

Enabling Digital Transformation





Who We Are

Giza Systems Group, digital transformation enabler and leading systems integrator in the MEA region, designs and deploys industry-specific technology solutions for asset-intensive industries such as the Telecoms, Utilities, Oil & Gas, Smart Mobility, Smart Cities, and other market sectors.

We help our clients streamline their operations and businesses through our portfolio of solutions, managed services, and consultancy practice.

Our team of over 1600 professionals is spread throughout the region with anchor offices in Egypt, KSA, UAE, Qatar, Kenya, Tanzania, Nigeria, Uganda and USA, allowing us to service an ever-increasing client base in over 25 countries.

What We Do

We deliver a comprehensive scope and range of end-to-end industry specific solutions that enable digital transformation and meet customer demand for streamlining operational and business efficiencies.

Our technical capabilities, extensive experience and knowledge of the market, as well as our partnership with global leaders enable us to develop integrated solutions that can work with, and build on, the evolving technologies, as well as meet the dynamic needs of our customers.

In our pursuit to constantly enhance existing resources and create new capabilities, we drive forward the growth of our company, our customers, our people, and our communities.



UN's Sustainable Development Goals (SDGs)

Building on our commitment to provide technologies that improve quality of life and create value for our communities - and stemming from our belief that positive action is a key factor for sustainability - Giza Systems is formalizing its efforts and adopting the United Nations' Sustainable Development Goals (SDGs) by incorporating them as a core part of the group's strategy.

 <p>3 GOOD HEALTH AND WELL-BEING</p>	<p>SDG 3 highlights the essential need to ensure healthy lives and promote the well-being at all ages for sustainable development. This goal also works on substantially reducing the number of global deaths and injuries from road traffic accidents, and the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination.</p>
 <p>4 QUALITY EDUCATION</p>	<p>SDG 4 strives for the establishment of inclusive and equitable quality education that promotes lifelong learning opportunities for all. It also works on achieving a substantial increase in the number of youth and adults who have relevant skills, including technical and vocational skills for employment and entrepreneurship.</p>
 <p>6 CLEAN WATER AND SANITATION</p>	<p>SDG 6 calls for ensuring availability and the sustainable management of water and sanitation. This entails reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, increasing water treatment, and implementing integrated water resource management at all levels.</p>
 <p>7 AFFORDABLE AND CLEAN ENERGY</p>	<p>Ensuring access to affordable, reliable, sustainable and modern energy for all is of crucial importance. Amongst SDG7 targets is the need for expansion of infrastructure and the upgrading of technology for supplying modern and sustainable energy services for all in developing countries.</p>
 <p>8 DECENT WORK AND ECONOMIC GROWTH</p>	<p>SDG 8 promotes inclusive and sustainable economic growth, full and productive employment and decent work for all. It aims to increase labor productivity, reduce unemployment rates - especially for young people - and improve access to financial services.</p>
 <p>9 INDUSTRY INNOVATION AND INFRASTRUCTURE</p>	<p>SDG 9 aims to build resilient infrastructures, promote inclusive and sustainable industrialization, and foster innovation. It underlines the need to facilitate sustainable and resilient infrastructure development in developing countries through enhanced financial, technological and technical support to African countries, least developed countries, and landlocked developing countries.</p>
 <p>10 REDUCED INEQUALITIES</p>	<p>The objective behind SDG 10 is to reduce inequality within and among countries. To reduce inequality, the needs of disadvantaged and marginalized populations are to be brought to the forefront.</p>
 <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>This goal aims to render cities and human settlements inclusive, safe, resilient and sustainable. As rapid urbanization had set enormous challenges, including increased air pollution and inadequate infrastructure, cities are now more susceptible to disasters. Therefore, better urban planning and management are highly needed.</p>
 <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>	<p>SDG 12 promotes sustainable consumption and production patterns. Achieving this goal requires a strong national framework for sustainable consumption and production that should be integrated into national and sectorial plans, sustainable business practices and consumer behavior.</p>
 <p>17 PARTNERSHIPS FOR THE GOALS</p>	<p>Stronger commitment to partnership and cooperation is needed to achieve the Sustainable Development Goals. Therefore, SDG 17 stresses on the means of implementation and revitalization of global partnerships geared towards sustainable development.</p>

Capabilities

With a steady growth in our client base all over the Middle East and Africa, we have established local and regional offices to respond to the demands of our clients, as well as leverage the company's success and proven track record in the different sectors.

