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Company Profile

www.iken.co

ABOUT IKEN

We help organizations become more lean, sustainable, & more profitable through achieving operational excellence, improved assets utilization, optimized production, and enhanced supply chain responsiveness along with essential Digital Security layer.

IKEN integrated the world top technologies using sensors & actuators to deliver outstanding business results aligned with customers' goals and strategy. Iken service several domains such as Manufacturing, Agriculture, Utility Management, City Management, retail, Oil & gas, healthcare, Education, Banking, aviation, and hospitality. We bring our expertise in managing emerging technologies in alignment with our customers' business applications & goals.

We enable our customers to successfully overcome their pressing business challenges such as efficiency, quality, and competitiveness by integrating all emerging technologies in a personalized approach to match each customer's individual situation & unique needs.

Enabling Strategic Alliances

• Strategic Alliance	[Advanced Computer Technology (ACT)]	Sep. 2019
• MENA Strategic Service Partner	[General Electric Digital]	Jan. 2020
• Strategic Digital Transformation Partner	[Arab Organization for Industrialization (AOI)]	Mar. 2020
• Strategic Digital Transformation Partner	[Ministry of Military Production (MOMP)]	Mar. 2020
• Cooperation Protocol	[Ain Shams University (E-Hub)]	Nov. 2020
• Collaborative Organization	[Amazon Web Services (AWS)]	June 2021

What we Do?

Organizational Transformation Services

- Industry 4.0 Organizational Readiness Assessment
- Organizational Governance
- Organizational Development based on Best Practices optimized for the Egyptian Market

Industry 4.0 Applications

- Modeling & Simulation
- Integrated Dashboarding
- Advanced Analytics & Big Data
- Digital Twinning
- Artificial Intelligence
- Predictive Maintenance
- Responsive Human Interfacing
- Vertical and Horizontal Integration
- Reverse Engineering
- Additive Manufacturing

Digital Risk Mitigation

- IT Security Policy Development
- OT Security Policy Development
- Design & Execution of Total Digital Security Solutions
- Testing Services

Iken Academy

- Change Management & Digital Readiness
- Industry 4.0 Technology & IT/OT Security

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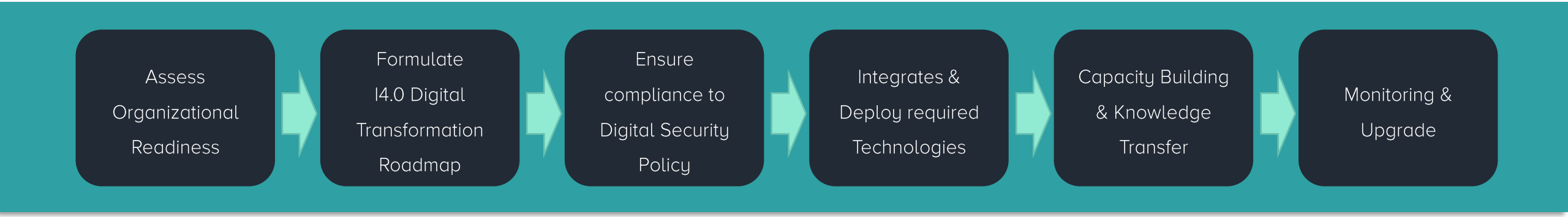
Industry 4.0 Transformation

I4.0 Transformation

Iken provide several Industry 4.0 solutions using many emerging technologies such as, Artificial Intelligence, Industrial IoT, Digital Security, Big Data, Additive Manufacturing, & Autonomous Robots. Capitalizing on our compounded years of expertise and our strategic alliances & Partners, we enable our customers to have a unique customized solution that delivers outstanding business results facilitating their Digital Transformation journey.



Key Benefits

1. Noticeable increase in return on investment (ROI) & Competitiveness
2. Increase in operational control, and efficiency,
3. Improving production Agility, flexibility, & customer centricity
4. Live data driven decision support

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Industry 4.0 Applications

Agriculture	Utilities	Manufacturing
• Supply Chain Efficiency • Increase production yield • Accurate traceability • Increased farming quality • Cost & Time Reduction • Improved Produce Safety • Early Pets/Weather Threats Notification	• Increase Network control • Decrease non-revenue waste • Improve distribution efficiency • Remote working capabilities • Troubleshoot blinks, sags, and swells • keeping track of peak usage timings	• Dashboarding • Efficient Automation • Mass Customization • Reverse Engineering • Vertical / Horizontal Value Chain Integration • Through-engineering

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Industry 4.0 Applications

City Management

- Enhanced citizen & government engagement
- Safety and community management
- Reduced environmental footprint
- Utilities Smart Management
- Predictive Maintenance

Retail

- Personalized Shopping Experience
- Smart Warehousing
- Advanced Check-outs
- Online/Offline Integration
- Dynamic Pricing
- Responsive Merchandising
- High Product Information Visibility
- Customers Data Monetization

Health

- Reducing healthcare costs.
- Predicting epidemics.
- Avoiding preventable deaths.
- Improving quality of life.
- Reducing healthcare waste.
- Improving care efficiency & quality
- Developing new drugs and treatments.

