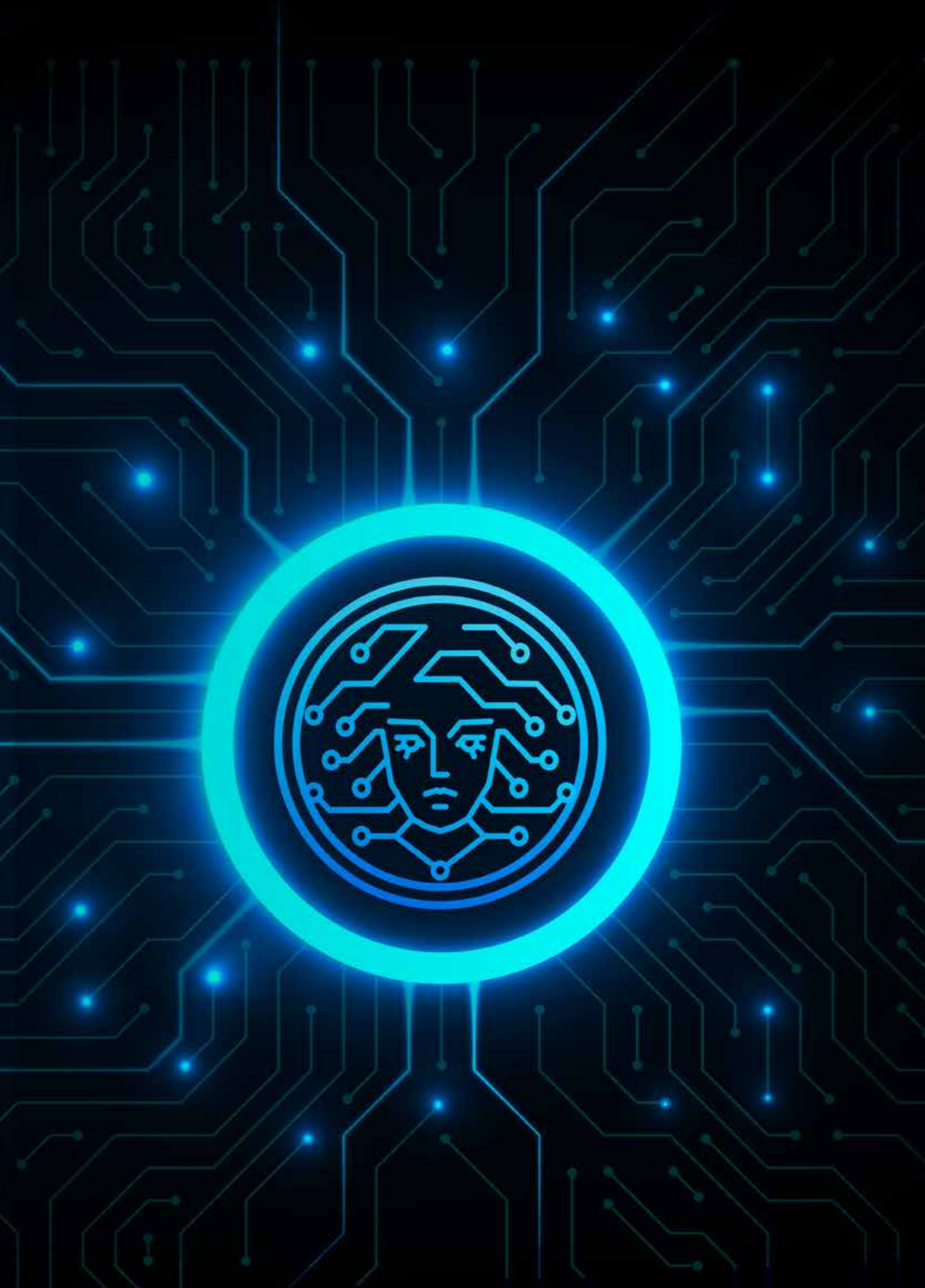




# MEDUSA CYSEC

COMPANY PROFILE  
[WWW.MEDUSACYSEC.COM](http://WWW.MEDUSACYSEC.COM)



# **AVERTING CYBER THREATS**

## **DEEPENING CYBER IMMUNITY**

COVID-19 pandemic has shown how economies and societies are vulnerable to biological risks. The same has also shown how our reliance upon digital technologies increased our vulnerability to cyberattacks. Imagine a cyberattack with COVID-like characteristics. It would spread faster and further than any biological virus. A COVID-like cyber-pandemic spreading in a digital realm that is increasingly merging with our physical world will be even more devastating to governments, businesses, and individuals. So better be prepared for the next pandemic – the cyber-pandemic.

