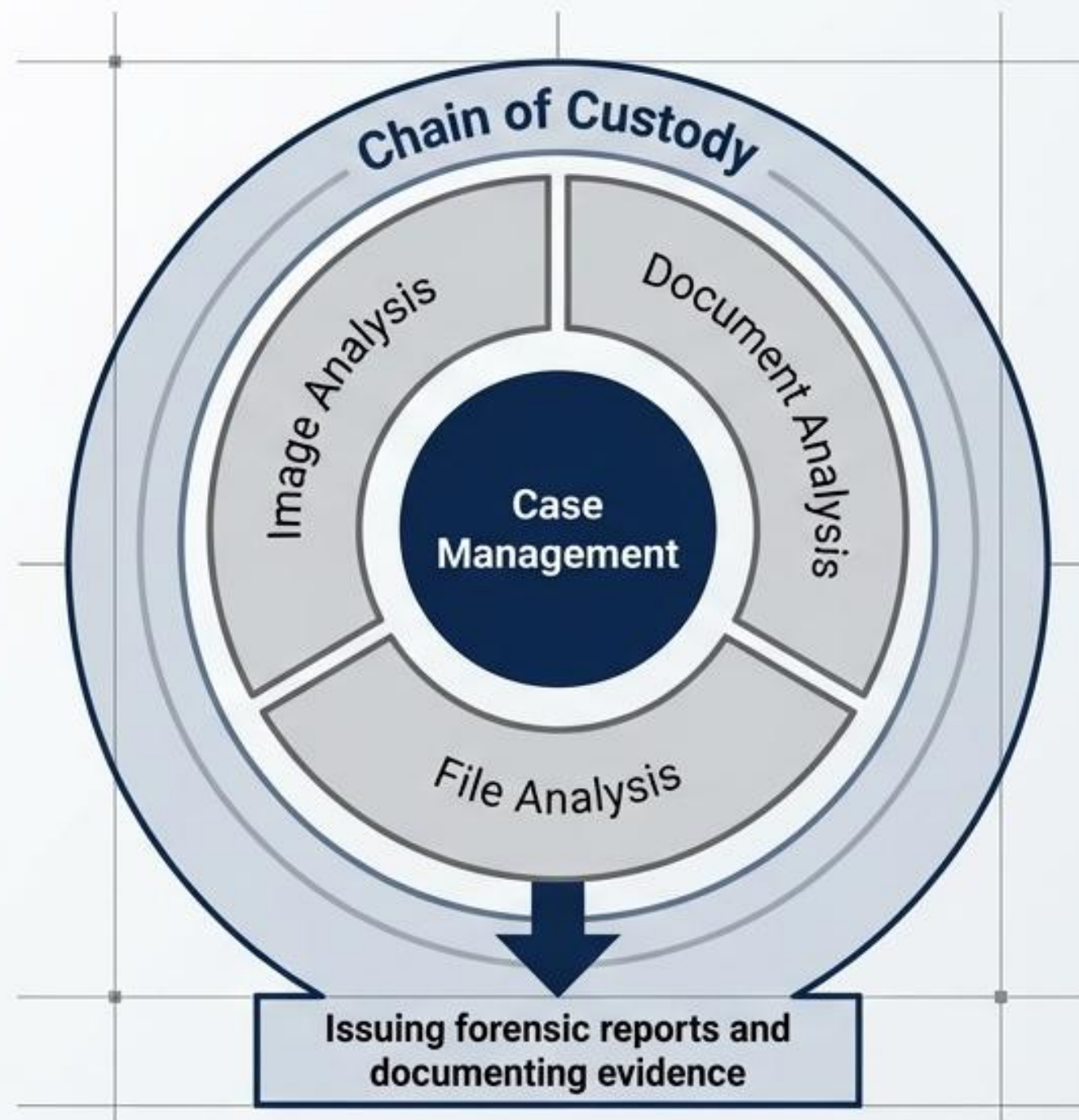


**Evidence Data:** Foundational information and raw technical analysis results.

**IoCs:** Detailed Indicators of Compromise mapped to specific threats.

**Expert Interpretation:** Clear, actionable, human-readable explanations of the complex technical indicators.

# Integrated Ecosystem: Digital Forensics Lab Setup



TMA serves as a foundational platform within the Digital Forensics Lab Setup service. It seamlessly integrates into existing digital evidence labs, acting as the centralized command center to manage critical investigations from initial intake to final evidentiary documentation.

# Platform Differentiation: How TMA Excels



Capability	Traditional Tools	TMA Platform
Media Analysis	Simple or disparate tools ✘	Fully integrated forensic platform ✔
Manipulation Detection	Relies on multiple different vendors ✘	Unified, built-in forensic techniques ✔
Evidence Management	Often completely unavailable ✘	Integrated Case Management System ✔
Investigation Documentation	Highly manual and error-prone ✘	Automated, professional reporting ✔
Result Interpretation	Requires extremely high technical expertise ✘	Built-in professional interpretation ✔
Chain of Custody	Not integrated into analysis tools ✘	Core foundational platform feature ✔

# Practical Applications in the Field



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## Official Documentation

Detecting critical manipulation indicators in images of official records, national IDs, and sensitive government documents.



