CIBERSECURITY

Corporate Presentation

mrHouston

DATA&TECHSOLUTIONS

Who is mrHouston?

Our story

We have been maximizing our client's value for over 18 years. We are a key player in ICT management.

Who we are

Our multidisciplinary, highly qualified team is composed of 50 people.

What we do

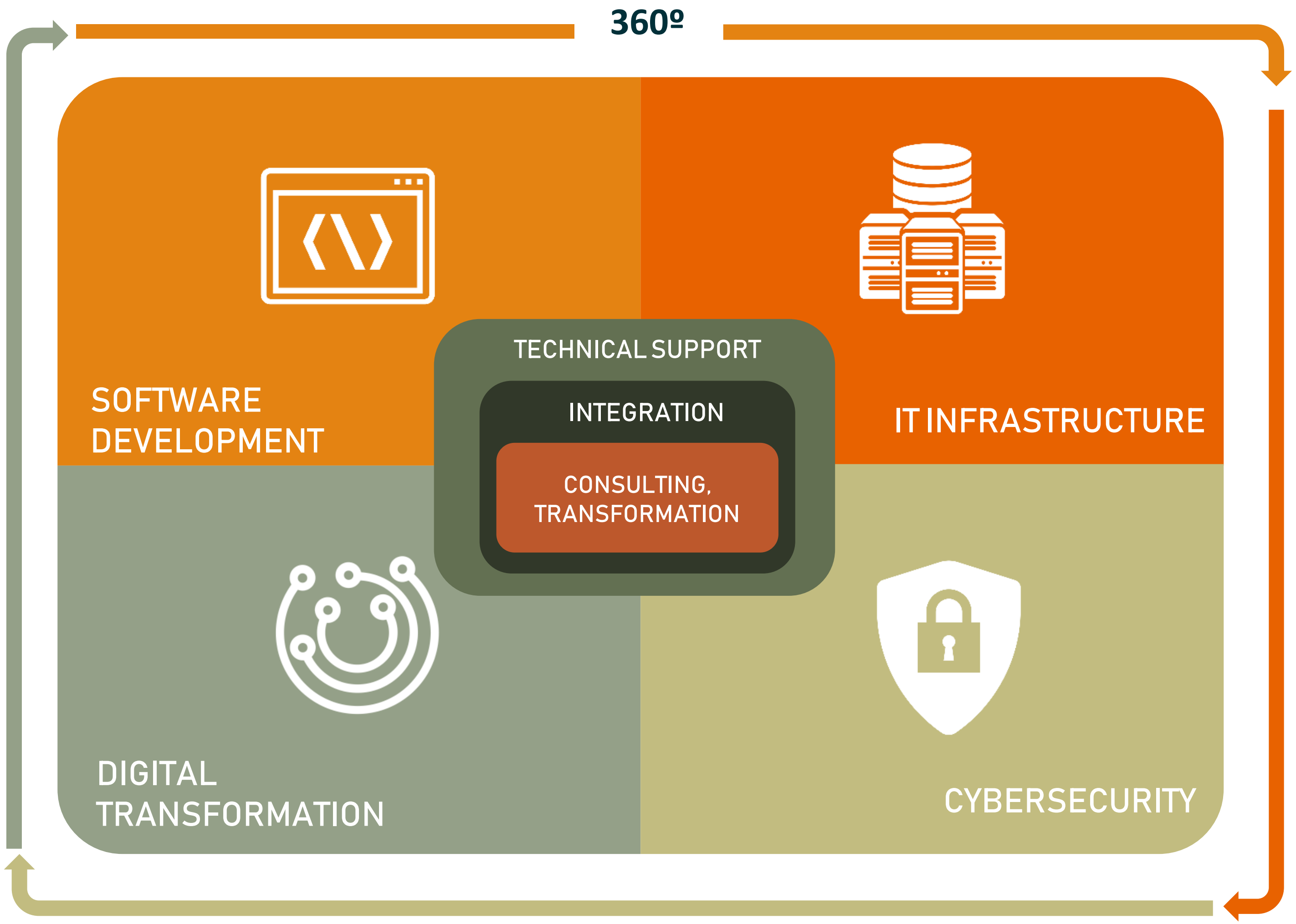
We cover every technological need of our clients giving 360º IT service. We nurture large scale projects in a wide array aspects.

How we do it

We are at the forefront of IT and we empathetically and dynamically understand our clients' businesses.

Our values

Knowledge, trust, commitment and confidentiality.



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Portfolio of Services

We are your Technology Partner

Software Development

- Development Methodologies and Operation.
- Customized Programming.
- Web Applications.
- Mobile Apps.
- Integrated Solutions.

IT Infrastructure

- Network Operations Center 24x7x365.
- Network and Workstation Management.
- Cloud Services/Platforms.
- Business Continuity and Contingency Plans.
- Office Setup.

Cybersecurity

- Analysis and Integration Of Solutions and Equipment.
- Monitoring Services.
- Security Audits + Ethical Hacking.
- Corporate Security Processes.

Digital Transformation

- Technological Ecosystem Design.
- Professional As A Service.
- Digitization.
- Digital Transformation.
- Business continuity.
- Consulting.

To What IT Threats Are We Exposed?

Most Frequent Cyberthreats

Phishing

A fraudulent attempt to obtain private information by pretending to be a trustworthy entity or person through email or other channels.

Scam

A fraudulent or deceptive trick through spam or social engineering techniques that is an attempt to access to private information by convincing the user of the rendering of a service.

Ransomware

Malicious software that infects the system and denies access to files and other affected areas. A ransom payment is demanded in order to make files accessible again.

Data theft

If no precautions are taken, information can always be intercepted by third parties that are usually focused on data theft or leaks.

Cyberattacks in Context

Only 37% of companies have a response plan.

Cyberattacks have increased a 41% in just one year.

The average budget to solve security problems is **€33,700**.

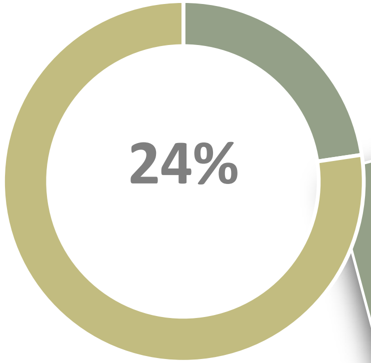
In 2017 there were **159,700** cyberattacks on business in Spain.

Cyberattacks cost a total of 265 million euros.

70% of companies affected by cyberattacks are **SMEs.**

Causes of Data Leaks

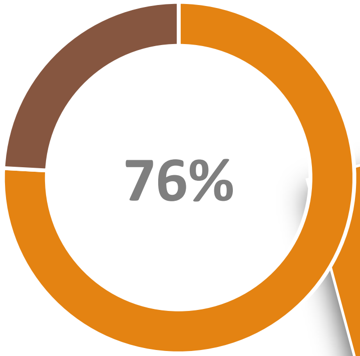
Who is the Attacker?