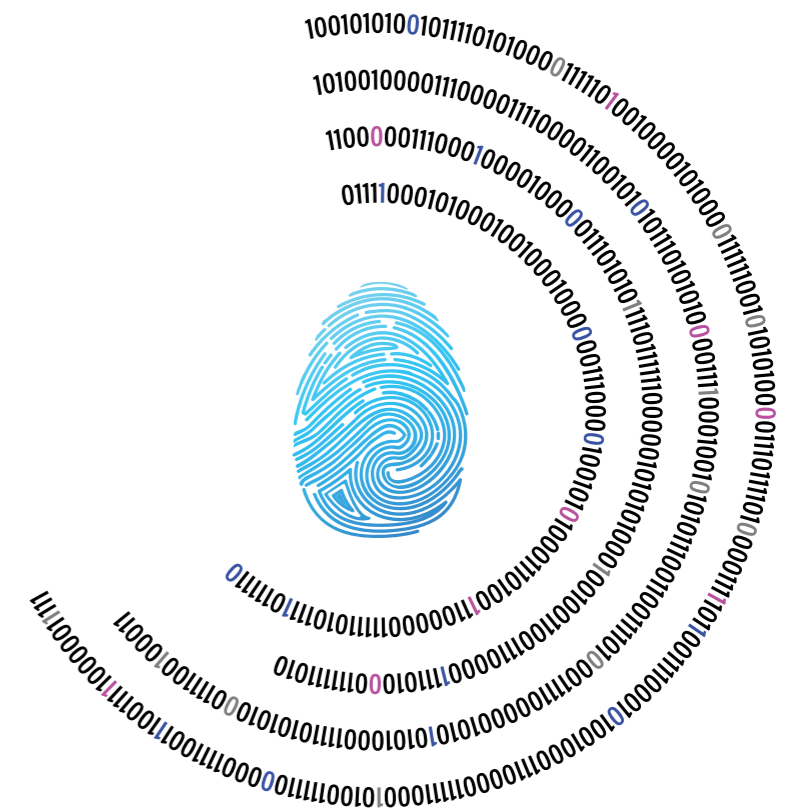


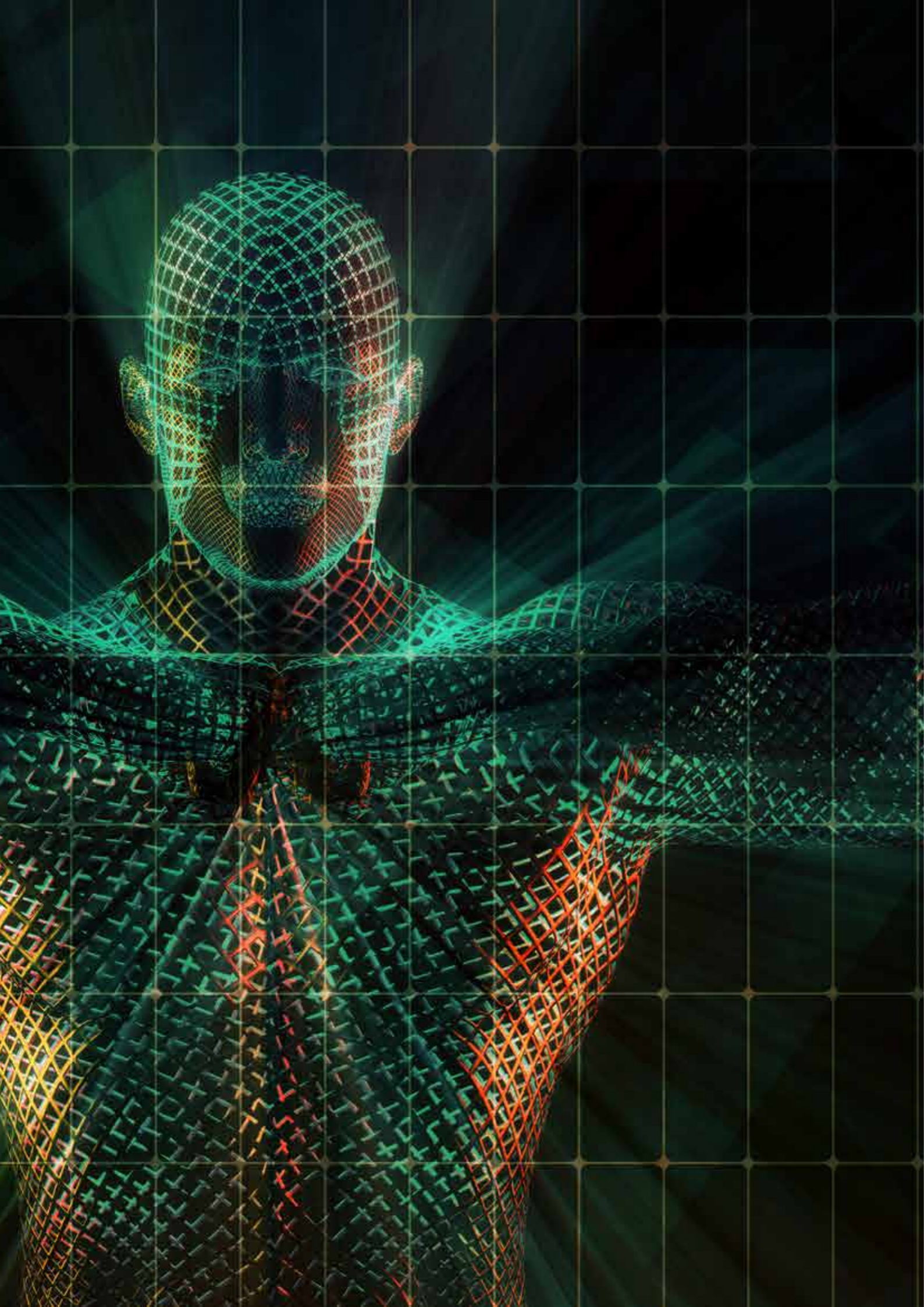
## MISSION

Medusa Cysec's mission is to provide a resilient and goal-enabling cyber-environment through a relentless and painstaking quest to identify, design, and deliver customized security services and solutions.

