

# Digital Forensics: Uncovering the hidden value

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THE STAGE HAS BEEN SET  
You are the CIO in a Big Company!!

**1**

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Phishing attacks deceive your staff into believing a big investor wants in

**2**

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Competitors launch products with your stolen Intellectual Property

**3**

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CEO's smartphone has spyware

**4**

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Your top competitor wins every RFQ against you

**5**

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Accounting pays an invoice to fraudsters

# THE STAGE HAS BEEN SET

## You are the CIO in a Big Target!!

# 6

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Hackers gain access to corporate bank account and steal millions

# 7

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You are locked out of your cloud hosted servers

# 8

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Someone posts company secrets on social media

# 9

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Users receive bounces from unauthorized forwarding to unknown accounts

# 10

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Ransomware locks every PC and server in your domain

A vibrant landscape scene featuring a bright sun in the upper left corner, casting a starburst effect across a clear blue sky. The sun is partially obscured by a lens flare. The sky is filled with scattered white clouds. In the foreground, a lush green field stretches across the bottom. The middle ground is dominated by a range of mountains, with some peaks covered in dense green trees and others showing rocky, sparsely vegetated slopes. The overall atmosphere is bright and sunny.

sunny Day?

sunny Day

# FACT

**During or after a serious Security Incident  
everybody has a TON of questions**

And they come to **YOU** for **ALL** the answers!

# BUT

Can you have **ALL** the answers?

Do you have **TIME** to play Sherlock?

Do you want to be the one **REPORTING** to  
Management **WHILE FIXING** the issue?

Do you have the **EXPERIENCE** and **LAB** required  
for Forensics?

Can you prepare the **EXPERT REPORT**?

Can you provide assistance to **LAWYERS**?

# THE STAGE HAS CHANGED

## Are you the CIO in a Big Company?

# 1

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LEGAL needs to be briefed on technical aspects of the Incident

# 2

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The DPO is concerned about private data leakage

# 3

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The BoD requires answers and GUIDANCE

# 4

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LAW ENFORCEMENT and REGULATORS need to be notified

# 5

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CONFLICT of INTEREST is always an issue

**FACT**

**And there is always the  
MISTRUST  
after an Incident**

You will need someone to **bridge the gap** between Tech and Non-Tech people





“ What **ALPHABIT** can do for **YOU**?  
**Dimitris GEORGIU** and **Spiros PITIKARIS** will uncover the  
true, the hidden value of **DIGITAL FORENSICS** ”

## Who we are

Alphabit was founded in 2008, by Dimitris Georgiou, providing a complete set of Information Technology and Cybersecurity Services.

By the end of 2020, Dimitris cooperates with Stavros Aronis, they both increase share capital and transform the company to ALPHABIT SA.



### Our people.

Alphabit has a team of certified and highly-qualified engineers, tackling complex IT and cybersecurity projects.



### Our certifications.

Alphabit consultants hold current industry-standard certifications (CISSP, CPFA, CPSP, NSE, eJPT, BelkaCE) and by the mid of 2023, the company will be certified according to ISO 27001.



### Our vision.

To become a **noteworthy** player in the **European Cybersecurity** landscape by assisting enterprises achieve **Resilience** and **Data Protection**, offering **expert Consulting** and a Forward-Thinking attitude towards **Success**, by leveraging the **Agility** of a boutique company.

## Digital Forensics Incident Response

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Incident Management

Data Acquisition and  
Recovery

Digital Forensics  
Investigation

Expert Report

Expert Testimony in a  
court of Law

**Expert Consulting for  
legal and technical  
personnel**

## Governance, Risk Management and Compliance

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Risk Assessment  
Vulnerability Assessment

Penetration Testing

Risk Treatment

Regulatory Compliance  
Audit

Policies and Procedures

Training

## Managed Security

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Security controls

CISO-as-a-Service

Cybersecurity Audit

Cybersecurity Awareness  
Training

Threat Intel & Response  
(Incident Response, SOC-  
as-a-Service)

Backup Management

## IT Management

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Monitoring,  
administration and  
oversight of the IT  
operations: hardware,  
software, network

