ims GLOBAL

Improve,
be better

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LL-C CERTIFICATION PARTNER

ARCIAM
American Register of Certificated Inspectors, Auditors and Managers

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USA - Europe (Spain) - Mexico - Colombia - Brazil
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INFORMATION SECURITY & PROCESS SAFETY
TO PROTECT CRITICAL INFRASTRUCTURE AND ACHIEVE GOALS

We protect Critical Information Infrastructure (CIIP) as well as industrial Critical Infrastructure (CIP) assets, including IACS/ICS, throughout their entire value chain and life cycle.

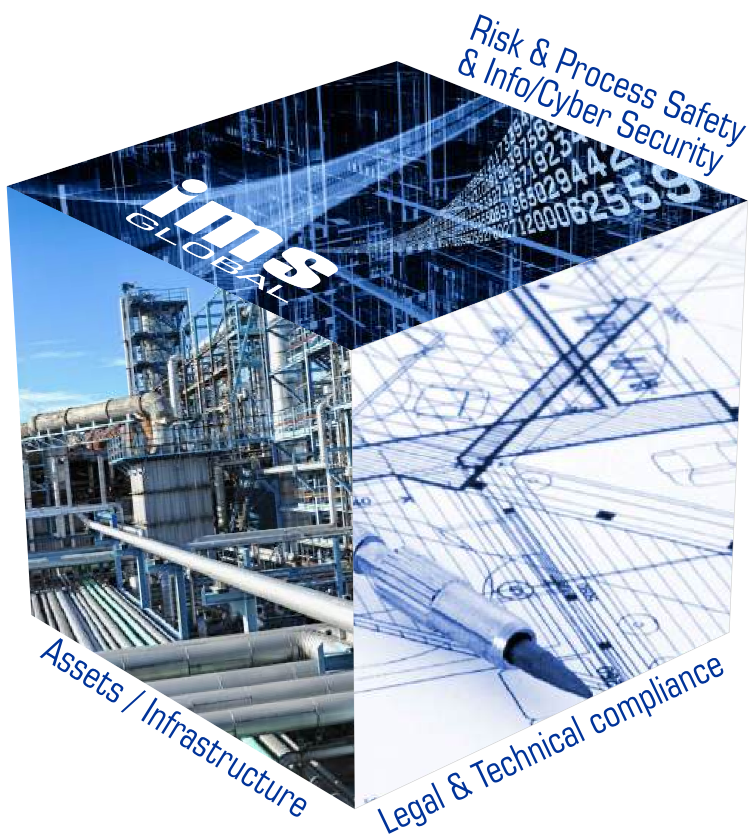
We simplify the growing complexity of information & technology, and its challenges, across the entire organizational, third-party, and supply chain ecosystems.

We optimize the balance between (industrial) process safety and multidimensional cybersecurity to safeguard critical infrastructure and our society.

We prepare you for what's next by developing & strengthening capabilities including resilient process safety & security architectures and management systems that drive informed decision-making in a world of multilayered/fragmented legal, regulatory and technical requirements and an escalating cyber-crime and threat landscape.

We continuously innovate in technologies and processes by leveraging in our rich knowledge base of advanced techniques, best-industry practices, the state of the art, compliance, and strategic insight., applying our intensive innovation process that mixes engineering principles, techniques and knowledge.

We support the achievement of your business objectives through our successful knowledge transfer (consulting, advisory and technical training with 500+ courses 100% based on technical standards), assessment (auditing/inspection with 100+ standards/technical frameworks) and delegation services.