Internal attacks

- Ignorance or accident
- Technological employees
- Disloyal employees

- Pen drives, SPAM credentials
- Own devices (BYOD)
- Botnets
- Social engineering social media
- Data breach
- Theft and/or sale of sensitive information

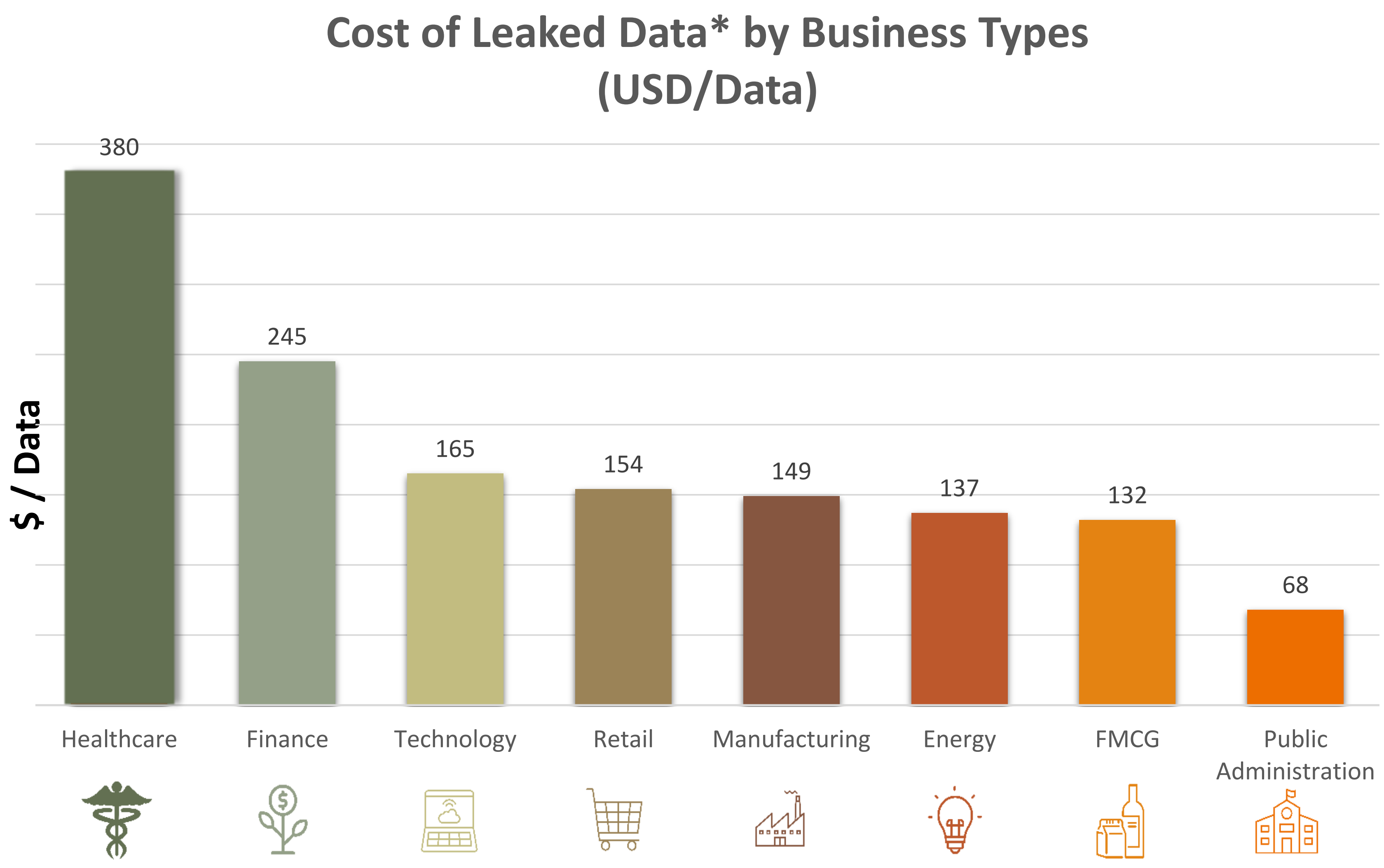


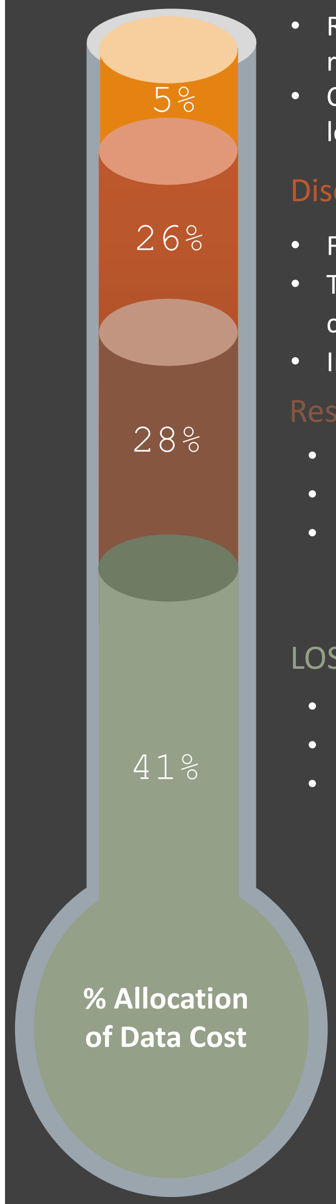
External malicious attacks

- Business partners
- Malicious attacks, cybercriminals

- Social engineering
- DDoS (Anti denial-of-service)
- Botnets
- Malware
- Spam

Cost of a Data Leak





Notifications

- Research on regulatory requirements
- Cost of communications and letters

Discovery and escalation

- Forensic analysis and audit
- Team’s time management on crisis management
- Internal communications

Resulting costs

- Investigation
- Legal expenses
- Incentives to gain customer loyalty

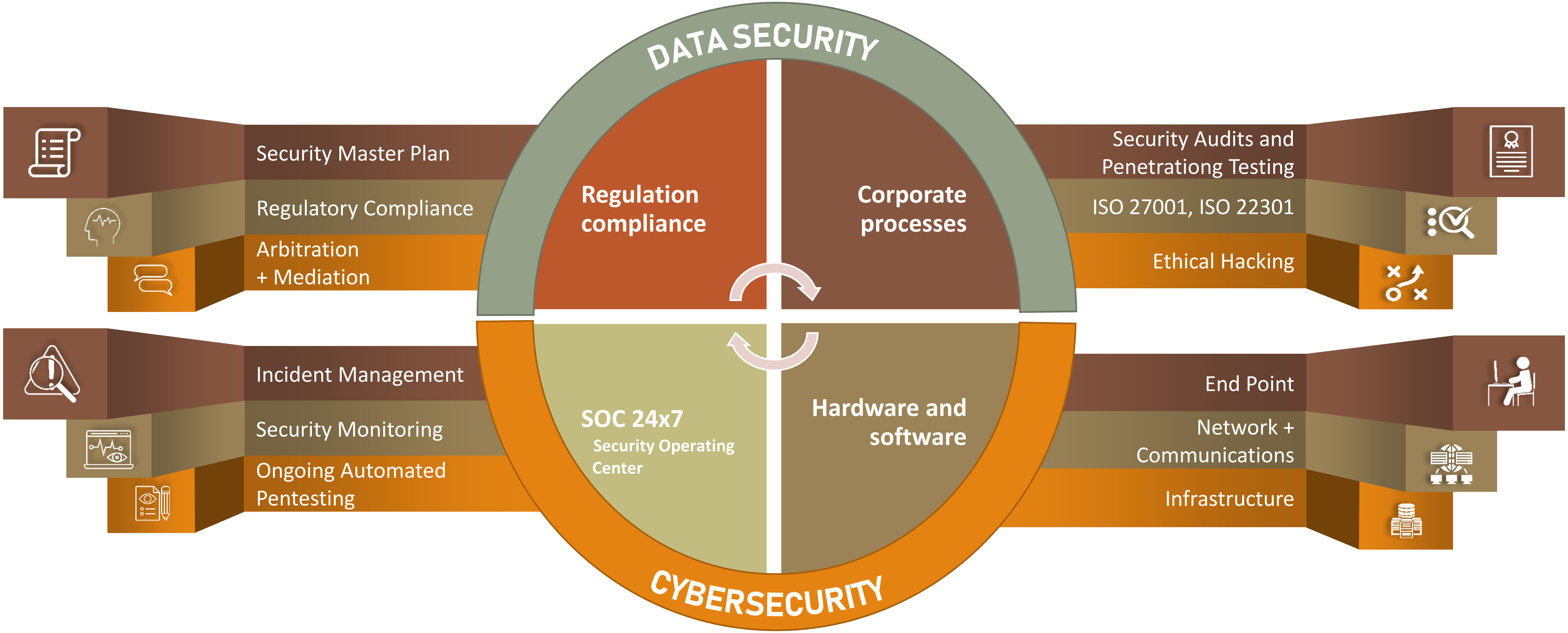
LOSS OF BUSINESS

- Investigation
- Legal expenses
- Incentives to gain customer loyalty

* Sensitive Data (names, last names, medical records, credit card numbers, etc.)