Offices

- Egypt Headquarters: New Cairo
- Local offices: Alexandria, Ismalia
- KSA: Riyadh, Jeddah and Al-Khobar
- UAE: Dubai
- Qatar: Doha
- Kenya: Nairobi
- Nigeria: Abuja
- Uganda: Kampala
- Tanzania: Dar es Salaam
- USA: New Jersey

Industries We Serve

Working with over 2,000 satisfied customers, Giza Systems is uniquely positioned to fulfill the needs of the local and regional markets due to our diversified integration and automation solutions that fulfill the various needs of the following sectors:

- Telecommunications
- Oil and Gas
- Power
- Water and Wastewater
- Smart Mobility
- Smart Cities
- Manufacturing
- Education

Lines of Business

- Enterprise Business Solutions
- Industrial Digital Solutions
- Cloud Enablement
- Smart Solutions
- Regulatory Solutions
- Business Continuity Solutions
- Cybersecurity
- Digital Energy
- Automation & Energy Optimization
- Electromechanical
- Educational Labs
- Test & Measurement Instruments

Quality

Giza Systems recognizes the significance of ensuring an effective Quality Management System (QMS) as a part of its management scope. Therefore, we have designed, developed, and implemented a QMS based on the ISO 9001 standards.

The main mission of Giza Systems as a systems integrator and service provider is to ensure the delivery of full requirements to our customers within the agreed timeframe, along with the highest quality in our projects and deliverables, meeting customer requirements.

Our management team takes on a leadership responsibility in implementing, monitoring, measuring, and evaluating our QMS, with regular reporting and communication of its performance.

Giza Systems' QMS has been externally assessed and accredited according to ISO 9001 standards.



Health, Safety and Environment

To render Giza Systems the best place to work by creating a safe and healthy workplace – as well as to meet our clients' expectations – we are committed to HSE excellence for the protection of our people, communities, and assets. We constantly strive to achieve the highest standards everywhere we work, through a thorough assessment of HSE impacts from our businesses – both locally and regionally.

We achieve this through:

- Creating individual ownership and accountability
- Building a process focused on the prevention of injuries and illnesses
- Integrating safety and health into all business activities and processes

Our managers are accountable for the HSE performance of the operations, employees, and contractors they supervise. We perform regular checks to carefully monitor indicators such as injury rates and number of hazards mitigated or controlled. Our commitment to HSE is fundamental to who we are; it is what our leaders demand and what our customers expect of us.



Our People

We pride ourselves on our teams of trained and certified professionals spread throughout the region. The world-class development culture at Giza Systems is designed to empower our teams' continued learning and growth. Coaching is integrated into the way we work every day to support everyone's ongoing technical and professional skills development. These principles, combined with mentoring, learning programs, and concrete on-the-job application of skills, will continue to strengthen our people's experience and abilities throughout their careers.

Headway Program is a six-month internship program targeting fresh university graduates. It aims to develop certain technical skills and competencies by fostering technical, soft skills and on-the-job training to create a qualified pool of calibers ready to launch their careers from the onset. The program content was designed around a combination of technical theoretical trainings, soft skills trainings, on-the-job trainings and actual assignments.

Upon conclusion of the six-month program period, trainees graduate following a presentation and a thorough assessment of their performance. Top performers are offered full time jobs at Giza Systems based on hiring needs and vacancies.

The main aim behind Headway Program is training and preparing fresh graduates for the job market by qualifying them to pursue the careers of their choice.



