



iken

Company Profile

2021

www.iken.co





ABOUT IKEN

We help organizations become more lean, sustainable, and more profitable through operational excellence, improved assets utilization, optimized production, and enhanced supply chain responsiveness along with essential digital security infrastructure.

IKEN delivers secured digital integration value to many sectors such as manufacturing, agriculture, utilities management, retail, healthcare, aviation, and hospitality.

We bring our expertise in managing emerging technologies in alignment with our customers' business applications and goals.

What we Aspire?

Enabling our customers to successfully overcome their pressing challenges of improving manufacturing and overall cost structures by integrating and connecting all viable emerging technologies in a very personalized approach to match each customer's individual situation and unique needs.



Our Partnerships



IKEN and AOI signing their strategic partnership protocol for cooperation in Industry 4.0 applications and Digital transformation projects aiming at supporting the role of AOI in supporting Egypt's sustainability strategy 2030.



GE Digital

IKEN is the MENA strategic service partner of GE Digital to support the technology of the Fourth Industrial Revolution and digital transformation projects and initiatives undertaken by GE and its clients.



Iken provides unique synergy & value with its strong baseline in digital infrastructure, data center, and business solutions through its sister company and shareholder ACT. The group has more than 30+ years of expertise in digital transformation, strong financial capabilities, and over 700 dedicated specialized professionals expanding Iken's capacity to deliver mega sized projects.



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What we do?

Organizational Transformation

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

INDUSTRY 4.0 Applications

- Modeling & Simulation
- Data-Driven Decision-Making
- Reverse Engineering
- Integrated Dashboarding
- Predictive Maintenance
- Instant Data Connectivity

Digital Risk Mitigation

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

IKEN Academy

- Change Management
- Digital Readiness Training
- Specialized Training

Iken integrates the four major success elements of Industry 4.0 into a complete customized solution that affects the bottom line such as: improved cost structure, Smarter Production & Distribution, higher productivity and return on investment, better customer experience & creative new products/services while securing operation continuity & critical data.