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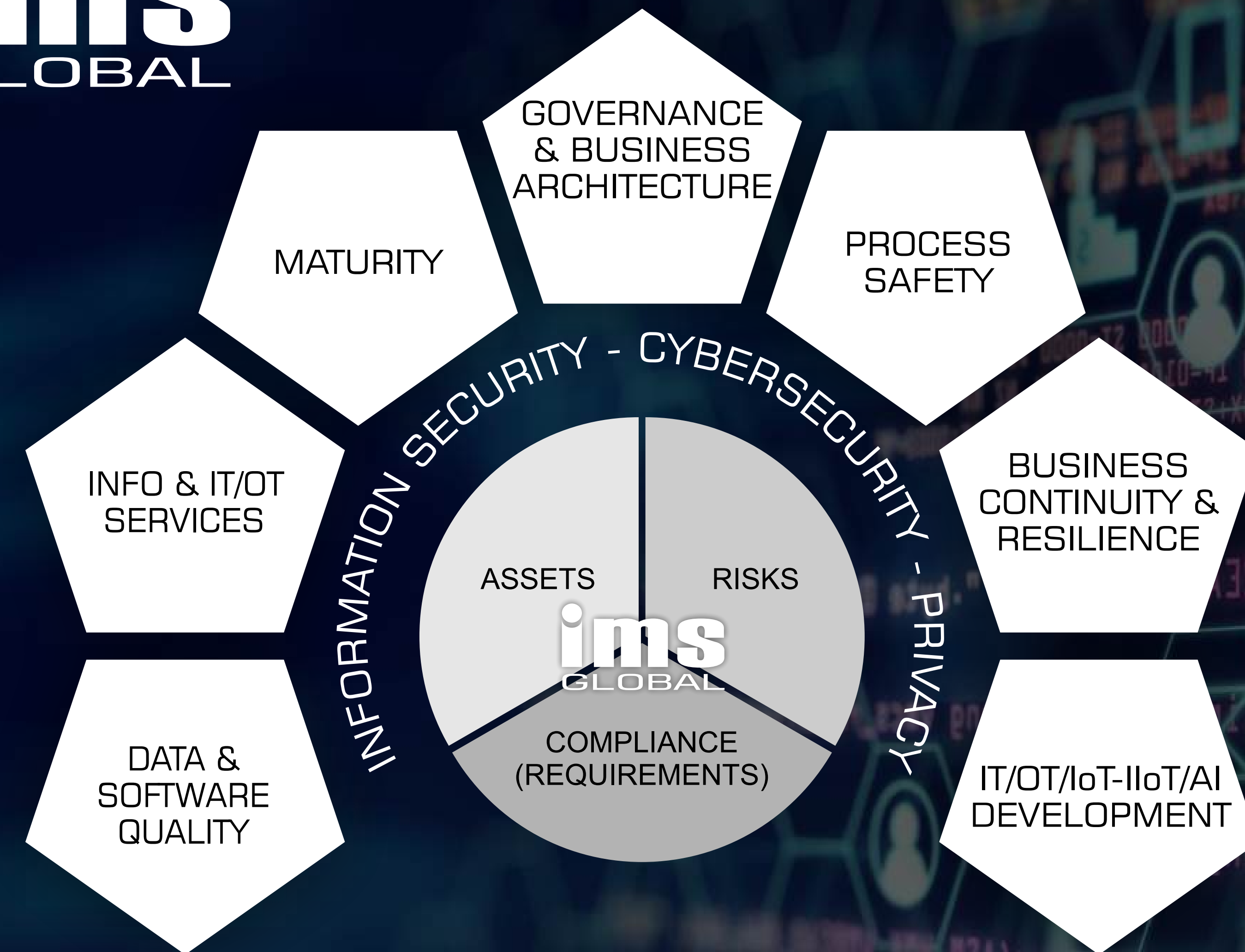
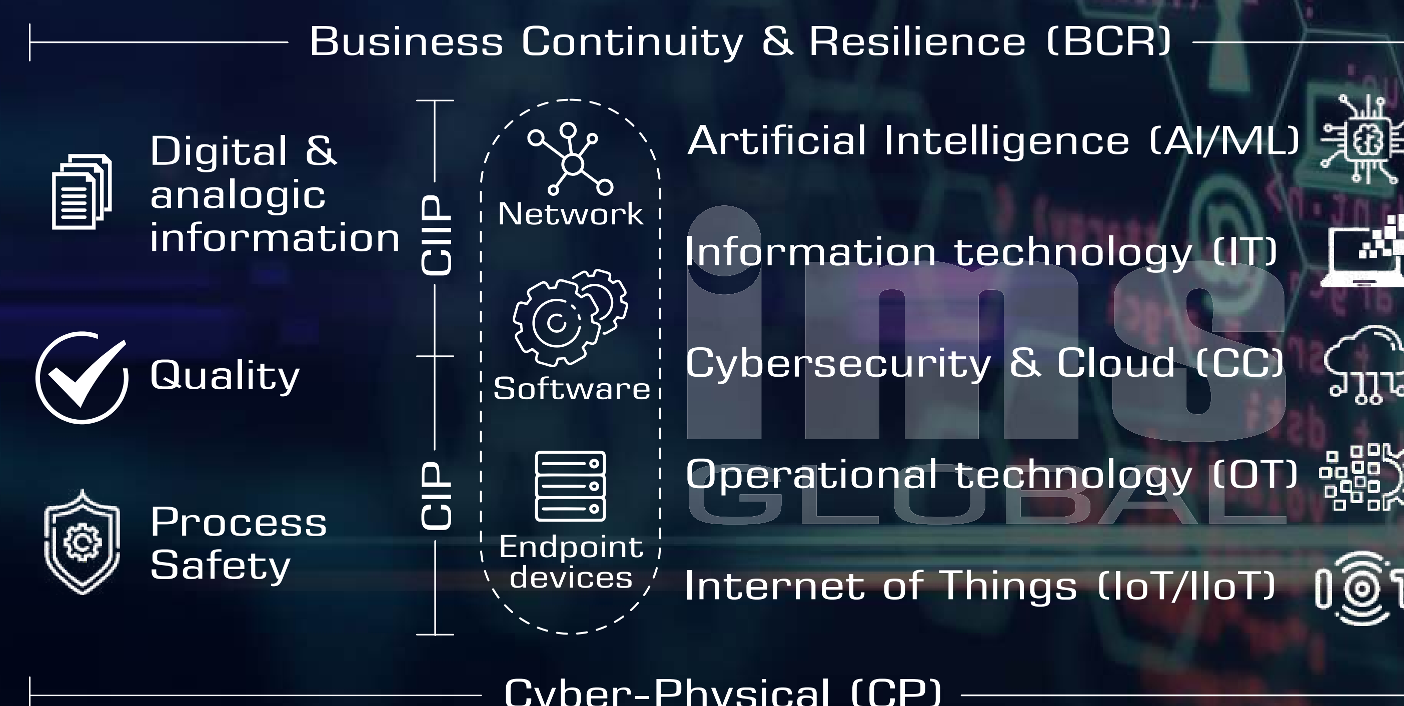