Our Cybersecurity Services

Cybersecurity 360º



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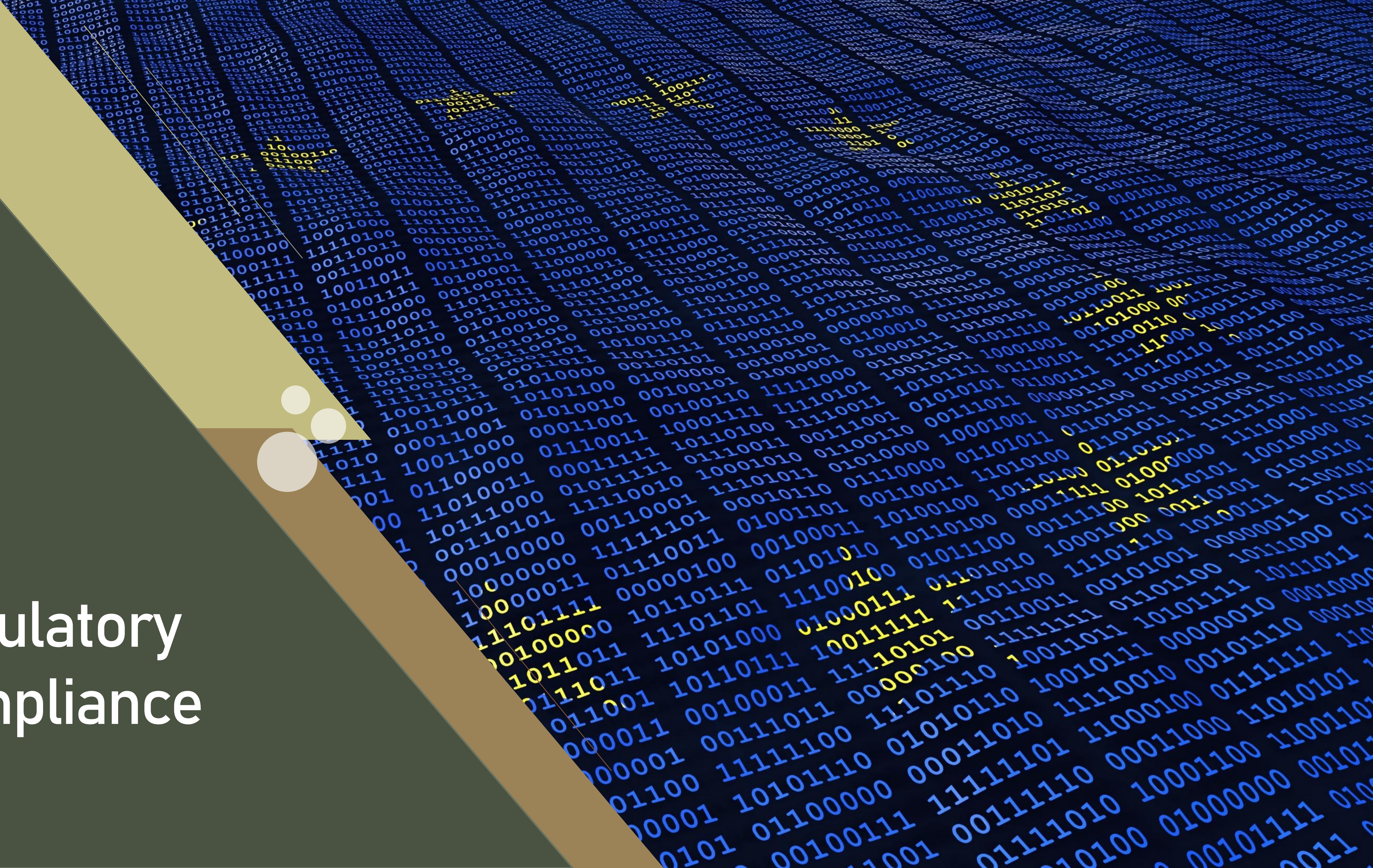
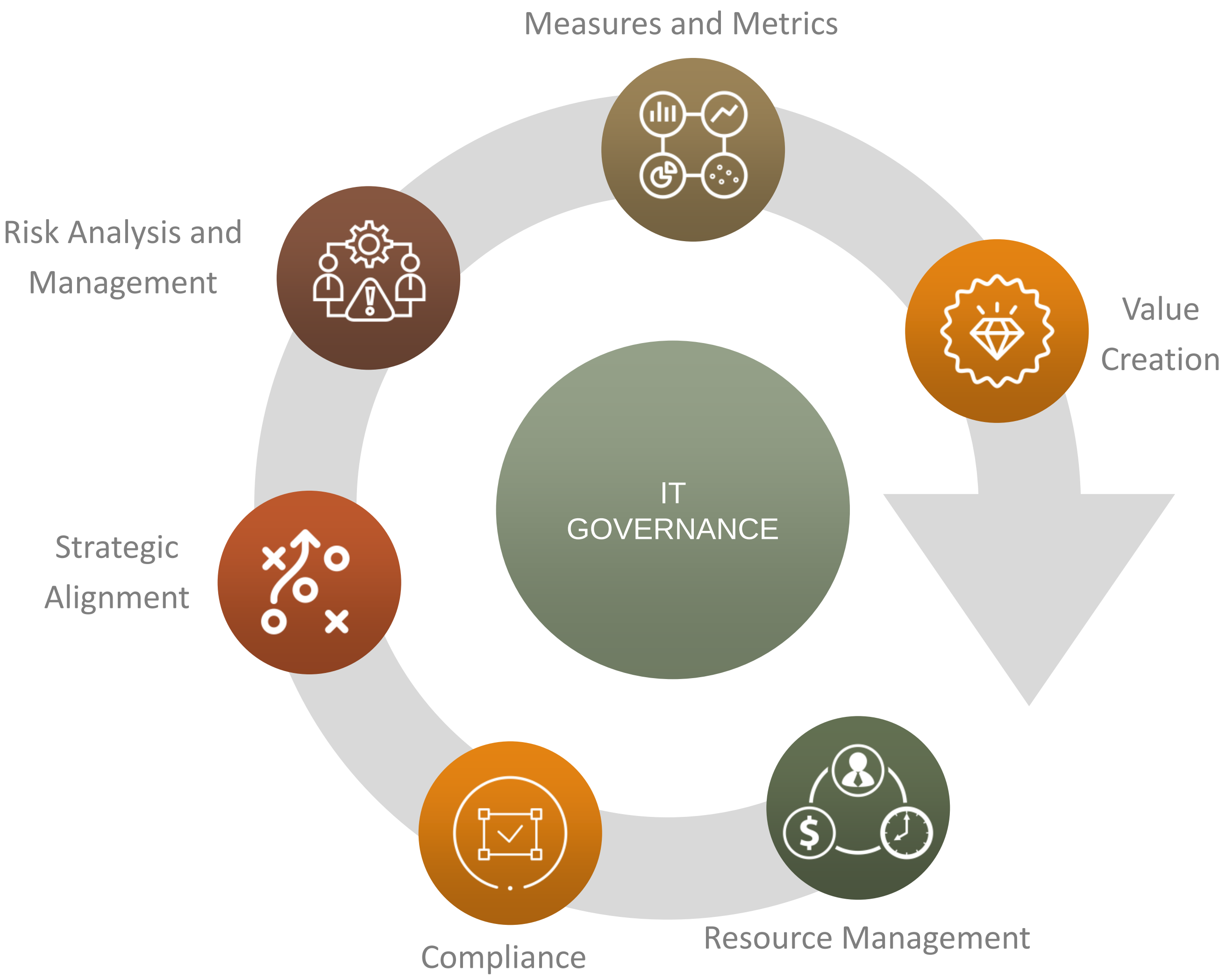


Regulatory Compliance

Regulatory Compliance

Consulting. Security Master Plan.