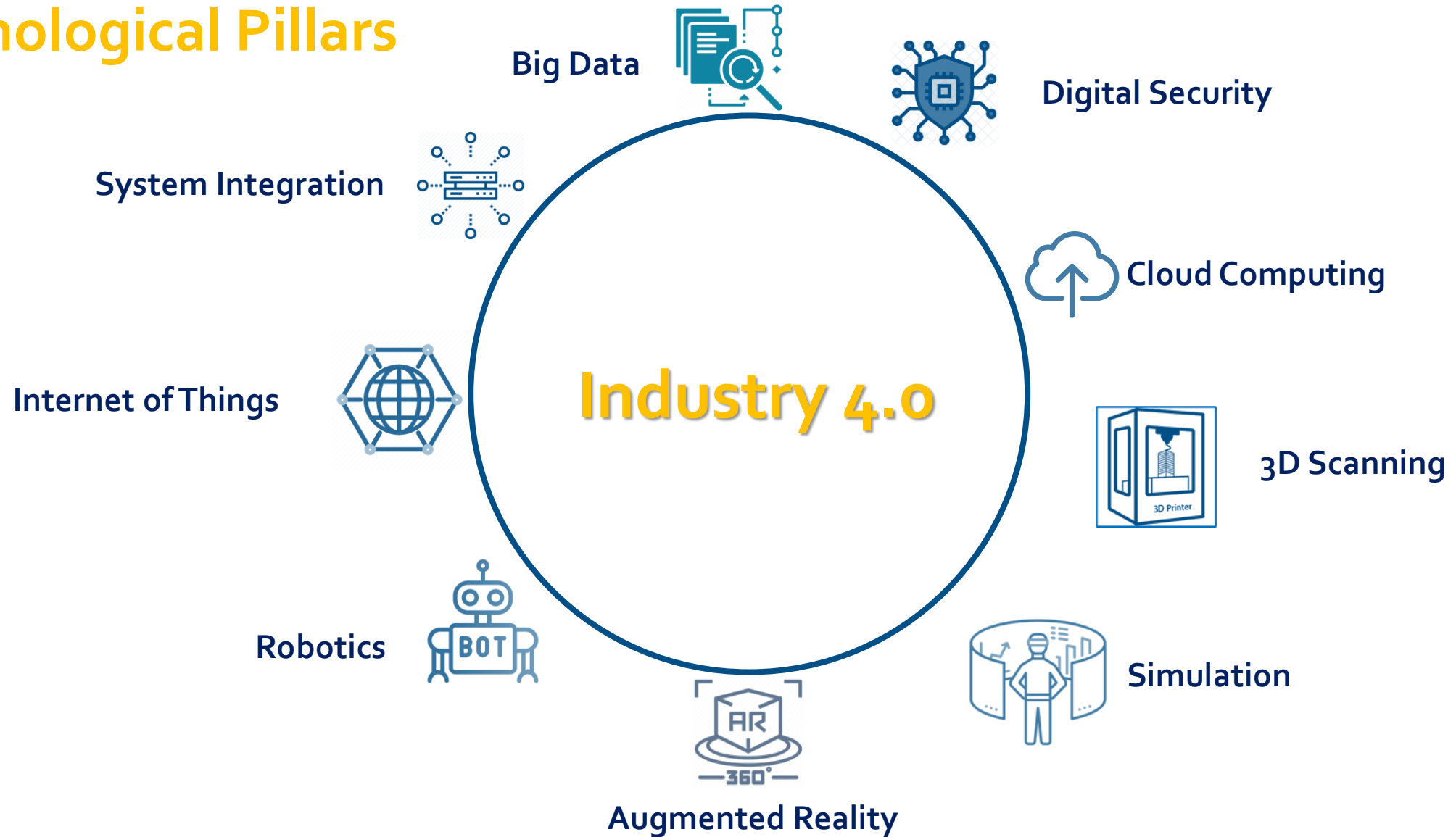


Industry 4.0 Transformation

As an Industry 4.0 value integrator, our focus is on business results rather than just technology. Iken puts the business performance and the bottom line in the heart of the digital transformation journey

Industry 4.0

Technological Pillars



I4.0 Transformation

We provide a wide range of Industry 4.0 solutions using emerging technologies such as, Artificial Intelligence, Industrial IoT, Embedded Software, digital security, additive manufacturing, Cloud Computing, Augmented Reality, Block Chain, and Autonomous Robots. Capitalizing on our compounded years of expertise, unique skill set, and strategic alliances, we help our customers to have an operational customized solution that delivers outstanding business results and improve the overall performance of the organization.



We consider ourselves as partners & facilitators throughout our customer's journey of transforming from manual into digital. We help in establishing a new reality of new processes, culture, & customer overall experiences.

Key Benefits of

Industry 4.0 Applications

- 1 Noticeable increase in return on investment and massive cost reduction
- 2 Increase in operational control, efficiency, and organizational agility
- 3 Improving production flexibility and customer centricity
- 4 Live data driven decision support

%15	Cost Reduction
%26	Increase in Industry Profitability
%20	Average increase in Assets Utilization
%26	Increase in new products sales
%20	Increase in production selling value
%40	Increase in operational efficiency
%36	Saving in time to market
%30	Increase in average customer satisfaction