## VISION

To become a world-class cyber-leader that is consistently crafting and delivering superlative and resilient Cybersecurity strategic solutions.





## VALUES



### 01 Security

Use our talent and skills to deliver innovative technical mission-critical solutions that protect infrastructures, organizations, & individuals.



### 02 Integrity & Accountability

Maintain business ethics, and operate under the highest standards.



### 03 Reliability

Our clients can always depend on us for timely delivery.



### 04 Partnership

Our clients can always depend on us for timely delivery.



# **LEADERSHIP**

*Chairwoman*  
**Malak Trabelsi Loeb**

*Managing Director*  
**Amr El-Zidy**



**Malak Trabelsi Loeb**  
Chairwoman

*Malak Trabelsi Loeb*

Malak Trabelsi Loeb (Ph.D. Candidate) is the Founding CEO of Trabelsi Loeb Legal Consultants, Vernewell Corporation, and Medusa Cysec. She is an International Business Law and International Space Law and Space Policies Senior Legal Consultant with ten years of experience in the legal field, more than fifteen years in international business, and extensive knowledge of disruptive technologies and the latest economic trends. Mrs. Loeb practice focuses on complex International Business Transactions, Due Diligence, International Contracts, Foreign Investment, Legal and Political Risks, Commercial legal matters, Alternative Dispute Resolution, Corporate Governance, Company Law, Space Insurance, New Space Legal Challenges, and Space Policies, in addition to disruptive technologies' legal challenges and compliance.

In addition to providing legal advice to innovators, start-ups, corporations, public institutions, and disruptors, Mrs. Loeb is a strategist, economist, investor, and renowned entrepreneur with international commercial expertise Mrs. Loeb holds a Bachelor of Law & Economics, an LLM in International Business Law, and a Master in Public International Law and European Law from Sorbonne University Abu Dhabi, UAE – Paris Descartes France.

She completed her Bachelor and Masters with honor and highest GPA/First Class Student, and currently making her Ph.D. Candidacy at KU Leuven, Belgium. Being a solid opponent for life-long education, Mrs. Loeb continues to take steps forwards to be at the forefront of technologies. She completed various executive courses, including MIT's Artificial Intelligence: Implications For Business Strategy. She is the Founder of the "Women WE Can" International Platform, Advisory Board Member, Mentor, International Public Speaker, writer, Gender Equality Advocate, and Human Rights defender. She is also well known for her "Sustainable Space For Humanity" advocacy, based on her multidisciplinary research on International Law and Sustainable Development. She is advocating the need to balance socio-economic development with the environmental protection of the outer space domain while maintaining its peaceful use to benefit the present and future generations.

**"In a digital era, we should be concerned about a future cyber pandemic as much as our concern about COVID-19 and be prepared to manage the related risks and implications for the business continuity and public safety. By joining forces, we can build a secure digital future for a safer hybrid space."**