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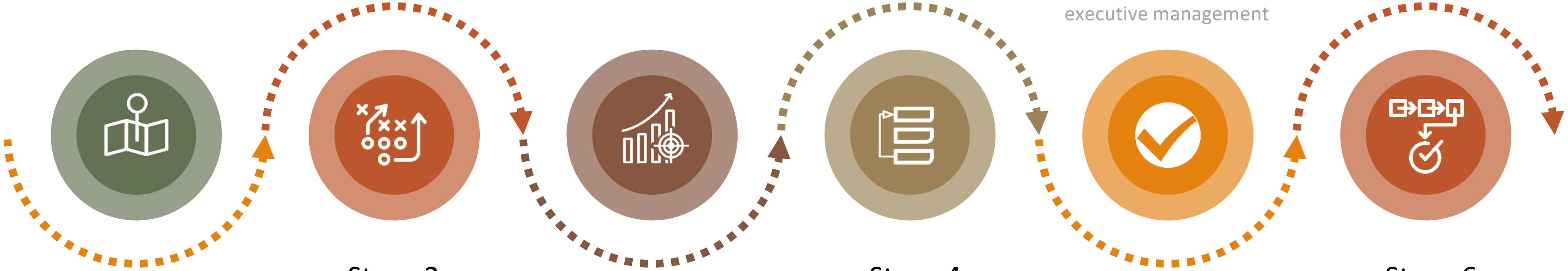
Security Master Plan

Regulatory Compliance Stages



Stage 1
Know the current situation

Stage 2
Know the organization’s strategy

Stage 3
Define projects and initiatives

Stage 4
Categorization and prioritization

Stage 5
Approval by executive management

Stage 6
Implementation of the security master plan

Regulatory Compliance: GDPR

Regulation Highlights

Encryption as a standard data protection measure.

Creation of a main authority in charge of EU cross-border trade between companies.

Obligation to notify regarding security incidents and data breaches in the next 72 hours, whether it is due to loss, disruption or non-authorized access.

Compliance audit.

Pseudonymization.

Extended definition of personal and sensitive data.

Expansion of rights: right to erasure, right to data portability and right to object to automatization.

Data protection by design and accountability. Controllers and processors are responsible for enforcing compliance.

Transparency and Consent Framework for the advertising industry.

Children under 16 must obtain parental consent to process their data.

Regulatory Compliance: GDPR

Key Factors to Ensure Compliance

Financial

Non-compliance penalties:

- Up to 20 million euros.

- 4% fine on yearly global earnings.

Procedural

- Assessment of the most advanced solutions for security implementation.

- Implementation of technical and organizational measures to enforce regulatory compliance.

Corporate

- Data protection becomes a management-level issue.

- In some cases, a Data Protection Officer (DPO) is designated.

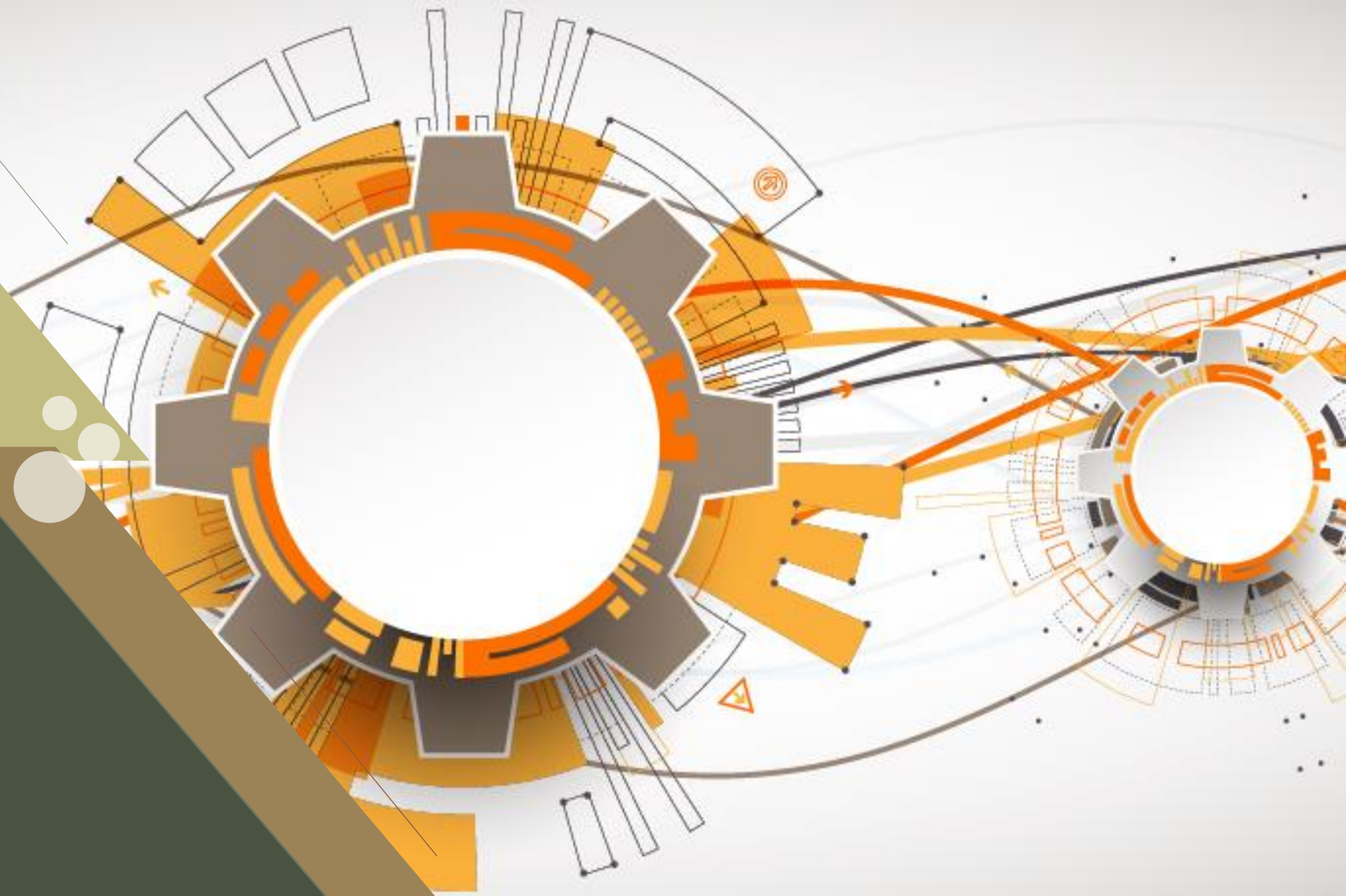
Awareness

- Training and awareness building for employees and managers.

- Ongoing budget for training.

- Employees with access to personal data must sign a confidentiality agreement.

Corporate Processes



Corporate Processes

Security Audit: Vulnerability Discovery and Ethical Hacking

Analysis and Audit

- Security settings audit
- Identification of malware in file containers
- Applications audit
- Code analysis
- IP reputation audit

Vulnerability Discovery

Discovery

- Compromised and affected systems and applications.
- Outdated systems and applications.

Remediation

- Remediation.
- What does it entail (impact)?
- Correction services.

Ethical Hacking

Black Box

Access to very little data with no collaboration from the company's IT team.

White Box

Close collaboration with the company's IT team and significant access to its data. "**Red** & **Blue** Team."