Supporting the achievement of your business objectives

Secure and safe management of information & infrastructure

Governance & Compliance/Conformance

Data Governance (DG)
IT and IT Services Governance (ITSG)
OT/IoT/IIoT Governance (OTG)
AI/ML Governance (AIG)

Multi-jurisdictional Compliance management (MJCM)

Asset Management Systems (AMS)

(includes discovery, identification, classification/categorization, prioritizing, optimization, in the life-cycle for max performance).

for Information Security and Privacy (ISP-AM)
(including CUI, CTI, FCI, CCI, CDI, CSI, CEII, NPI, PII)

for Information Technologies (CIIP-AM)
(including hardware, software, infrastructure, AI/ML)

for OT/IoT/IIoT and industrial Infrastructure (CIP-AM)

for business processes & activities (business continuity)

for dynamic control (security) & barrier (process safety) management (DCB-AM)

Risk Management Systems (RMS)

(and the design of control architectures)

@ Information Security and Privacy (ISP-RM)
+ (Data) Privacy Impact Assessment (PIA/DPIA)

@ Information Technology (CIIP):
- IT Cybersecurity (ITC-RM)
- IT Services (ITS-RM)
- Software Engineering (SE-RM)
- Artificial Intelligence (AI-RM)
- + AI Impact Analysis (AIIA)

@ OT/IoT/IIoT Industrial Cybersecurity (CIP) (OT/IoT-RM)

@ Business Continuity & Resilience (BCR-RM)
+ Business Impact Analysis (BIA)

@ Supply Chain / Third-party Risk Management (SCRM)

@ Process Safety (PS)
+ Safety Impact Analysis (SIA)
+ Management of Change / Impact Analysis (MoC)

Comprehensive Risk Assessment

Vulnerability assessment and management (VAM)
Threat Intelligence (TI) / Advanced Persistent Threats (APT)

Process Hazard Analysis (PHA)
Bowtie: Fault Tree (FTA) + Event Tree Analysis (ETA)
Hazard and Operability Study (HAZOP)
Layer of Protection Analysis (LOPA)

Quality Assurance & Quality Control.
Control effectiveness assessment.