Malak Trabelsi Loeb



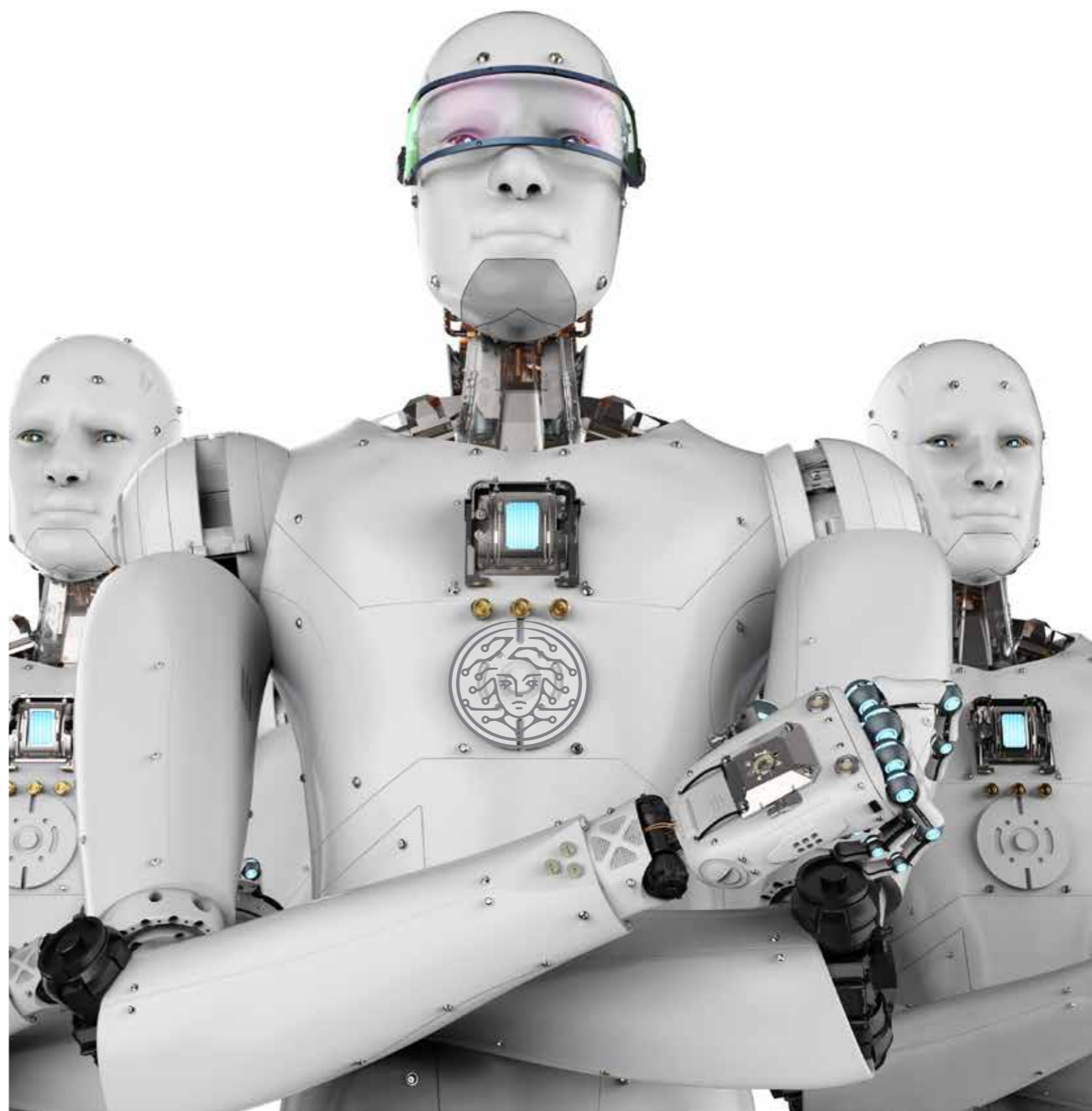
**Amr El-Zidy**  
Managing Director

*Amr El-Zidy*

Amr has over 14 years of experience in the ICT / Cyber Security domains, architecting and developing solutions and opportunities focusing on applying the state of art technologies such as Artificial Intelligence, Blockchain, and Quantum Technology. Amr is spending most of his career in Information Security Consultation, Training, and Awareness. He is taking advantage of his hands-on experience in carrying out risk assessments, compliance, security Governance, security audits, and security Operation, Amr provides consultation services for enterprises, SMBs, and Start-Ups security projects in several industries serving many organizations and companies, In a strive to raise the efficiency of cyber-security operation and cybersecurity awareness.

Amr is an entrepreneur and business advisor for multiple start-ups starting from verifying the ideas to creating marketable and valuable products/services, including balancing between technology, business, and security. Amr's leadership focuses on cooperation and building teams and communities, and he believes that the actual power is in the communities/team, not in the individuals.

# UNITED AGAINST CYBER WARS





# SERVICES

## **CYBERSECURITY CONSULTANCY**

Virtual CISO

Cybersecurity Architecture & Configuration Review

Social Engineering Simulation

Cyber-Insurance Review





## VIRTUAL CISO

Medusa Cysec offers Virtual Chief Information Security Officer (vCISO) services to organizations that need outsourced security expertise and guidance on an ongoing basis. More than half of Cyberattacks target small to mid-sized businesses, and sixty percent of them go out of business within six months of the hack or data breach. vCISO is the best fit for start-ups, small to mid-sized businesses, and growing businesses in need of an outsourced Cybersecurity service, in-house or online, to support the management or provide interim solutions.



Medusa Cysec's vCISO program operates following the rules of Confidentiality, Integrity, and Availability. As a result, we enable a framework for risk-free and scalable business operations in an ever-challenging cyber environment.

Medusa Cysec's vCISO covers myriad tasks, including strategic and tactical cyber solutions. In addition, Medusa Cysec's vCISO develops and implements suitable security policies, processes, and procedures and manages the required security compliance to ensure business continuity. Medusa Cysec's vCISO Services.