%89	Customer Retention

Increase in Market Share

%12

Competitiveness



Some I4.0 Solutions

- Predictive Maintenance
- Digital Twinning
- Smart Warehousing
- Smart Grid
- Energy/Resources optimization
- Advanced Analytics & Big Data
- Precision Agriculture
- Responsive Merchandising
- Vertical and Horizontal Integration
- Accurate Traceability

Airport 4.0

Over 600 systems are deployed within a given standard airport. The integration and connectivity of all embedded systems will leverage a new standard for improved decision making in real time that will lead to:

- Reduce fuel consumption
- Improve scheduling
- Flight planning optimization
- Minimizing flight delays
- Airplane health management

SOME AIRPORT APPLICATIONS

- Ground Handling
- Master Planning
- Airport Safety and Security
- Converged Communications IOT
- IT-OT Infrastructure
- Land Side
- Air Side
- Facility Management



Government 4.0

Governments across the world are facing high level of change and disruptive technologies that presents both opportunities and threats. Iken supports governmental transformation through the deployment of all needed essential technologies to deliver social and citizenship value based on its long-term governmental experience and successful implementation of key digital transformation projects in railways, smart utilities management and security. Iken help government harness the following key outcomes:

- Increased productivity and resource efficiency
- Improved global competitiveness and revenue.
- Growth in high-skilled and well- paid jobs.
- Improved customer satisfaction
- Production flexibility and control.