Giza Systems Group of Companies

Established in 2006 to serve our industry verticals in the Kingdom of Saudi Arabia



Handles all integration business in Egypt

Established in 2011 as the contracting arm of the group



Established in 2009 to serve the UAE & Gulf markets

Established in 2007 to cater to clients exempt from sales tax & custom tariffs



Established in 2012 to serve the Qatari market

Established in 2004 as the distribution arm of Giza Systems



Giza Systems Kenya Integration serves Kenya and WECA

A Giza Systems company, headquartered in USA, handling life safety, security and BMS



Giza Systems Tanzania serves Tanzania and WECA

Leading storage distributor and integrator in the Egyptian market operating in cloud enablement and virtualization space



Giza Systems Uganda handles our integration business in Uganda and WECA

OEM & systems integrator for automation solutions catering to the manufacturing sector across MENA



AvidBeam® is a leading provider of video innovative solutions, pushing the boundaries of video processing capabilities with big data distributed architecture.

Jafeer Technologies for Cybersecurity managed services



Our Clients

Offerings Telecom



Industry Issues

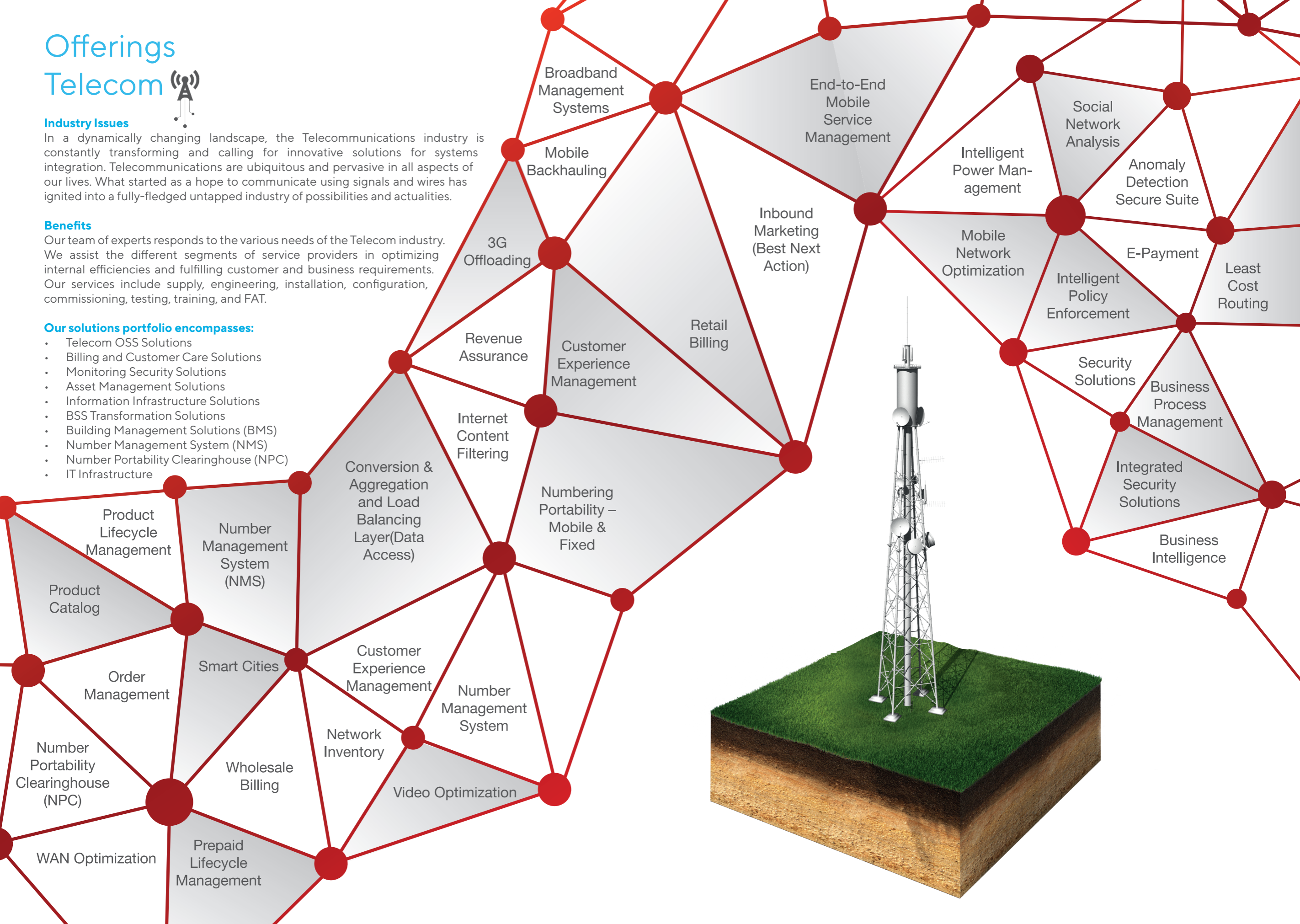
In a dynamically changing landscape, the Telecommunications industry is constantly transforming and calling for innovative solutions for systems integration. Telecommunications are ubiquitous and pervasive in all aspects of our lives. What started as a hope to communicate using signals and wires has ignited into a fully-fledged untapped industry of possibilities and actualities.