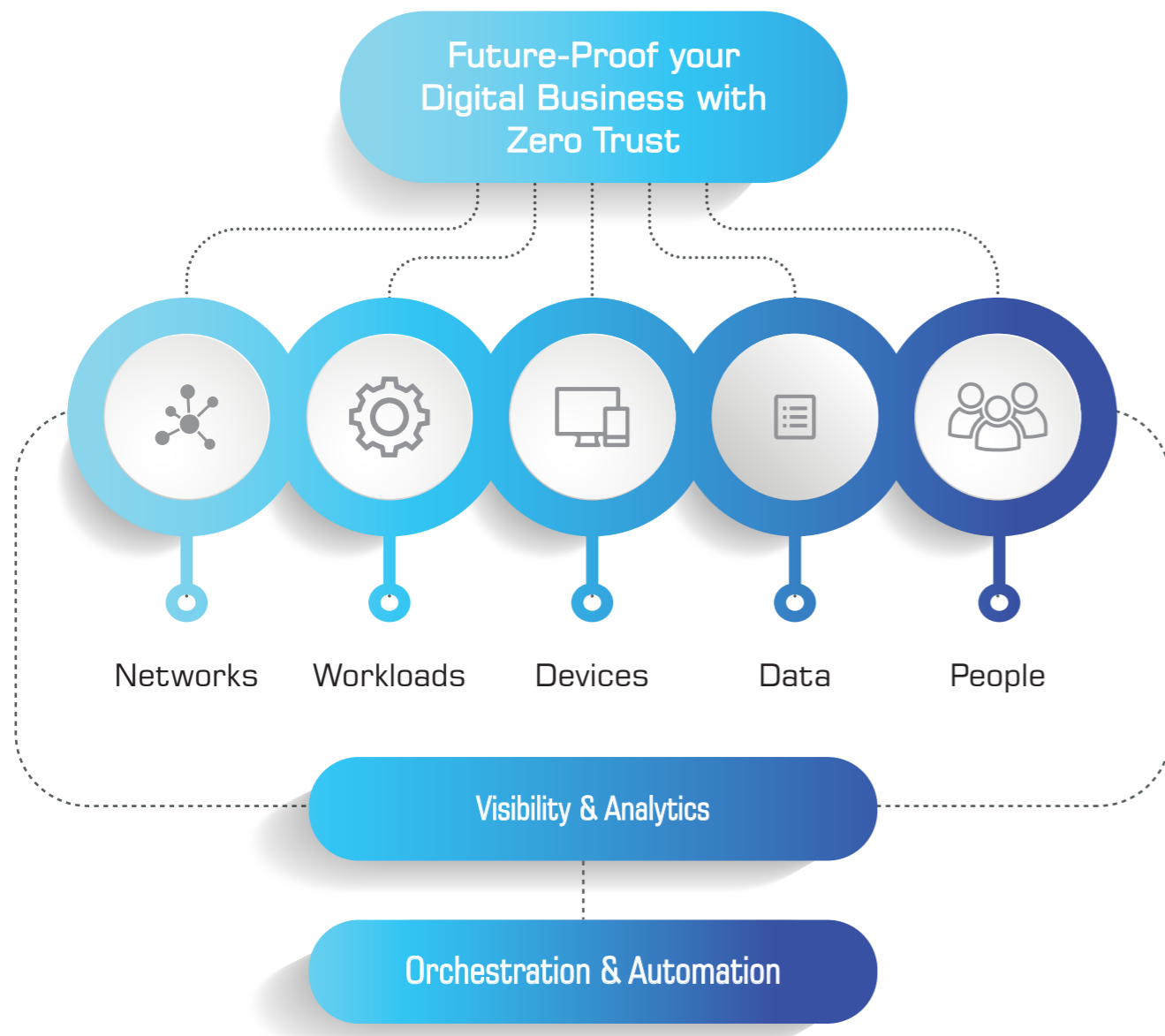
### Medusa Cysec's vCISO Services:

- |   |  |  |
|---|--|--|
| <b>01</b><br>Information Security<br>Leadership and<br>Guidance           | <b>06</b><br>Incidents<br>Identify, Report,<br>and Control           | <b>11</b><br>Establishing a<br>Disaster Recovery<br>Plan and a Business<br>Continuity Plan |
| <b>02</b><br>Steering Committee<br>Leadership and<br>Participation        | <b>07</b><br>Managing the<br>Information<br>Security Budget          | <b>12</b><br>Conducting<br>Third-Party<br>Vendor Security<br>Assessments                   |
| <b>03</b><br>Security Compliance<br>Management                            | <b>08</b><br>Security Testing  | <b>13</b><br>Risk Management   |
| <b>04</b><br>Security Policy,<br>Process, and<br>Procedure<br>Development | <b>09</b><br>Identification<br>and Access<br>Management              |  |
| <b>05</b><br>Security Training<br>& Awareness                             | <b>10</b><br>Monitoring Threats<br>and Taking Preventive<br>Measures |  |



## CYBERSECURITY ARCHITECTURE AND CONFIGURATION REVIEW

"Never Trust, Always Verify" is the best approach to balancing optimum security and business continuity. Medusa Cysec offers Cybersecurity Architecture and Configuration review based on the seven principles of zero trust security model over Network Security, Identity and Access Management, Infrastructure Security, Device Misconfigurations, Application Security, Data Security, Security Operations Architecture and Cloud Security to protect the business from evolving threats.



## SOCIAL ENGINEERING SIMULATION

"Medusa Cysec uses the latest techniques and tactics in conducting Social Engineering Simulations to evaluate and assess security awareness in organizations and societies. Furthermore, we create customized educational programs under our Social Engineering Simulation, focusing on closing the security awareness gaps to protect businesses and individuals from social engineering threats.

Social Engineering and Phishing Simulations are simulated attacks from the perspective of cybercriminals. Medusa Cysec Social Engineering Simulations are conducted to test organizations' people, procedures, and processes on-site or via email or phone in an attempt to breach the existing information security.

### Medusa Cysec Social Engineering Simulation Benefits

Identify Risks	Identify Your Digital Footprint	Improve Security Awareness	Conduct Cybersecurity Training	Reduce Risk of Getting Phished
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### Medusa Cysec Social Engineering Simulation Approach

Reconnaissance	Mobilization
Execution	Evaluation

## CYBER-INSURANCE REVIEW

To mitigate cyber-risks and face surging cyber-attacks, Medusa Cysec's team helps your organization navigate the Cyber-Insurance products labyrinth. Our Cyber insurance experts assist organizations in choosing the right insurance coverage and review the policy. In addition, the Medusa Cysec team helps stakeholders analyze existing coverage and assess the costs of data breach responses before a cyber-attack occurs.