Management systems for critical infrastructure

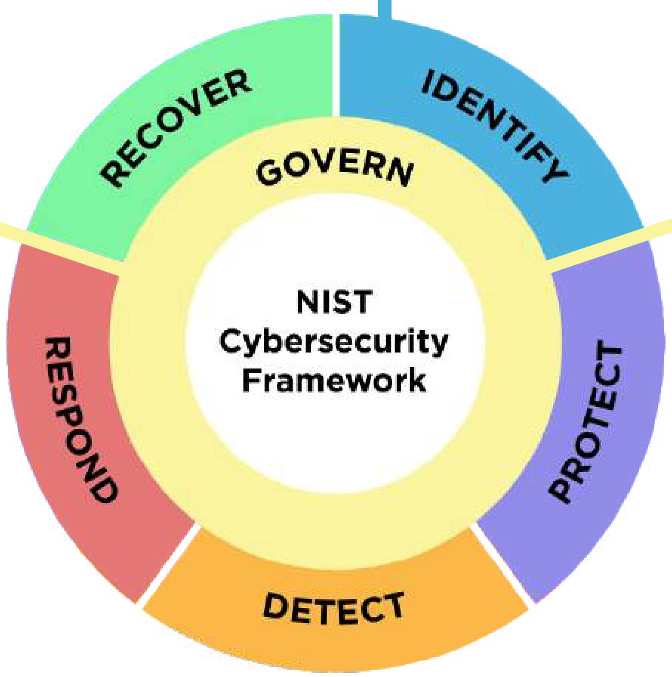
Information Security Management Systems (ISMS)
+ IT Cybersecurity Management Systems (ITCMS)
+ Cloud Security Management Systems (CSMS)
+ Privacy Management Systems (DPMS/GDPR)
+ Cybersecurity Maturity Model Cert. (CMMC)
+ National Security Framework (ENS Spain)
+ System & Organization Controls (SOC 1, 2, 3)

Technology management:
+ IT Services Management Systems (ITSMS)
+ Software Quality/Security Management (SQSMS)
+ Artificial Intelligence Management Systems (AIMS)

OT/IoT/IIoT Security Management Systems (OTSMS)

(Process) Safety Management Systems (PSMS/SMS)

Business Continuity & Resilience Mgmt Systems (BCMS)



Technical training services

Auditing/inspection services

TITAN GRC/IRM-URM (software)

CUI Controlled Unclassified Information
CTI Controlled Technical Information
FCI Federal Contract Information
CCI Controlled Classified Information
CDI Covered Defense Information
CSI Confidential Supervisory Information
CEII Critical Energy Infrastructure Info
NPI Nonpublic Personal Information
PII Personally Identifiable Information