Internal and External Penetration Test

- Network Infrastructure
- WiFi
- Website

Social Engineering

- Email Phishing

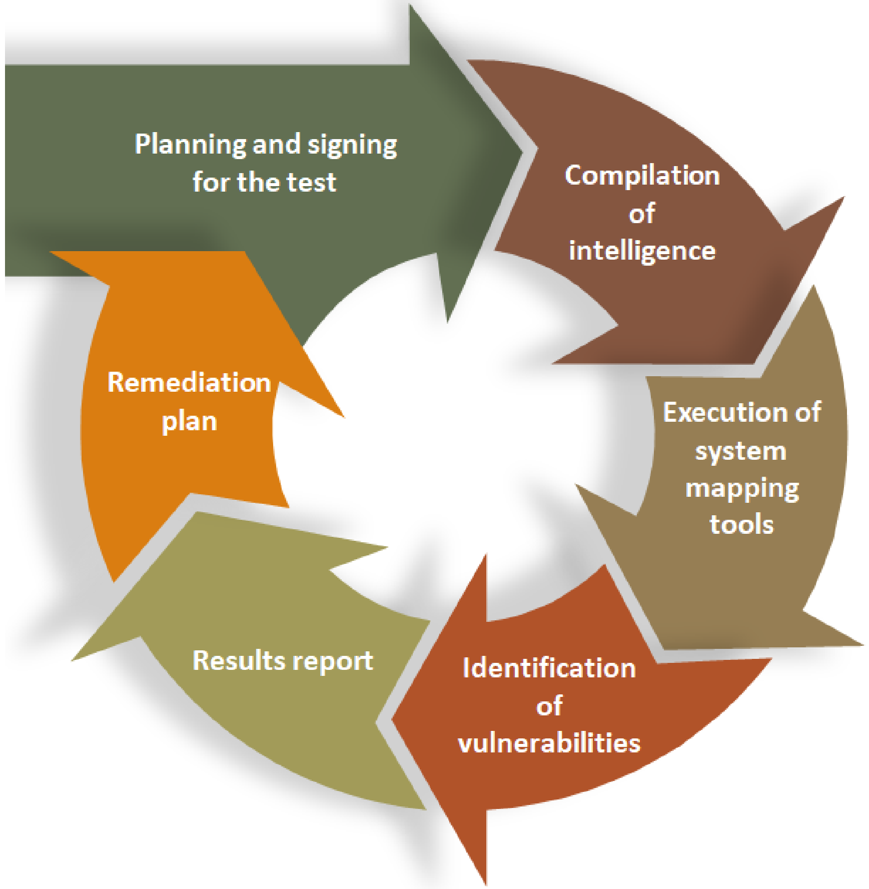
Planned attack by introducing malware through a weaker human link in the organization.

Ethical Hacking

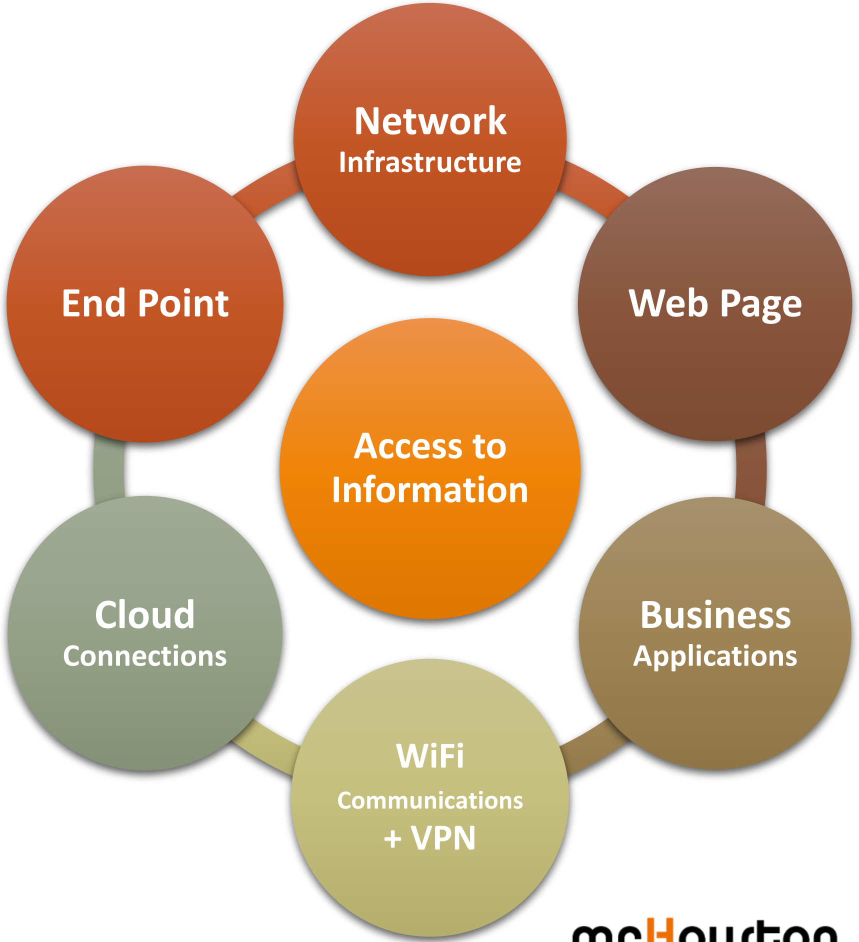
The intrusion tests simulate a real cyberattack against your infrastructure in a controlled way, allowing us to evaluate the capacity of your system to avoid these cyber attacks.

- Mitigate potential threats to better protect the integrity of your network.
- Manage potential vulnerabilities with more information.
- Reduce the cost associated with network downtime.
- Maintain a good corporate image and customer loyalty.
- Comply with regulations and mitigate sanctions.

Proceure


Planning and signing for the test
Compilation of intelligence
Execution of system mapping tools
Identification of vulnerabilities
Results report
Remediation plan

Asset Test



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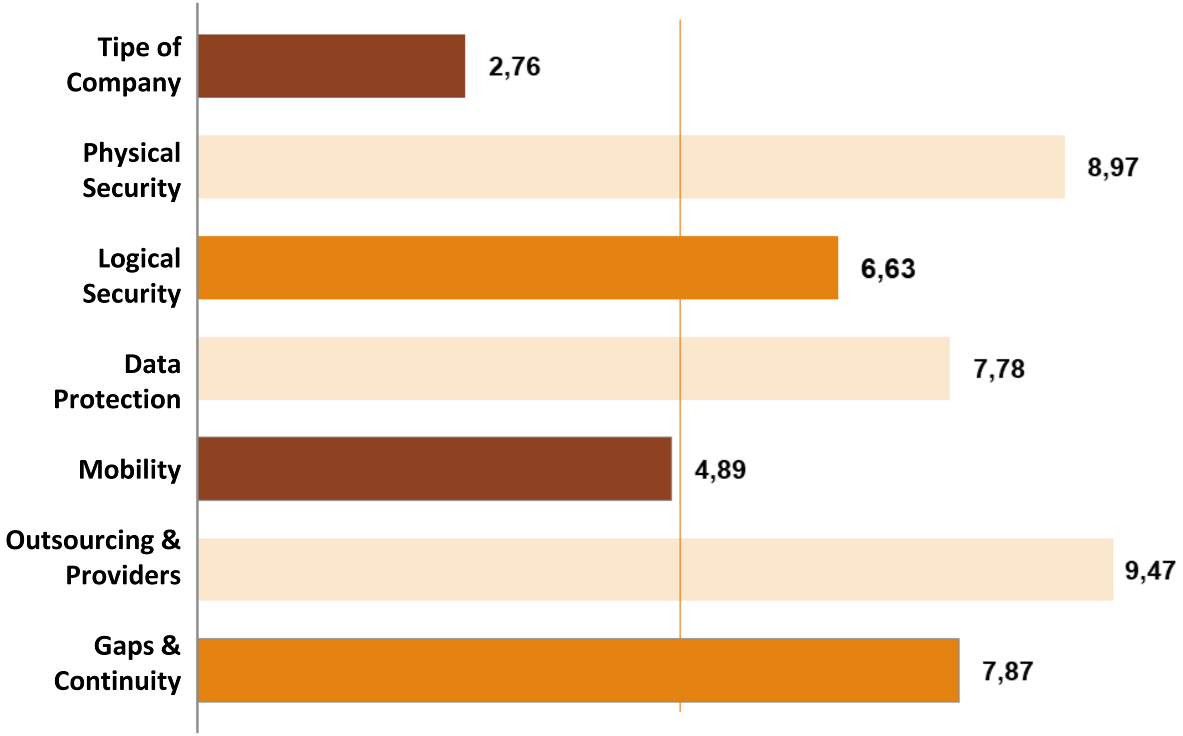
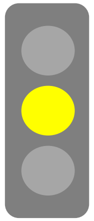
SecureTest

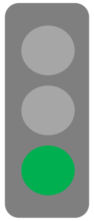
SecureTest is a web questionnaire that allows the respondent to have a quick and accessible result about their level of vulnerability, in basic aspects such as logical, physical security, legal compliance and business continuity.