**ROBUST  
SECURITY  
FEATURES TO  
SAFEGUARD  
DATA AND  
PRIVACY**



# **CYBERSECURITY ASSESSMENT SERVICES**

Risk & Vulnerability assessment

Code Security Assessment

Red Teaming

Governance, Risk Management, & Compliance





## RISK & VULNERABILITY ASSESSMENT

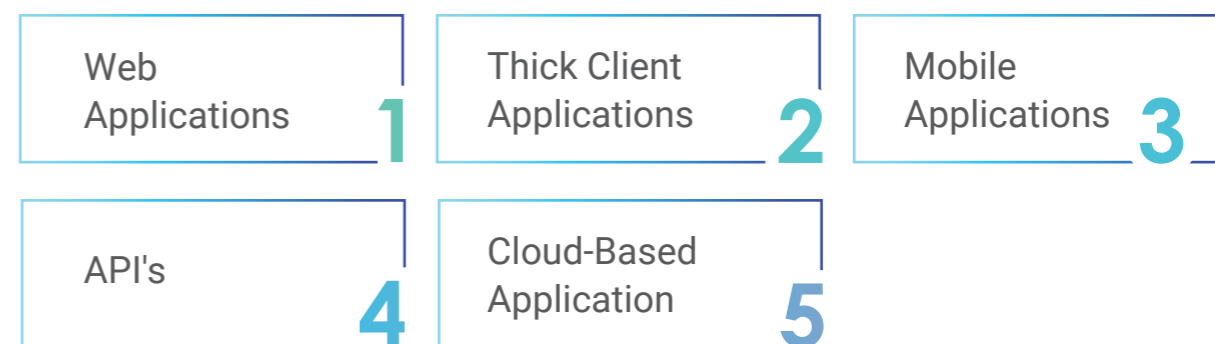
The visibility into potential exposures is a must to prioritizing cybersecurity investment and recourses. Medusa Cysec offers a remediation plan after doing an in-depth evaluation of your risk posture and better understanding the current state of the vulnerabilities and threats impacting your security.



## CODE SECURITY ASSESSMENT

More than 30% of external attacks come from software vulnerabilities, and by using manuals and automatic methods to discover hidden vulnerabilities, Medusa Cysec assesses the applied security control to keep you safe.

### Covered Applications



## RED TEAMING

Real attacks target the three elements of information security (Cyber, Physical, and Human), and stimulating real-world scenarios attacks will assess detection & response capabilities and prioritize the security investments. Medusa Cysec Red Teaming Operation runs over MITRE ATT&CK kill chain to generate an in-depth report that includes a complete overview of running activities and actionable insight supporting risk remediation.



## GOVERNANCE, RISK MANAGEMENT, AND COMPLIANCE

Medusa Cysec Governance, Risk Management, and Compliance services help to align the IT process with business objectives to enhance business value and maintain business sustainability.

Our team strives to set the practices and processes that manage IT and security risks, reduce costs, and meet compliance requirements.



### GOVERNANCE

Encompasses rules, policies, & processes/  
Ensures corporate activities are aligned to support business goals/  
Encompasses Ethics, Resource Management, Accountability, and Management Controls.

### RISK

Includes processes of identifying, assessing, and controlling financial, legal, strategic, and security risks/  
Reducing risk/  
Applying resources to minimize, monitor, and control the impact of negative events/  
Maximizing positive events.

### COMPLIANCE

Adhering to rules, policies, standards, and laws set forth by industries and government agencies.  
Mitigating risks of poor performance, costly mistakes, fines, penalties, and lawsuits.



# ACHIEVING A BALANCE BETWEEN TRANSPARENCY AND ACCESS TO DATA AND THE PROTECTION OF PERSONAL INFORMATION, SYSTEMS AND PHYSICAL SECURITY





## **MANAGED SECURITY SERVICES**

Managed Endpoint Detection and Response  
Managed Network Detection and Response  
Managed Security Operations Center  
Managed IT Services





## MANAGED SECURITY SERVICES

Medusa Cysec Managed Security Services averts the increased, sophisticated cybercrime threats. Our experts offer day-to-day monitoring and managing your systems, network, and data to defend your organization's infrastructure. Medusa Cysec Managed Security Services includes Analysis, Detection and Response, Security Orchestration, Automation and Response (SOAR), Incident Response, and Threat Management.



01

### Managed Endpoint Detection and Response

More than 68% of organizations were victims of endpoint attacks, and to protect you from being the next victim, Medusa Cysec offers managed endpoint detection and service that work proactively to detect malicious behavior and hunt the threats in real-time.

Medusa Cysec experts are dedicated to implementing the necessary mechanisms to mitigate the attacks' risk.



02

### Managed Network Detection and Response

"Network never lies." To hunt true threats that are injected into the network and to increase the OI of the existing security controls, Medusa Cysec experts monitor the network itself and the communication between devices. Our network detection and response services monitor the network traffic across the network, including the Endpoint, IoT, and cloud. With Medusa Cysec's Managed Network Detection and Response, our experts strive to maintain your operations' continuity by hunting the real threats and taking action.



03

### Managed Security Operations Center

To maximize cyber protection and reduce the cost of resources, Medusa Cysec offers Managed Security Operations Center 24/7/365 that focuses on increasing the visibility, minimizing the breach impact, reducing time to detect and respond, staying steps ahead of attackers, and Keeping businesses and individuals informed of the risk.



04

### Managed IT Services

Medusa Cysec offers customized solutions to your organization and saves you the hurdle of finding talented IT employees, knowing that the related hiring process cycle has expended six months. Medusa Cysec is your Cybersecurity partner, and our Managed IT Services are not limited to outsourcing. Medusa Cysec offers in-house Managed IT to take over your Infrastructure management.