Healthcare 4.0

Healthcare continues to become more competitive, the ability to assess tradeoffs between resource utilization, service, and operating costs grows in importance, such as with respect to appointment access, waiting room delays and telephone services. Iken realize the unique processes integration and patient relationship management along with key business metrics in healthcare. Our solutions provide effective management of scarce resources with sound financial and operational controls.

Key H4.0 Benefits

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

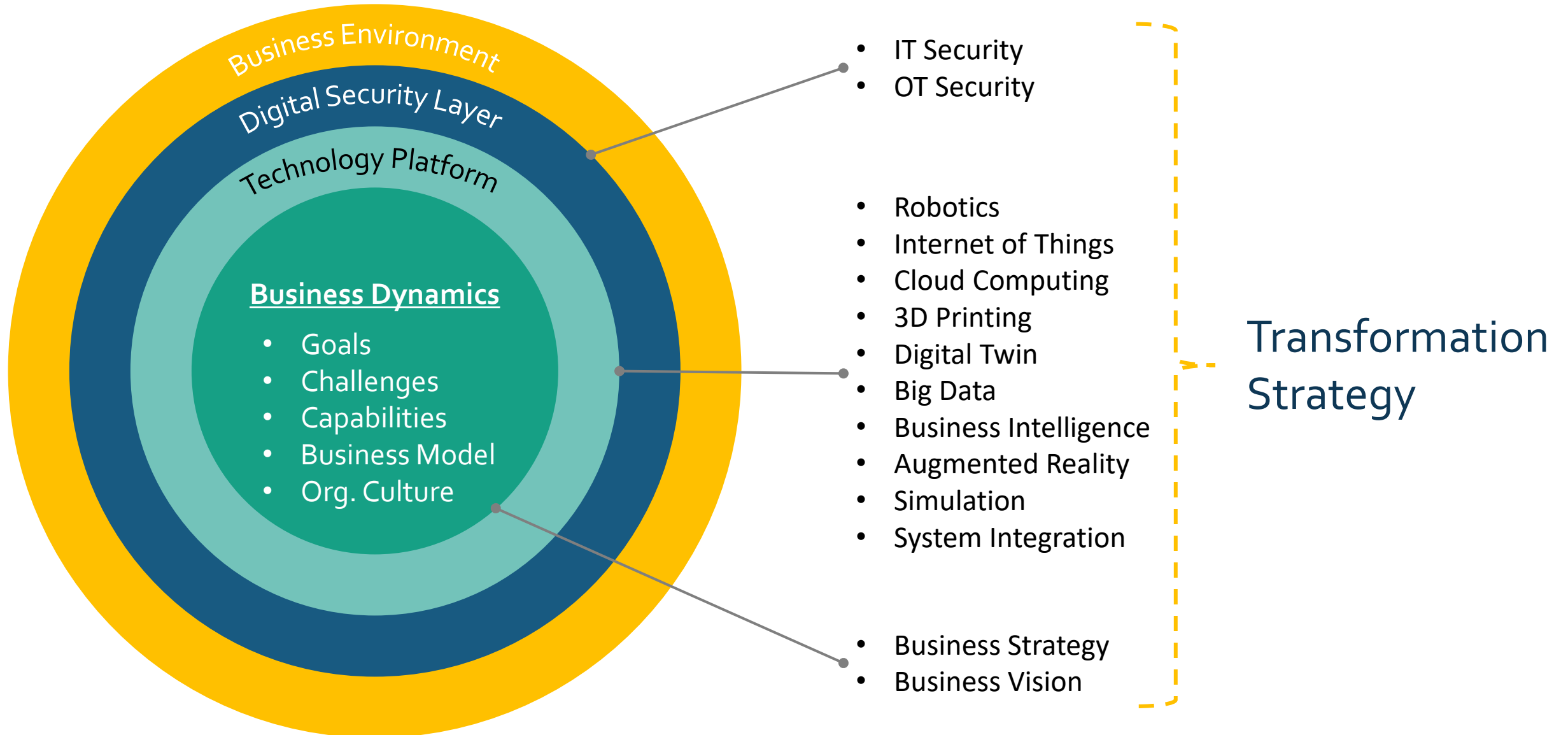




Transformation of the education industry will make it more personalized, peer-to-peer, and a continuous process. It will deploy the potential of digital technologies, open-sourced content and personalized data of this globally connected and tech-driven world. It will create a blueprint for the future of learning – from school-based learning to learning at the workplace. A few trends in this evolution of learning can be listed down as below:

- Accelerate Remote Learning
- Personalized Learning
- Choice of Education Tools
- Project-based Learning
- Field-specific Experience
- Data Analysis
- Changes in Exam Pattern and Assessment

IKEN Transformation Framework



Other Industry 4.0 Applications



Manufacturing	Utilities	Agriculture	Hospitality	Retail
<ul style="list-style-type: none">• Dashboarding• Efficient Automation• Mass Customization• Reverse Engineering• Vertical / Horizontal Value Chain Integration• Through-engineering	<ul style="list-style-type: none">• Increase Network control• Decrease non-revenue waste• Improve distribution efficiency• Remote working capabilities	<ul style="list-style-type: none">• Supply Chain Efficiency• Increase production yield• Accurate traceability• Increased farming quality• Cost & Time Reduction• Improved Produce Safety• Early Pests/Weather Threats Notification	<ul style="list-style-type: none">• Real Personalized Service• Virtual Customer Service• Progressive Payment Options• Smart Facility Management• Hotel Digitization	<ul style="list-style-type: none">• Smart Warehousing• Personalized Shopping Experience• Advanced Check-outs• Online/Offline Integration• Dynamic Pricing• Responsive Merchandising• High Product Information Visibility• Customers Data Monetization

DIGITAL SECURITY

Iken is a comprehensive full-range Digital Security Integrator covering both IT & OT domains. Iken includes experienced consultants, digital multilayer security policy formulation, risk mitigation expertise, technical digital security experts combined with latest digital security tools and technologies from renowned vendors.

Iken Digital Security services revolve around extensively evaluating customer's information security standing to mitigate risk. Our digital security experts ensure that our customers' digital infrastructures are tightly secured and there is zero chance for any vulnerability and integrity.

- We help architect the digital (IT/OT) security policies & framework for our customers.
- We partner with the best technologies' vendors to help our customers proactively implement their security policy and framework.
- We strive hard to give our customers, when possible, one dashboard solution where by one screen it is possible to depict the critical component risk graph that needs further digital security assessment.