GLOBAL RESULT: **6,91**



GDPR RESULT *: **8,04**



- With 8 categories and between 78 and 124 questions, SecureTest adapts to the respondent, eliminating or adding questions, dynamically, and pondering the answers, until correctly defining the client's risk position.
- SecureTest is dynamic and adapts the questions to be asked based on the information provided by the respondent.
- Its usability allows it to be answered by different people at different moments of time.
- It facilitates an approach assessing technology, processes and people involved.
- Generates a general assessment, with observations and recommendations.
- It generates a specific assessment for each of the categories, also with observations and recommendations, to be able to focus on the areas to be improved.
- It allows establishing a temporary review plan for the fulfillment of short and medium term objectives.

* This note is based on the organizational and technical measures proposed by the new European data protection law of May 2018 and which ratifies Spain to Nov. 2018

Corporate Processes

Compliance with Regulations UNE-ISO/IEC

RISK MANAGEMENT
Certifications

Information Security
ISO 27001

Allows for the planning, execution, verification and improvement of a set of controls, technical measures, procedures and organizational frameworks that will allow companies to reduce security risk and, above all, provide them with a security process management scheme.

Business Continuity
ISO 22301

Guarantees the alignment of IT services with corporate governance requirements and strategy.

IT Services
ISO 20000

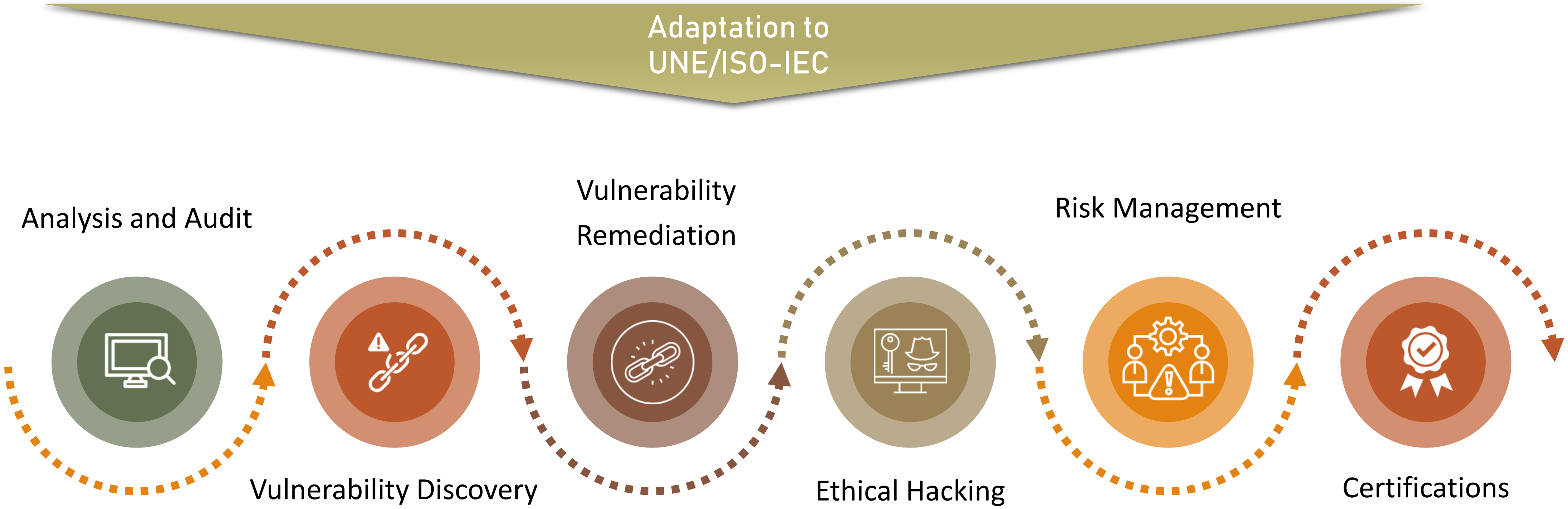
Any company, no matter its size, will reduce the risk of suffering a potentially damaging incident and, if it occurs, the company will be prepared to respond appropriately and drastically reduce any potential damage from the incident.

Compliance with
UNE/ISO-IEC

- ➢ Improves company’s organization
- ➢ Dramatically reduces risks
- ➢ Allows for dashboards
- ➢ Grants access to new markets and clients
- ➢ Demonstrates best practices
- ➢ Adequate management of unexpected events
- ➢ Hundreds of audit controls
- ➢ Reduces resource consumption

Corporate Processes

Stages



Adaptation to UNE/ISO-IEC

Analysis and Audit

Vulnerability Discovery

Vulnerability Remediation

Ethical Hacking

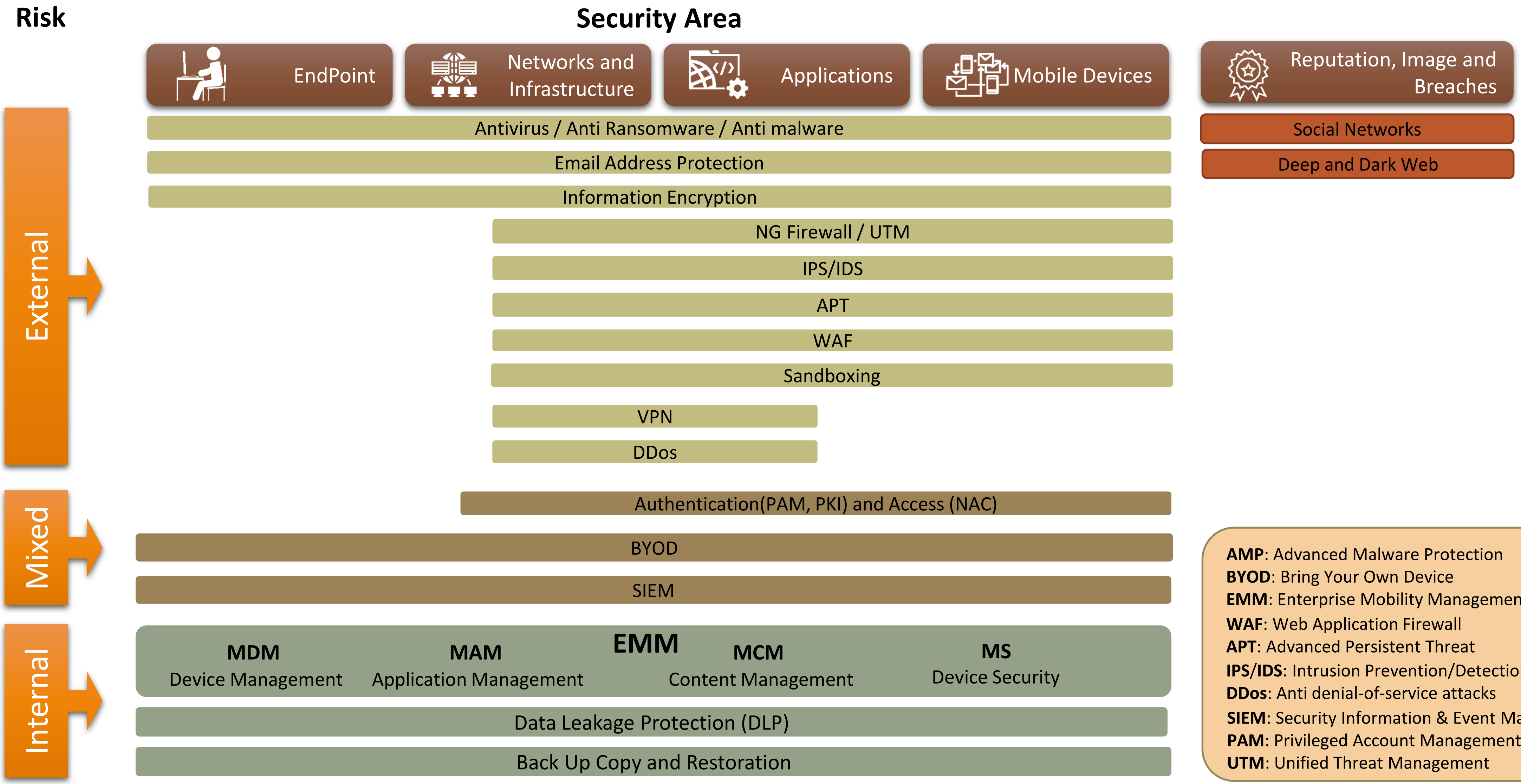
Risk Management

Certifications

Hardware and Software

Hardware and Software

HW and SW Solutions According to the Type of Risk



Risk

Security Area

EndPoint | Networks and Infrastructure | Applications | Mobile Devices | Reputation, Image and Breaches