Benefits

Our team of experts responds to the various needs of the Telecom industry. We assist the different segments of service providers in optimizing internal efficiencies and fulfilling customer and business requirements. Our services include supply, engineering, installation, configuration, commissioning, testing, training, and FAT.

Our solutions portfolio encompasses:

- Telecom OSS Solutions
- Billing and Customer Care Solutions
- Monitoring Security Solutions
- Asset Management Solutions
- Information Infrastructure Solutions
- BSS Transformation Solutions
- Building Management Solutions (BMS)
- Number Management System (NMS)
- Number Portability Clearinghouse (NPC)
- IT Infrastructure





Oil and Gas

Industry Issues

The perpetual demand for energy combined with the limited supply of natural resources is forcing the Oil and Gas industry to reconsider how they do business. With fluctuating demand, limited supply, rising operation and production costs, environmental concerns, emergence of industry regulations, and compliance issues, the industry is becoming even more competitive.

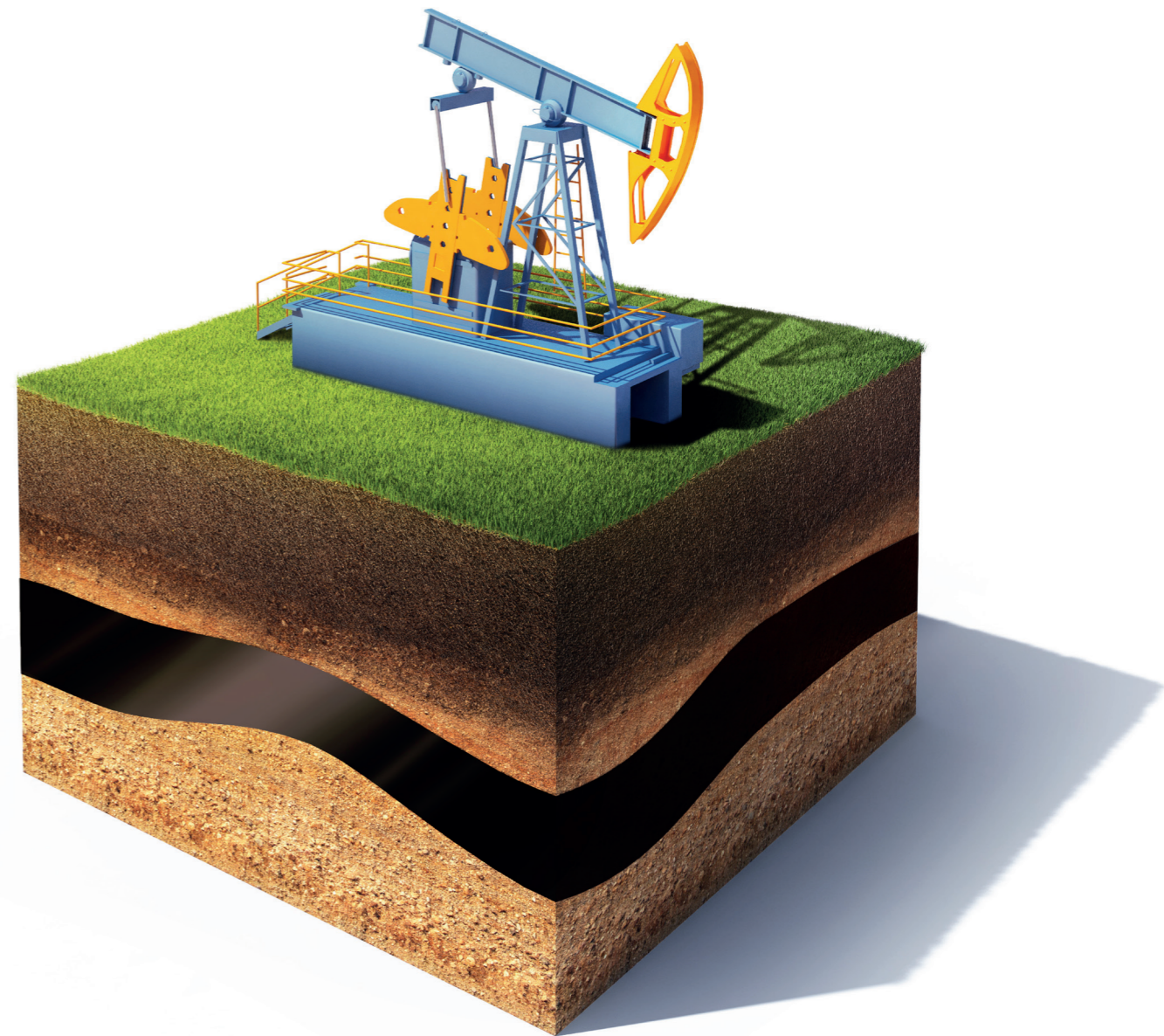
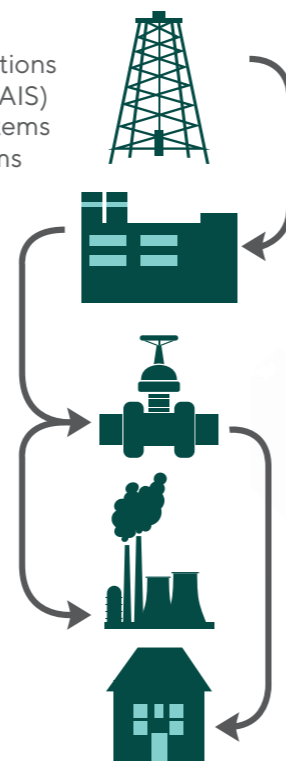
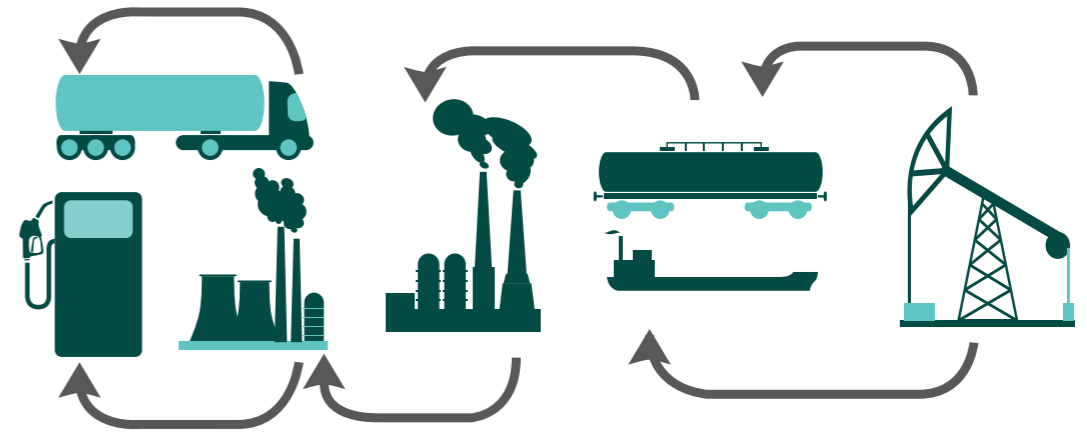
Benefits

We provide oil and gas companies with integrated solutions that aid management and operators with up-to-date systems and timely data to enhance operations all across the phases of the process. Giza Systems offers solutions that serve production, refining, transportation, distribution, and petrochemical operations, as well as regulatory operations necessary for optimum results.