# **MEDUSA CYSEC TRAINING AND MENTORING HUB**

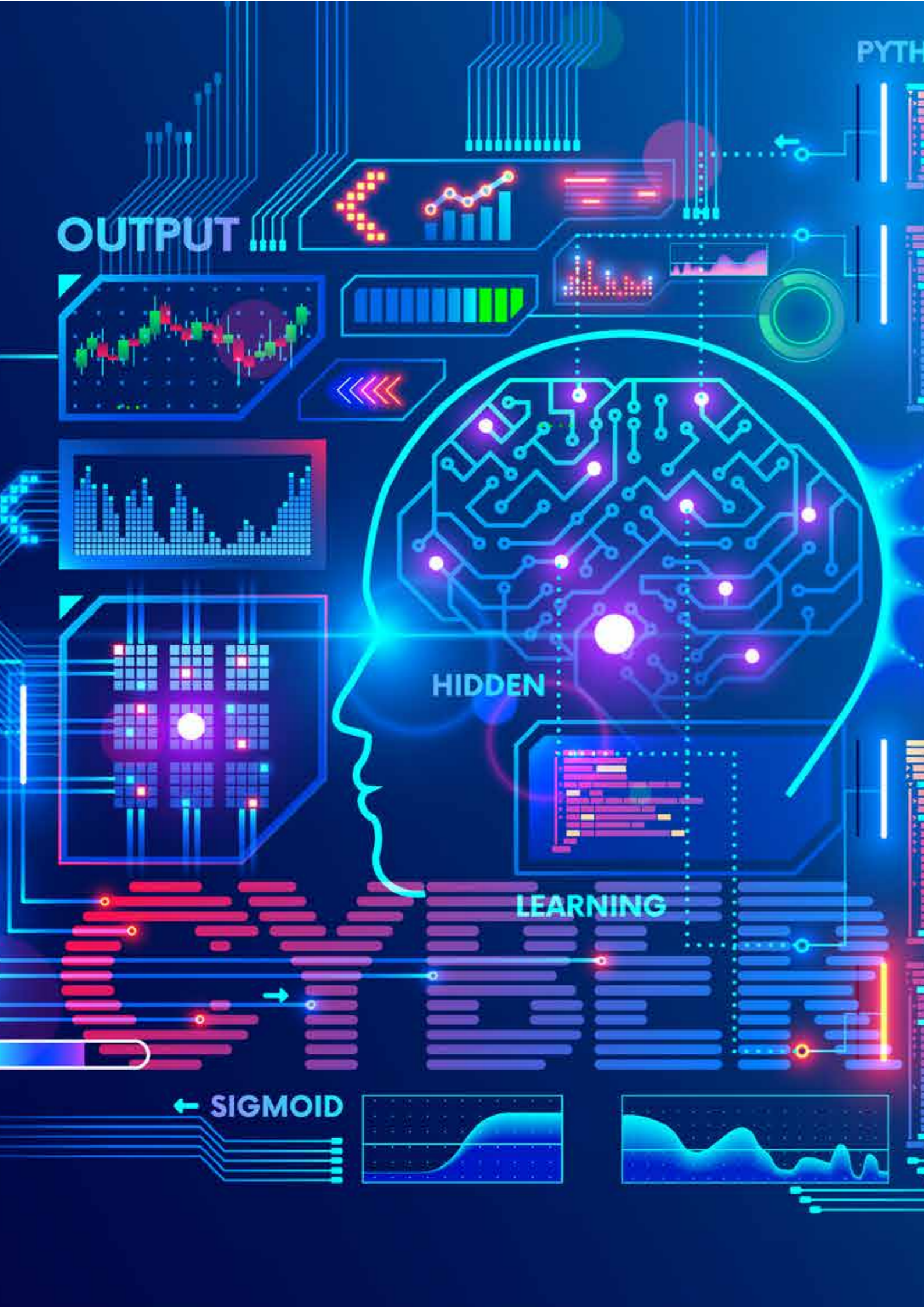


## **MEDUSA CYSEC TRAINING AND MENTORING HUB**

Medusa Cysec strives to deliver customized training for individuals and organizations. Our training programs are designed based on expertise and background. From Cyber for the non-technical background to the most sophisticated cyber expertise, our mentors and trainer take you through a journey to reach your goal.

Under the Mentorship program, Medusa Cysec's team is dedicated to walking you through cybersecurity career development by providing learning and growth, empowering more women in cybersecurity to close the gender gap, and catalyzing innovation among young cybersecurity professionals.

## **TOGETHER AGAINST A CYBER PANDEMIC**



# **MEDUSA CYSEC INNOVATION CENTER**

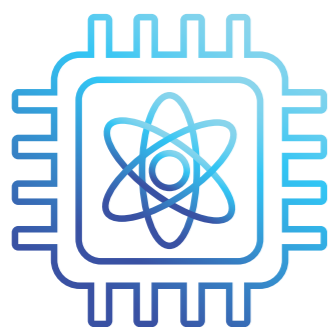


## MEDUSA CYSEC INNOVATION HUB

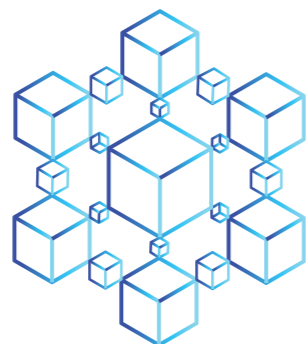
COVID-19 demonstrated the ability of alike incidents to disrupt the way we live and cause socioeconomic havocs exponentially, and a cyber-pandemic will be no different. History showed how fast the 2003 Slammer Sapphire Worm spread. The fastest worm in history spread over 75,000 infected devices in 10 minutes and doubled in size every 8.5 seconds.