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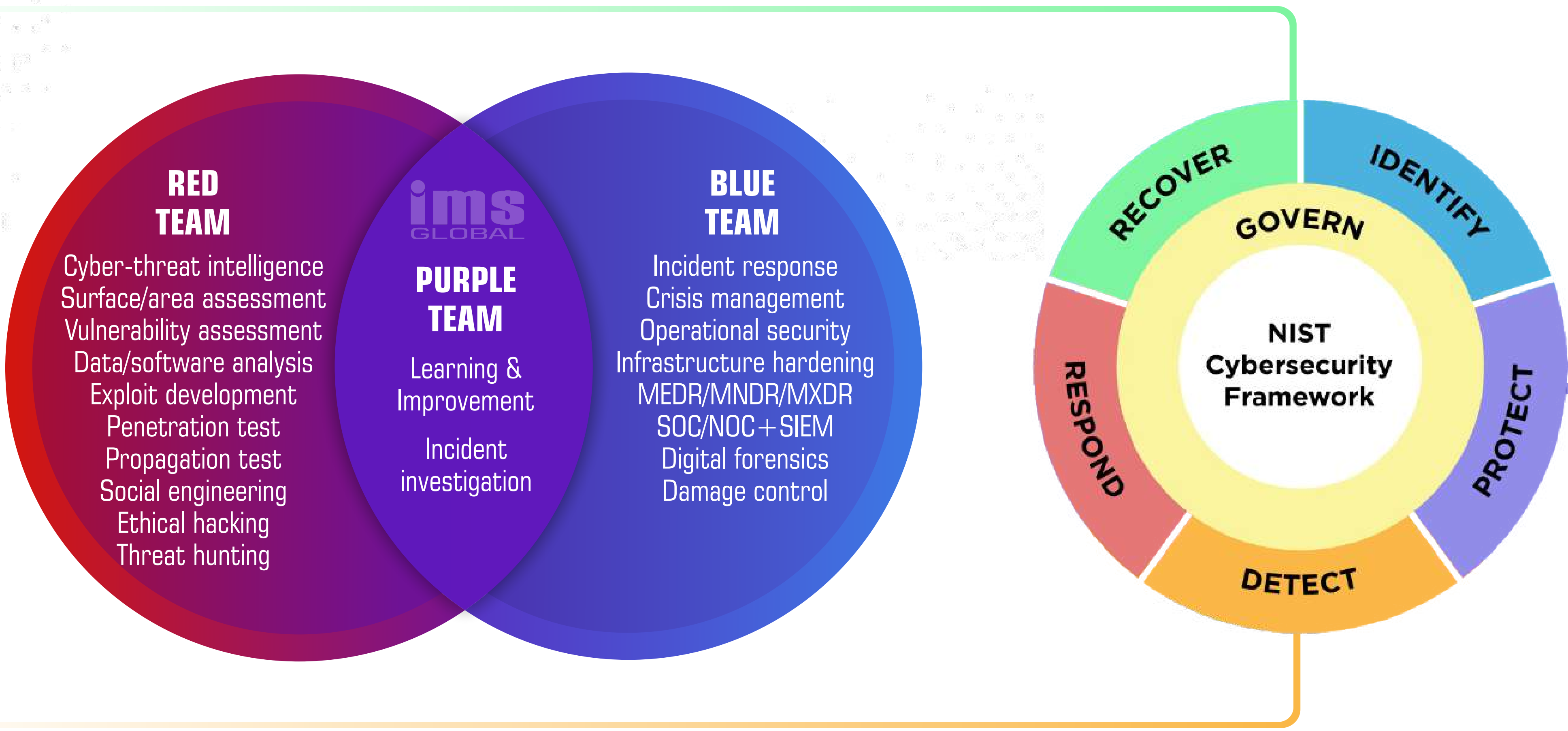
Security & Safety to achieve business objectives



Identity and Access control Management (IAM)

Secure design/optimization of **identities, privileges, & access** life cycle for IT and OT/IoT assets, cyber-physical systems (CPS), and physical environments.

Design/optimization & segregation of Authorities, Roles and Responsibilities (ARR)

Design/optimization of strategies and solutions for:

- Least Privilege (PoLP) & Role-Based Access (RBAC)
- Zero Trust models (ZT)
- Just-In-Time (JIT) & Just-Enough Access (JEA)
- Secure Access Service Edge (SASE)
- Software-Defined Perimeter (SDP)
- Perimeter-Based Security (PBS)
- Technological Health management (THM)

Data/Information Security

Protection of data at Rest, in-Transit, and in-Use (d@RTU).

Design/optimization of Data Loss Prevention (DLP)

Design/optimization of encryption solutions

Platform (and Infrastructure) Safety & Security (PSS)

Design/optimization of strategies and solutions for:

- Damage-Limiting Operations (DLO)
- IT and OT/IoT hardening (TH)
- end-point and log protection
- Malicious Content/Software (MCS)
- Storage & media life-cycle (SMLC)
- Facilities and Personnel Security and Safety (FPSS)

- Penetration-Resistant Architecture (PRA)
- Capacity Management (CaM)
- Functional and Security/Safety Configuration (FSSC)
- (Hardware, Software, Services) Maintenance

Business continuity & Resilience

Design/optimization of strategies and solutions for:

- Business Continuity, Resilience and Cyber-resilience
- Business Continuity Planning (BCP)
- Disaster Recovery Planning (DRP)
- Exercises and Testing, plus Improvement (ETI)
- Backup and Restoration (BRM)
- Cyber Resiliency Survivability

Operational Safety & Security with multi-dimensional Defense-in-Depth practices