Our services include supply, engineering, installation, configuration, commissioning, testing, training, and FAT.

Amongst our solutions are:

- Distributed Control Systems (DCS)
- SCADA Systems
- Advanced Process Control Solutions
- Field Solutions
- Wellhead Control Panels
- Fire & Gas (F&G) Safety Systems
- F&G Detectors
- Infrastructure Communication Solutions
- Automatic Identification Solutions (AIS)
- Machine Condition Monitoring Systems
- Emergency Shutdown (ESD) Systems
- Business Intelligence
- Back-office Solutions
- IT Infrastructure
- Smart Building Solutions





Power

Industry Issues

The increase in the global energy demands places an exigent amount of pressure on the power infrastructure, as well as requires a higher level of complexity to ensure streamlining of operations. Whether the project at hand involves power generation, transmission, or distribution, industrial automation and control processes are critical for improving efficiency and ensuring higher productivity and output.

Efficiency, reliability, affordability, and reduction of our carbon footprint are all key elements in the delivery of power solutions and systems to the industry.

Benefits

Giza Systems understands the needs of the power sector and is able to develop, support, and reinforce power delivery infrastructures. We provide a full spectrum of solutions, including smart grid solutions, which integrates the different systems in order to ensure operational efficiency, higher production rates, and improved safety.

Giza Systems' integrated solutions improve the operational efficiency of the power sector and provide it with the sufficient infrastructure for market stabilization, and improved coordination for the supply of resources.

Our integrated systems consist of end-to-end solutions that cover all vital functions within an organization. From systems that control generation processes and communication systems, to transmission and distribution solutions, Giza Systems offers a wide range of equipment and technology solutions that enable the power industry to ensure consistent, reliable, and cost effective processes. Our services include supply, engineering, installation, configuration, commissioning, testing, training, and FAT.

Our areas of expertise include:

Generation

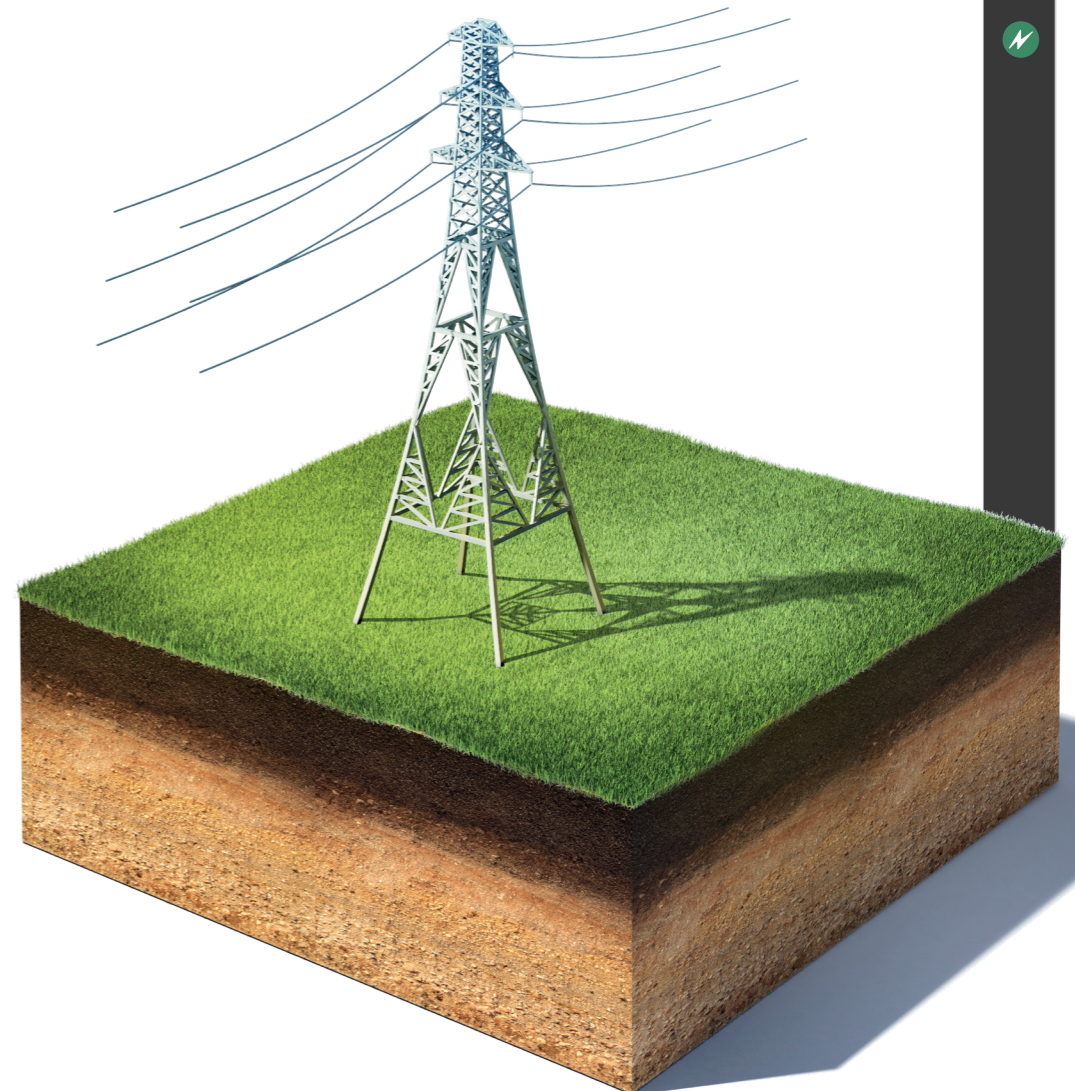
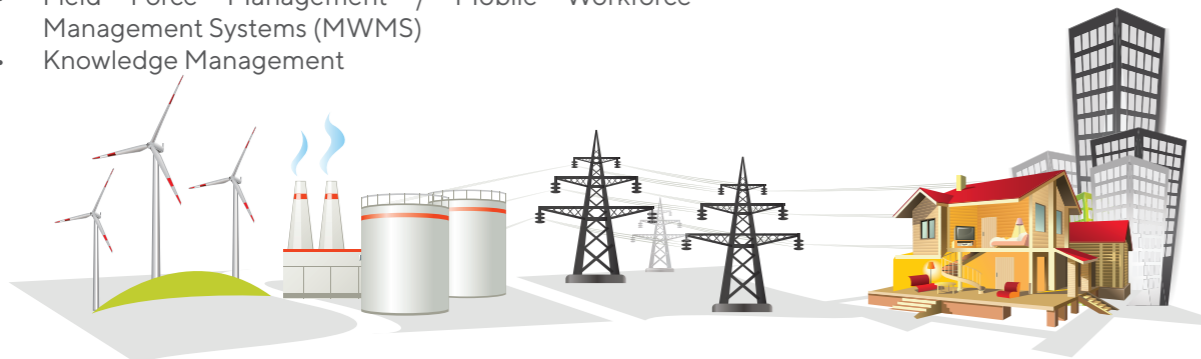
- Distributed Control Systems (DCS)
- Field Instruments
- Environmental Solutions
- Programmable Logic Controller (PLC)
- Turbine Control & Supervision Systems
- Combustion and Burner Management Systems
- Enterprise Asset Management (EAM)
- Machine Condition Monitoring Systems

Transmission

- High Voltage Substations (Turnkey)
- Optical Groundwire - Live Installation
- Thermal Conductors (Turnkey)
- Overhead Transmission Lines (Turnkey)
- Energy Management Solutions
- Wireless Communication Solutions
- Optical Fiber Networks
- Teleprotection Networks
- Substation Automation
- Analog/Digital Power Line Carrier Systems
- IT Infrastructure
- Smart Building Solutions