External

Antivirus / Anti Ransomware / Anti malware

Email Address Protection

Information Encryption

NG Firewall / UTM

IPS/IDS

APT

WAF

Sandboxing

VPN

DDos

Social Networks

Deep and Dark Web

Mixed

Authentication(PAM, PKI) and Access (NAC)

BYOD

SIEM

Internal

EMM

MDM Device Management

MAM Application Management

MCM Content Management

MS Device Security

Data Leakage Protection (DLP)

Back Up Copy and Restoration

AMP: Advanced Malware Protection
BYOD: Bring Your Own Device
EMM: Enterprise Mobility Management
WAF: Web Application Firewall
APT: Advanced Persistent Threat
IPS/IDS: Intrusion Prevention/Detection
DDos: Anti denial-of-service attacks
SIEM: Security Information & Event Management
PAM: Privileged Account Management
UTM: Unified Threat Management

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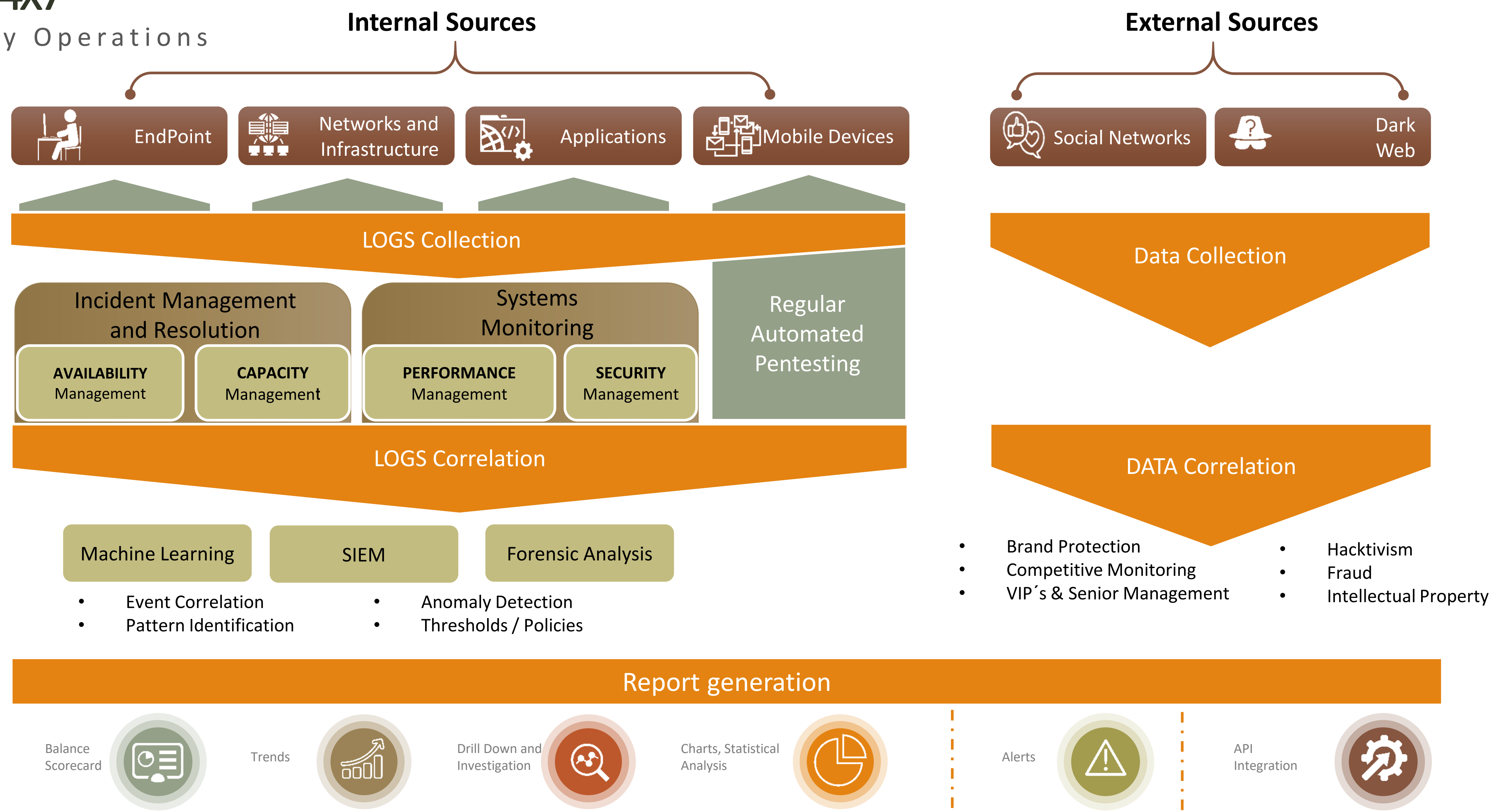
SOC 24x7