A cyber equivalent of Covid-19 pandemic using new techniques or "zero-day" exploits would infect devices globally. Thus, a future cyber-pandemic is inevitable, and there is a compelling need to join forces and work on immunization and quarantine strategies, preparedness, and mitigation solutions to minimize the risks.

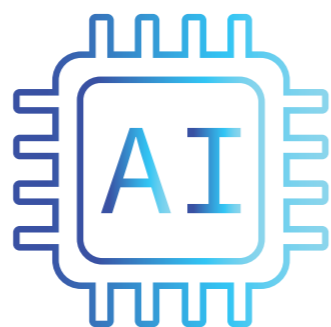
Medusa Cysec Innovation Center is a multidisciplinary ecosystem focused on creating a culture of innovation. Our Innovation Center is dedicated to bringing together various stakeholders to innovate cybersecurity solutions, enhance cooperation, catalyze research and development, create new cybersecurity products and services, and implement cutting-edge technologies in cybersecurity to prepare for what is next.



Quantum Computing



Blockchain

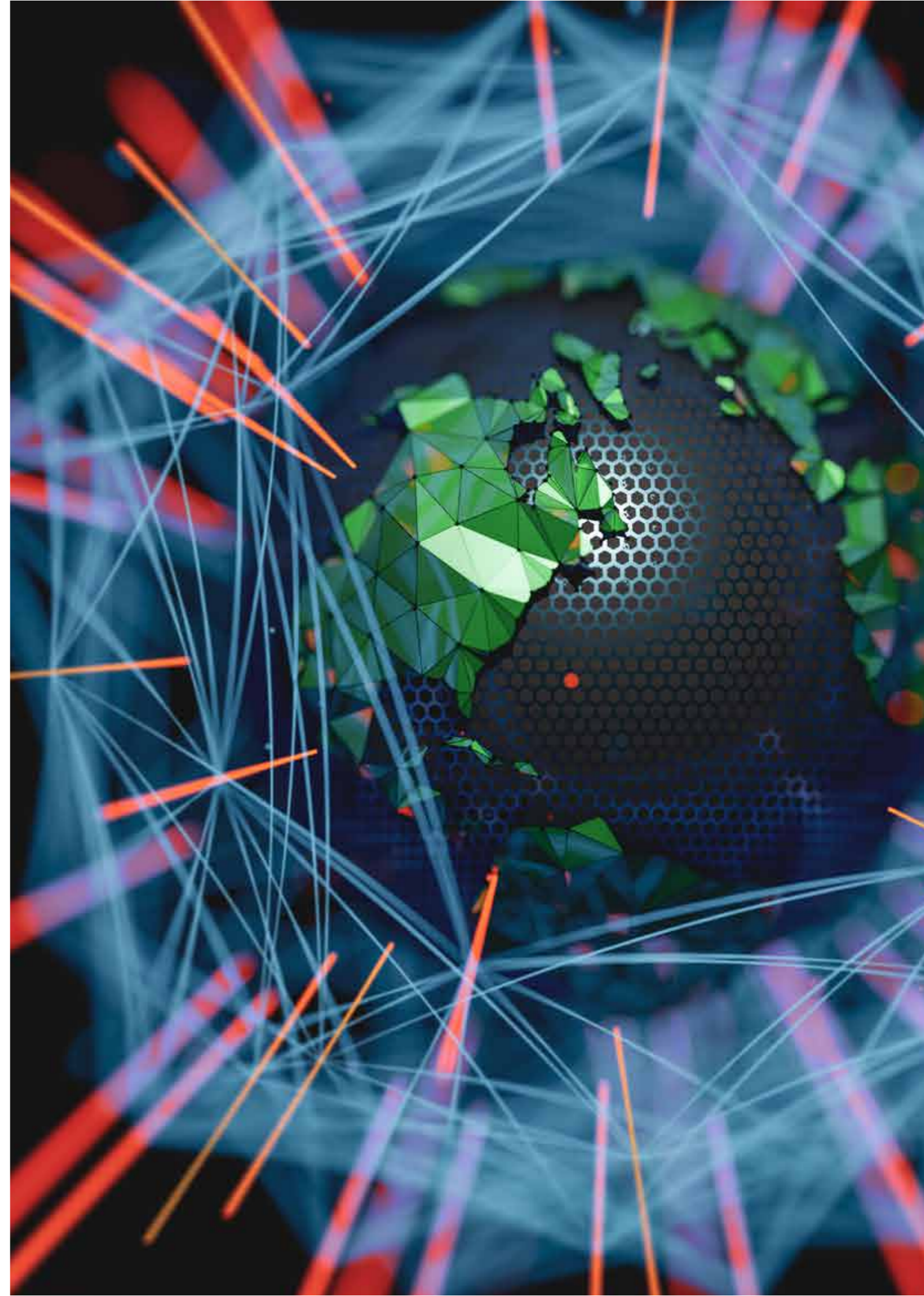


Artificial Intelligence





# **PROACTIVELY HUNT FOR KNOWN AND UNKNOWN THREATS**





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