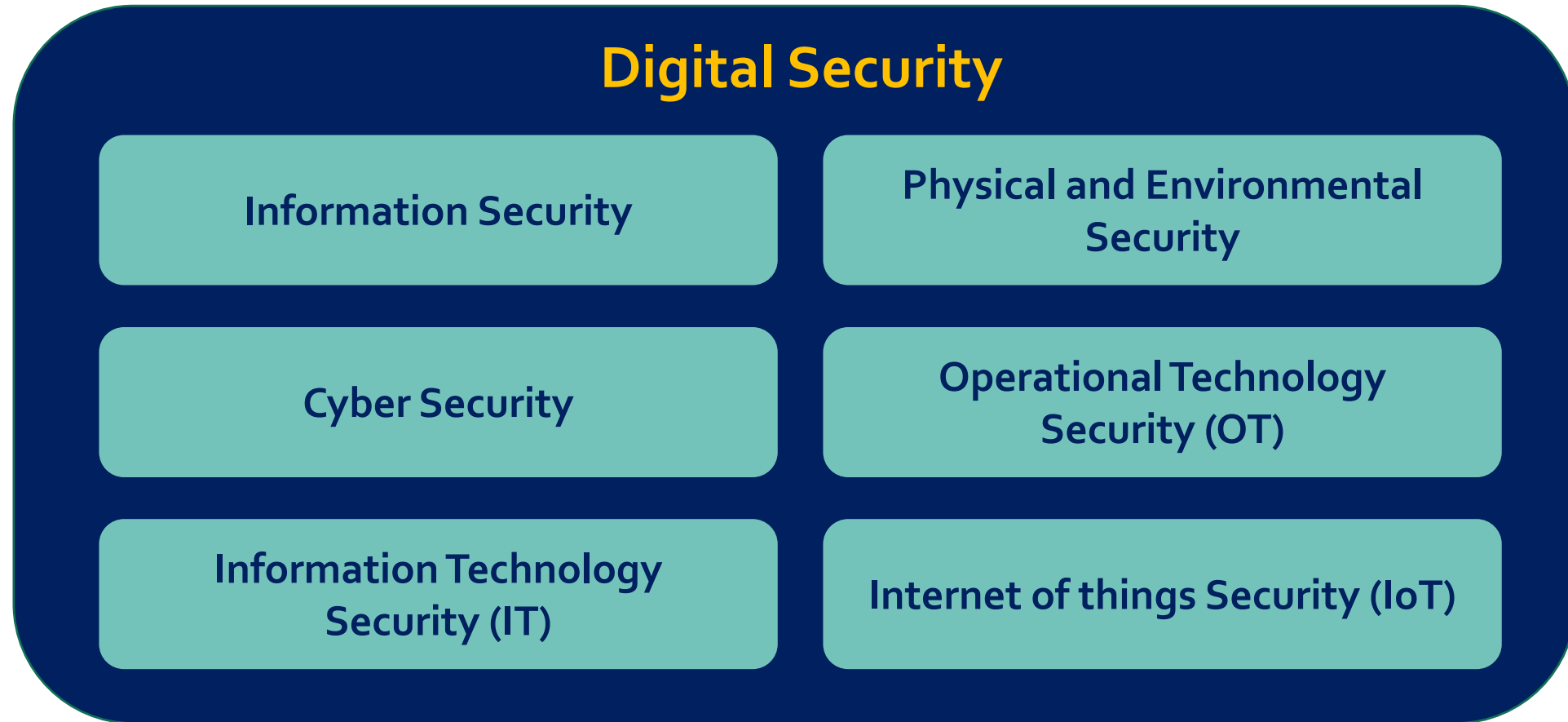
Data Centers

Iken offers a holistic approach to secure your data centers, which takes into account all the risks, threats and countermeasures, from their design to their operation. Security solutions have always been a key part of DC design and architecture and Data Center owners have worked hard to ensure the highest level of security and have scrupulously followed industry best practices for security and met all compliance norms.



Our expert engineers advise you and help you implement solutions to protect your data centers against intentional and malicious acts and events:

- Management and control of access to the data center.
- Passive or active perimeter protection.
- Remote surveillance and video surveillance.
- Measures to guarantee the cyber security of your equipment.



Iken brings to you the best of IT and OT security to power up your Industry 4.0 Digital Transformation process and secures your operations. Building on its long-term expertise in IT/OT security and its expertise in emerging technologies, Iken is capable of architecting, deploying, and maintaining a complete 360 Digital Security solution for your organization.

Digital Security Services

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.

Policies and Procedures

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

Cyber Security

- Strategy and governance.
- Security transformation.
- IoT Cyber Security.

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.

Iken Academy

We help our customers prepare their workforces for digital transformation by providing powerful training & knowledge transfer opportunities that will help in increasing our customers' level of digital readiness and shape their relative digital culture. Our customers can easily realize the direct ROI generated from improving their team's digital skills, such as SCADA Systems and Digital Security training, represented in faster and smoother operations, high agility, decreased downtime, and improved efficiency & and waste.

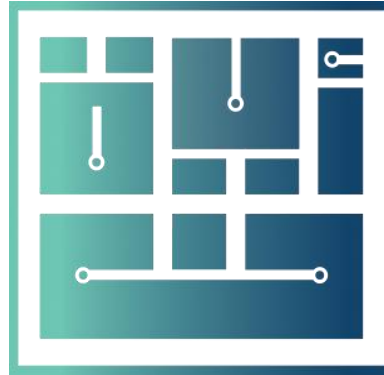
Our Customers





Eng. Hossam El Gamal
Iken CEO

IKEN brings real and secured digital transformation value to Public & Private Sectors.



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