Security Operation Center

SOC 24x7

Security Operations Center



Internal Sources

EndPoint

Networks and Infrastructure

Applications

Mobile Devices

LOGS Collection

Incident Management and Resolution

AVAILABILITY Management

CAPACITY Management

Systems Monitoring

PERFORMANCE Management

SECURITY Management

Regular Automated Pentesting

LOGS Correlation

Machine Learning

SIEM

Forensic Analysis

- Event Correlation
- Pattern Identification

- Anomaly Detection
- Thresholds / Policies

External Sources

Social Networks

Dark Web

Data Collection

DATA Correlation

- Brand Protection
- Competitive Monitoring
- VIP´s & Senior Management

- Hacktivism
- Fraud
- Intellectual Property

Report generation

Balance Scorecard

Trends

Drill Down and Investigation

Charts, Statistical Analysis

Alerts

API Integration

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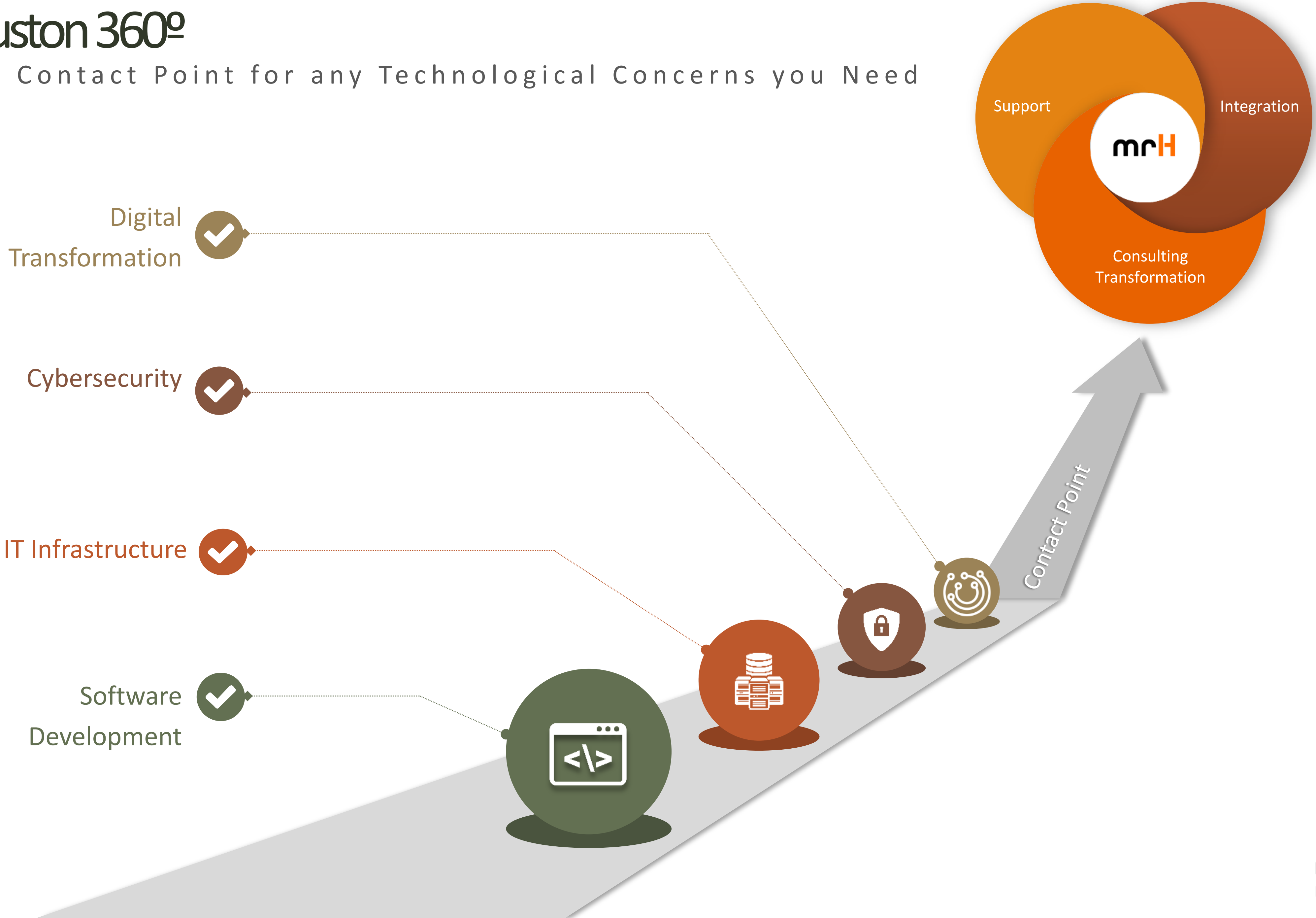
mrHouston 360º

The one Contact Point for any Technological Concerns you Need



Board of Directors

Ramón Franco

Founder and Sales Director

In 2000, he created mrHouston and built the commercial and operating pillars of the company. He's an expert in coordinating multidisciplinary projects that include general services, domotics, multimedia and office automation. He previously worked at Expal Maxam Group (ballistics) and Engineering Systems for the Defense of Spain (ISDEFE). He studied Aerospace Engineering and is specialized in Aviation.

Nicolás Franco

Founder and Development Director

He has led the Development Department since its inception. He has modeled and implemented all sorts of systems using a wide range of languages and architectures. The combination of his education in Science and his current business profile allows him to work fluently in different settings, from the most complex algorithms to the fastest developments. He holds a PhD in Applied Physics and is an Associate Professor at the Polytechnic University of Madrid.

Pepe Corral

National Sales Manager

Multimedia Project Manager.

His 25 years of experience as Production Manager, Consultant and Commercial Manager endorse his work at mrHouston. Before joining us, he worked for Maraworld SA as Executive Director, and December Productions as CEO & Founder. He holds studies in Law and Marketing. He also teaches Event Management at the University Camilo José Cela.

Lino Prahov

CTO

His close to 20 years of experience as a developer, systems administrator and CIO, has led him to his current role at mrHouston. He holds several accreditations such as MCSE, MCSA, MCPS or R Programming Language.

He studied IT Project Management at "7 SOU Vasil Levsky", in Bulgaria. He also holds an MBA from the EOI and is an Associate Professor at the Cibernos Institute.

Alvaro Fdez. de Araoz

Business Development Director

He has 23 years of experience in Information Technologies and Strategic Consulting in sectors like telecoms, healthcare, legal, financial and consumer goods. He has worked for Deloitte, Telefonica, KPN, Terra/Lycos…

His certifications are: MCSE, Lead Auditor 27001 and IBITGQ Certificate in GDPR.

He holds a BA in Business and holds an MBA and an MBI (Master in Business Informatics).

Some of our Clients

Legal

Pinsent Masons

ABOGADOS ARAOZ & RUEDA

Centro de Estudios Jurídicos

Sala&Serra ABOGADOS

C'M'S' Law.Tax

Palacio & Asociados

TEMBOURY ABOGADOS

Santiago Mediano Abogados

Domínguez-Miras Notary

ARCO

Culture & Media

FUNDACIÓN DEPORTE & DESAFÍO

vocento

imec

MAGNOLIA We are Banijay

SGAIM SGA INFORMATION MANAGEMENT

McCANN WORLDGROUP

MUSEO NACIONAL CENTRO DE ARTE REINA SOFIA

MADEforSPAIN the ultimate travel experience in spain

VERVE

Fundación Carmen Pardo-Valcarce www.pardo-valcarce.com

sgae sociedad general de autores y editores

Tech

indra

telecor

tmsystem CONTACT CENTER

altitude

Banks, Investment, Insurance and financial institutions

azValor asset management

"la Caixa"

Greenhill

FUNDACIÓN LUZON UNIDOS CONTRA LA ELA

Prudential

BK PARTNERS

COFIDES Capital para tu inversión exterior

Schroders

Itaú BBA

KLEPIERRE

KEY CAPITAL PARTNERS

NATIXIS GLOBAL ASSET MANAGEMENT

ALAMEDA CAPITAL hotels

iKasa

ACTIVUM Servicios Inmobiliarios

BANCO ALCALA Wealth Management

MARSH & McLENNAN COMPANIES

H. I. G. CAPITAL

cobas asset management

ALAMEDA CAPITAL hotels

REALE SEGUROS

Industry

institute iMdea

Iberext Protección Contra Incendios

by

vectorcuatro

REPSOL

ATLANTIC COPPER Una compañía del grupo Freeport-McMoRan

Falck

HELLA

Healthcare

moonz es ortodoncia

ITRT Institut de Teràpia Regenerativa Tissular

BIOCORD Tecnología en Células Madre

analizA Labs

Education

Colegio Ntra. Sra. del Pilar

Fundación uc3m

Thinking Heads

UNIVERSIDAD POLITÉCNICA MADRID

Salesianas Colegio Nuestra Señora del Pilar

UNIVERSIDAD FRANCISCO DE VITORIA Madrid VINCE IN BONO MALUM

INFOVA FORMACIÓN Y DESARROLLO

Ceticsa Consultoría & Formación

CEUmedia

NanforIbérica

Retail

FLEX ESPECIALISTAS EN DESCANSO

HERITAGE HOTEL

BOURJOIS PARIS

BANQUETES TORRES

Urban Campus

HOTEL ORFILA

PANDORA UNFORGETTABLE MOMENTS

Aurgi

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What our Clients Say

Investment Funds

AzValor

“At a time when digital transformation is unquestionable, mrHouston has always been and continues to be a very valuable technological partner. They contribute with know-how, proactivity and mutual understanding, which are the basic requirements for safe and sustainable growth.”

Law Firm

ARCO

“mrHouston has been able to scan our firm’s needs. The standardization of processes and the elimination of barriers have been essential for our efficiency”.

Investment Funds

Key Capital

“mrHouston has been providing us with outsourcing services for the last 7 years. This has allowed us to fully focus on our business instead of on technological evolution”.

Law Firm

Araoz y Rueda

“Our firm was affected by a ransomware attack and mrHouston helped us diagnose and implement corrective measures immediately. Additionally, we were given medium and long-term recommendations in order to be better protected”.

Contact

Padre Xifré 5 28002, Madrid
+34 – 91 432 02 86
comercial@mrhouston.net
www.mrhouston.net

Thank You