Designing IT Strategies

Telecom Support

On-site and remote IT  
Support

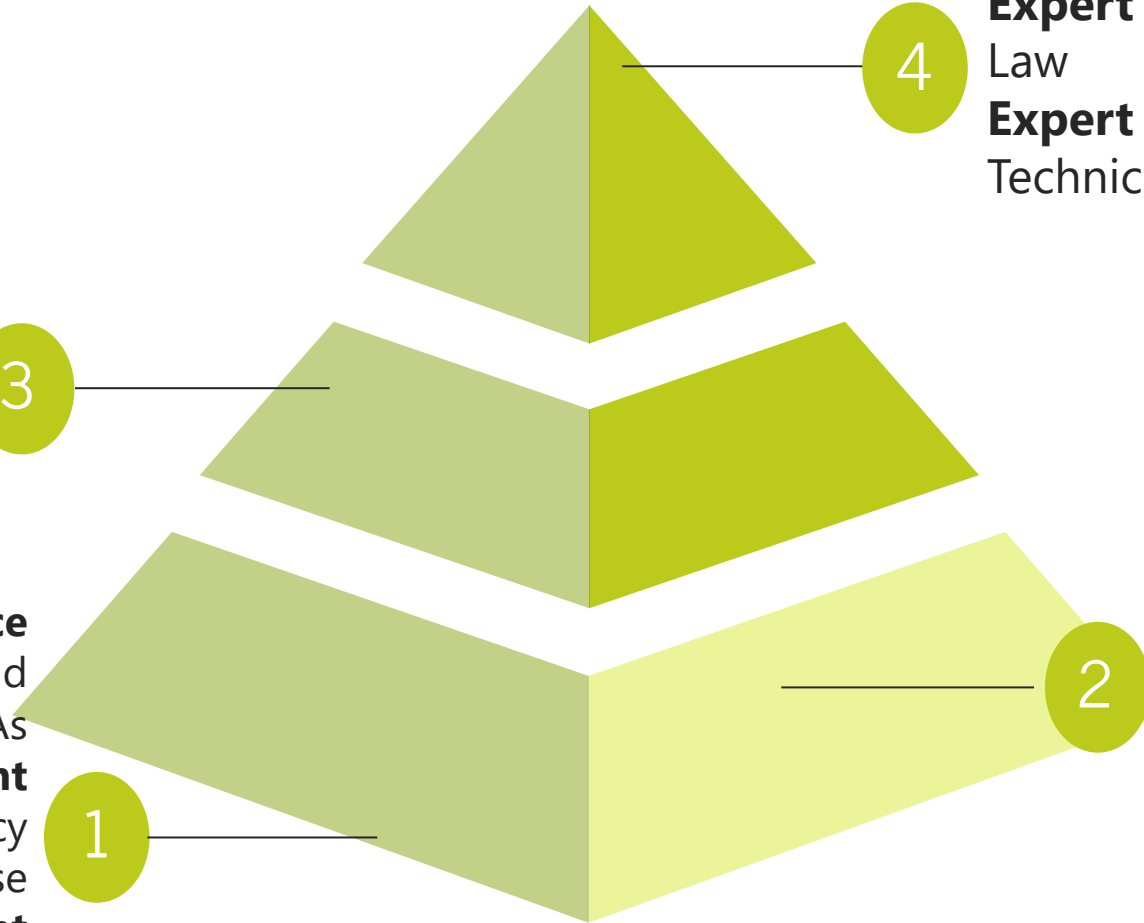


Our process in Digital Forensics is **easy** and **independent**

# Our process

**Digital Forensics Investigation**  
Alphabit Forensics Laboratory  
Certified Forensics Analysts  
Reliable tools and platforms

**Make arrangements well in advance**  
Familiarize teams, technologies and protocols, sign NDAs  
**Predetermine Rules of Engagement**  
Proactive, Threat Hunting, Emergency response  
**Incident Management**  
Policies, Procedures, Training over tabletop and actual exercises



**Expert Report** to be also used as evidence in court proceedings  
**Expert Testimony** in a court of Law  
**Expert Consulting** for Legal and Technical personnel

**Respond, Protect the scene and Contain threat.**  
**Acquire and document evidence** from all digital sources (mobiles, computers, IoT, embedded systems)

...easy and independent

# Step 1

Retain you trusted  
Consultant

## PREPARE

Incidents occur unplanned!  
**What will you do when the moment comes?**





## Step 2

Move fast, protect the evidence, resume operations

## RESPOND

Who | What | Where | When | Why

# Step 3

Analyze evidence and present findings in an understandable fashion

## INVESTIGATE

Use forensically sound techniques to acquire and categorize evidence

The methodology, expertise and experience of your Digital Forensics consultant will have **major impact** on your case

```
elif _operation == "MIRROR_Y":
    mirror_mod.use_x = False
    mirror_mod.use_y = True
    mirror_mod.use_z = False
elif _operation == "MIRROR_Z":
    mirror_mod.use_x = False
    mirror_mod.use_y = False
    mirror_mod.use_z = True

#selection at the end -add back the deselected mirror modifier object
mirror_ob.select= 1
modifier_ob.select=1
bpy.context.scene.objects.active = modifier_ob
print("Selected" + str(modifier_ob)) # modifier ob is the active ob
#mirror_ob.select = 0
done = bpy.context.selected_objects[0]
bpy.data.objects[done.name].select = 1
```



# Step 4

Help non-technical people understand and use the conclusions drawn

## REPORT

Provide Expert Consulting

**Legal personnel need assistance to fully utilize forensic findings**

Provide Expert Testimony

**Provide courtroom assistance in exhibiting forensic evidence**





# What can be **EXAMINED?**

## ALPHABIT FORENSIC LABORATORY

Mobile phones and computers  
Storage media  
E-mail and communication apps  
Cloud platforms and services  
Audio recordings - video footage  
GPS systems  
Audio/Video systems - DVR/NVR  
Specialized electronic equipment  
Vehicle electronics

# ALPHABIT FORENSIC LABORATORY

Financial fraud

Theft or sale of company secrets

Employment matters (grounds for dismissal)

Surveillance and Industrial espionage

Harassment and Cyberbullying

Theft of intellectual property

Inappropriate use of social media

Breach of information systems

What cases  
can **BENEFIT?**

Συμμετέχουμε και σας προσκαλούμε



*The* **POWERAI**  
*in* **CYBER SECURITY**

26 & 27 ΑΠΡΙΛΙΟΥ 2023,  
ΩΔΕΙΟ ΑΘΗΝΩΝ

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**Thank you  
all for your attention.**

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**QUESTIONS ?**