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Industry 4.0 Applications

Banking	Oil & Gas	Aviation	Education
• Block chain and distributed ledger technology • Process digitization • Digital/Mobile Banking • E-commerce & Point of Sale • AI Risk Mitigation & Calculation	• Dashboarding • Efficient Remote Working System • Enterprise Learning Systems • Digital Twin • Asset Information System	• Ground Handling • Master Planning • Airport Safety and Security • Converged Communications IOT • IT-OT Infrastructure • Land Side • Air Side • Facility	• Accelerate Remote Learning • Personalized Learning • Choice of Education Tools • Project-based Learning • Field-specific Experience • Exam Pattern and Assessment

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Some of Our I4.0 Vendors

everteam

SIEMENS

VEATIVE

GE Digital

EKSON TECHNOLOGY

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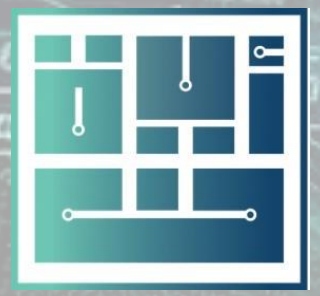

Digital Security

DIGITAL SECURITY

Iken is a full-range Digital Security (IT/OT) Integrator. Iken includes experienced Digital Security & Risk Mitigation consultants combined with latest Digital Security Tools & technologies developed by worldwide recognized specialized vendors. Iken Digital Security services is built on the professional assessment of customer's current Digital Security standing according to worldwide standards.

Iken's adaptive Digital Security approach focuses on the alignment with customer's Business objectives to maximize the return on Digital Security investment.

- Vulnerability Assessment according to worldwide standards
- Architecting the digital (IT/OT) security policies & framework.
- Partnering with the best technologies' vendors to proactively implement their security policies.
- A holistic approach to secure data centers, considering all the risks, threats & countermeasures.
- Dashboard solution presenting critical component risk graph

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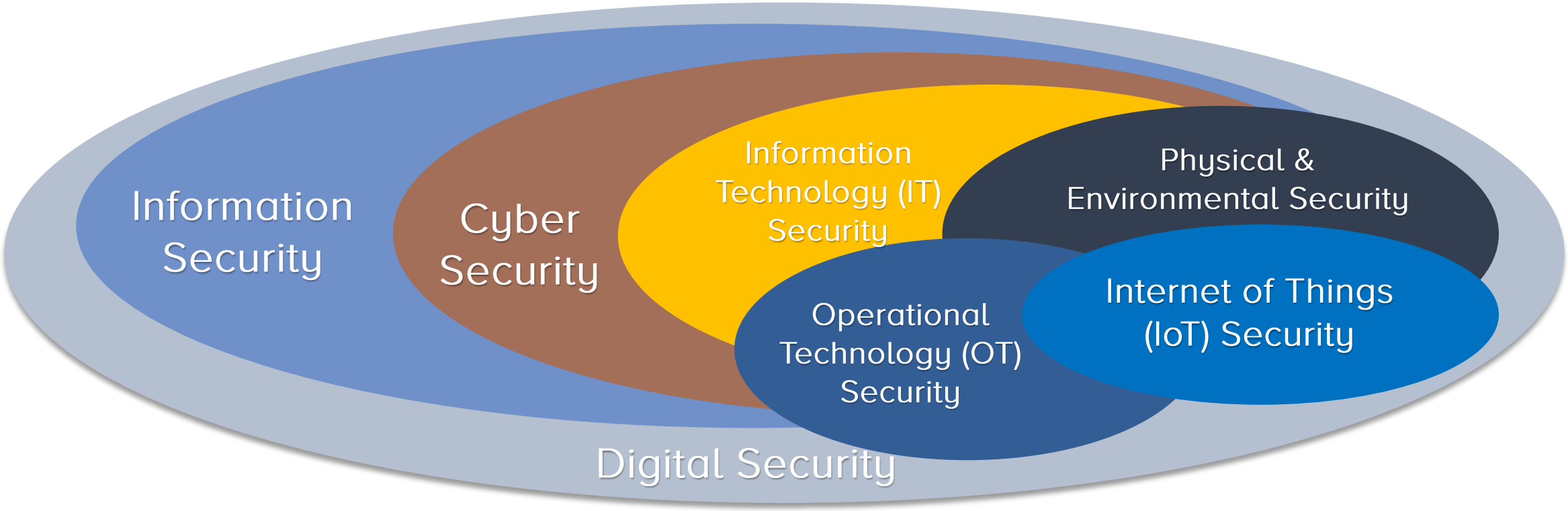
Digital Security Inclusion



Building on its long-term expertise in IT/OT security & its expertise in emerging technologies, Iken power up your Industry 4.0 Digital Transformation process through architecting, deploying, and maintaining a complete 360 Digital Security Solutions

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Digital Security Services (IT/OT)

Risk Management

- Criticality Assessment.
- Risk Assessment.
- Risk Register.
- Risk Mentoring.
- Risk Treatment.
- KPI / KRI Monitoring.
- Incident Response.
- Disaster Recovery.
- Business Continuity.
- Information and Document Management.
- System Development and maintenance.
- Cybersecurity Posture Analysis.
- Navigating Third Party Risk.