## Legal Transactions

Verifying the absolute authenticity of contracts and legal documents prior to official reliance in court.



## Government Investigations

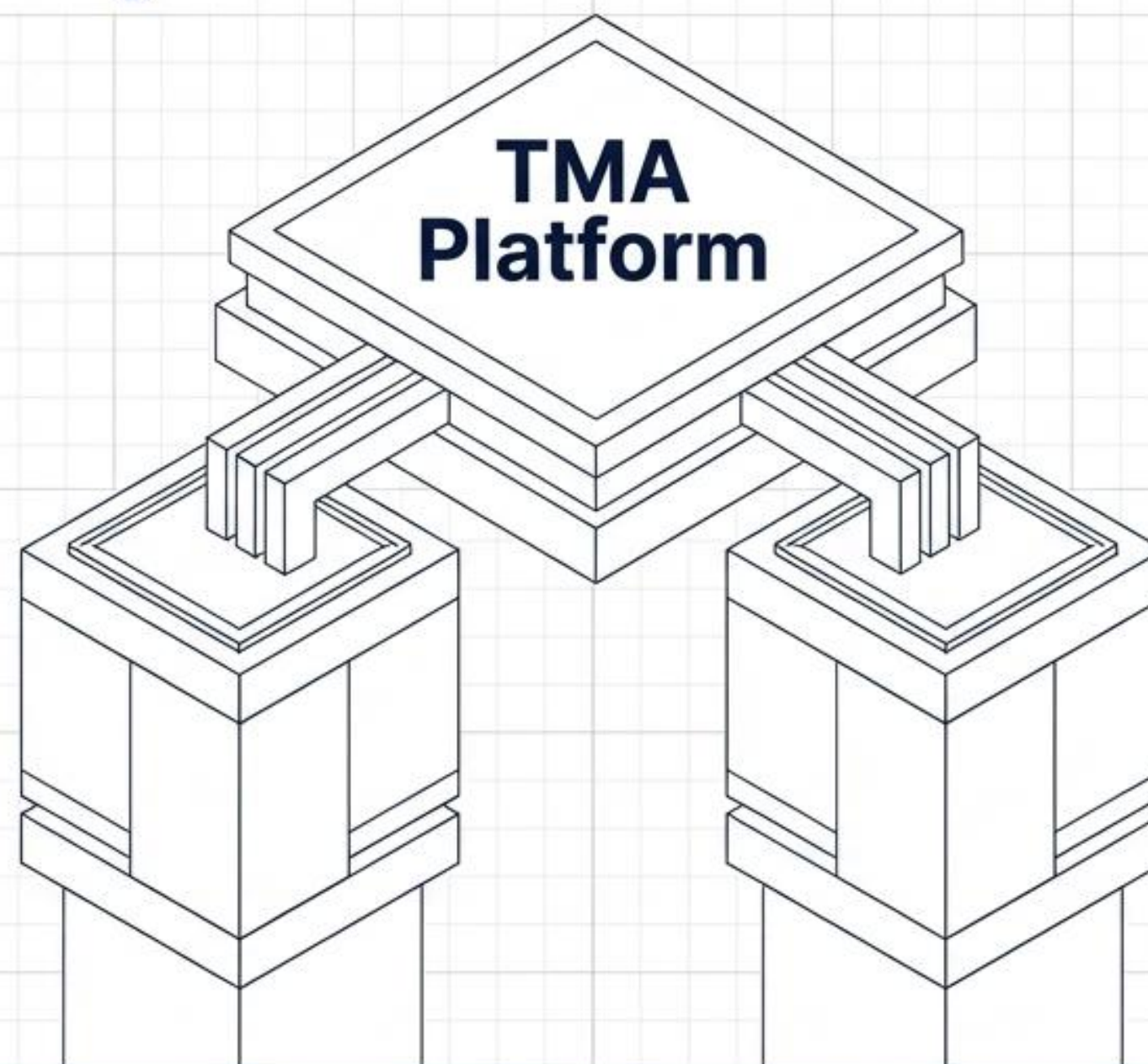
Investigating digital fraud involving altered files, directly supporting and empowering government cyber investigation units.



## Financial Security

Uncovering forgery indicators within financial institutions, such as tampered loan contracts, altered balances, or forged banking records.

# Positioned for the Future of Cyber Security



## Innovation & Research Division

Specializes in building and developing proactive, analytical cyber platforms to aggressively address modern risks.

## Security & Defense Division

Specializes in comprehensive operational cyber security services (assessments, penetration testing, incident response).

**CYBER ZONES**

An advanced digital forensic engine built to dramatically elevate critical investigations and combat the rapidly evolving global landscape of digital forgery.

# Beyond Technical Analysis

TMA is not merely a technical tool—it is a comprehensive digital investigation platform. It utilizes advanced, deterministic techniques to aggressively expose digital forgery and rigorously protect the absolute reliability of digital evidence.

*\*Note: TMA results provide powerful, deterministic support for digital investigations, serving as undeniable expert evidence rather than final judicial rulings.\**

Experience the Platform: Cyber Zones invites interested organizations and official bodies to engage with TMA.

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