Professional Services

- Phishing Simulation Services.
- Secured network implementation
- Network/Infrastructure Assessment.
- Systems Assessment.
- Security Hardening Services (Network & Host).
- Passive Services.
- Vulnerability Services.
- Penetration Testing Services.
- Managed Security Services.
- OT Intrusion Detection.
- Incident Management and Digital Forensic.

Policies and Procedures

- Access Policies.
- Authentication Polices.
- Maintenance and Turn-Around Polices.
- Disconnection Polices.
- Security Testing Guidelines.
- Procurement Guidelines.

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Digital Security Solutions

User Security

- Endpoint Security
- Endpoint Detection & Response
- Endpoint Vulnerability & Patch Management
- Asset Management (Hardware & Software)
- Mobile Device Management
- Endpoint Analytics
- Mobile Security

Security Analytics

- Vulnerability Management
- Network Behavior Analytics
- User & Entity Behavior Analytics
- Anomaly Detection
- Cognitive Security
- SOAR
- SIEM
- Cyber Threat Intelligence
  - IOC
  - IP Reputations
  - Threat Intelligence Databases
  - Threat Sharing

Data Protection

- Data Classification
- Data Loss Prevention
- Database Activity Monitoring
- Data Encryption
- HSM
- Data Backup
- Data Erasure
- Email Security
- DMARC protection
- Email Encryption
- Email DLP
- Time-of-Click Protection

Network

- Next-Gen Firewalls
- Network Access Control (NAC)
- IPS/IDS, ATP
- Proxy
- Network Segmentation
- VPN & DNS Security
- Network Analyzers & Visibility
- Network Detection & Response (NDR)
- Firewall & Configuration Management
- Cross Domain

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Digital Security Solutions

Applications

- Web Application Firewalls
- Application Scanning
- Application Security Management
- Secure SDLC
- Source Code Validation

Email

- Email Security
- DMARC protection
- Anti-Phishing
- Email Encryption
- Business Email Compromise
- Email DLP
- Email Sandbox
- Time-of-Click Protection

Workload Protection

- Server Protection (Physical or VM)
- Container Protection
- Virtual Firewalls
- Micro-Segmentation
- File Integrity Monitoring (FIM)

Cloud

- CASB
- Workload Protection
- Edge Firewalls
- Virtual Firewalls
- VPN
- Data Protection
- Application Protection
- Cloud Conformity

Identify and Access

- Privilege Access Management (PIM/PAM)
- Access Management
- Identity Management
- Multi Factor Authentication

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Some of Our Digital Security Vendors

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Iken Academy

To complete its support for Digital Transformation, IKEN helps its customers prepare their workforces for Digital Transformation by providing specialized capacity building opportunities that are supported by the world's leaders in Digital Transformation. Our customers easily realize the direct ROI generated from improving their team's digital skills, represented in faster operations, higher agility, decreased downtime, and improved efficiency & waste.

Some of our Capacity Building Partners

aws

GE Digital

cisco

paloalto NETWORKS

Some of our Capacity Building Programs

- AWS re/start Program
- MES and SCADA Training Programs
- Digital Security
- Digital Transformation Strategy

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Some of Iken Academy Initiatives

AWS re/Start Program with UNDP

Launching of “The National Initiative for Building Industry Digitization Leaders” and the graduation of certified trainers' group in cooperation with Ministry of Military Production & GE Digital

Graduation of the first group of Ministry of Military Production Engineers

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Some of Our References

EGYPTIAN NATURAL GAS HOLDING COMPANY

الهيئة العربية للتصنيع
ARAB ORGANIZATION FOR INDUSTRIALIZATION

وزارة الانتاج الحربى

AREC

بنك القاهرة
Banque du Caire

LORAX CAPITAL PARTNERS

شركة أبو زعبل للصناعات المتخصصة
A.Z.S.I

UNDP

الهيئة العربية للتصنيع
مصنع الالكترونيات

البريد المصرى
EGYPT POST

بنك فيصل الإسلامى المصرى
FAISAL ISLAMIC BANK OF EGYPT

ELSEWEDY ELECTROMETER

شركة سينو ثروة للحفر
SinoTharwa Drilling Co.

ASRT
SCIENCE & TECHNOLOGY CENTER OF EXCELLENCE
مركز التميز العلمى والتكنولوجى

الهيئة العربية للتصنيع
مصنع مهمات السكك الحديديه
سيماف

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