Distribution

- Distribution Management Solutions (DMS)
- Customer Relationship Management (CRM) and Billing
- Fiber to the Home (FTTH)
- Geographical Information Systems (GIS)
- Metering
- Field Force Management / Mobile Workforce Management Systems (MWMS)
- Knowledge Management





Water

Industry Issues

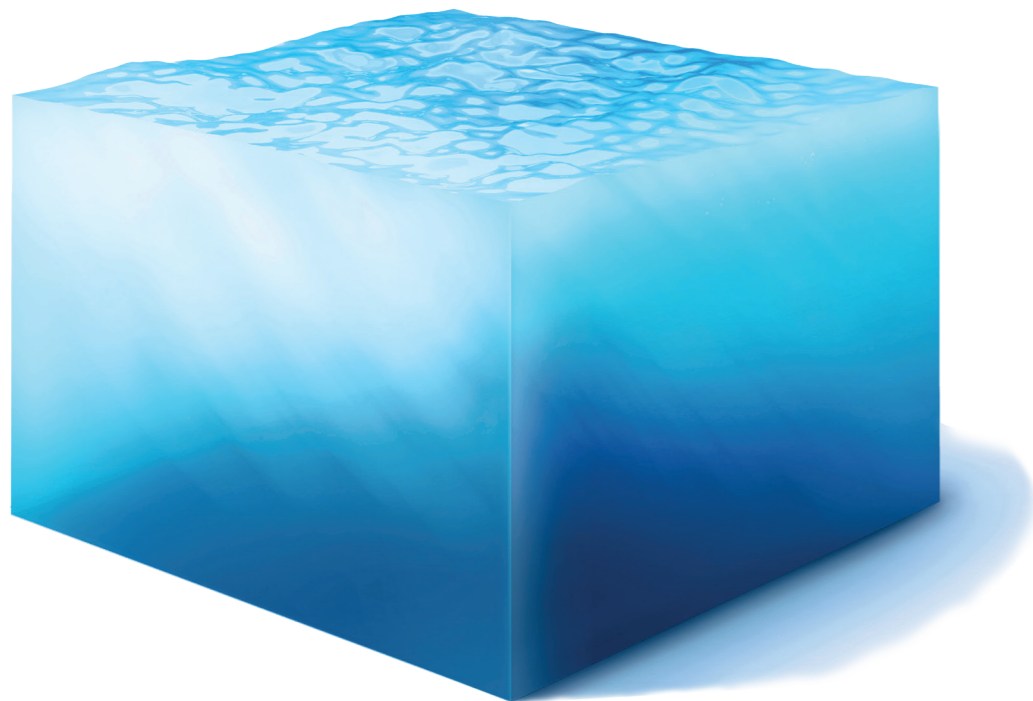
With the global challenge facing the water sector to manage resources more carefully and effectively, up-to-date technologies have become necessary to aid water companies in reaching the optimum levels of performance required.

Benefits

Giza Systems offers water companies integrated solutions that provide management and operators with the right tools and real-time data to optimize operations all across the phases of the process. Our services include supply, engineering, installation, configuration, commissioning, testing, training, and FAT.

Our solutions for the water sector include:

- Electromechanical Works
- Field Instruments
- Programmable Logic Control (PLC)
- Distributed Control System (DCS)
- Water Management Systems
- Automatic Meter Management (AMM)
- Hydraulic Modeling
- Geographic Information Systems (GIS)
- Supervisory Control and Data Acquisition (SCADA)
- Billing and Meter Data Management
- Energy Management
- Leakage Management Systems
- IT Infrastructure
- Smart Building Solutions



WATER





Smart Mobility

Industry Issues

With the demand in transportation expected to exponentially increase, nations, as well enterprises and operations, need to ensure that they are ready to deal with the different variables. Mobility, congestion, safety, security, infrastructure, operational efficiencies, energy are just some of the factors involved in the transportation industry. Innovative and integrated solutions are key for the implementation of the vision of integration transportations operations and infrastructures.

Benefits

Giza Systems' knowledge and proven track record in integrated solutions for SCADA, telecommunications, power generation and distribution, field solutions, and building automation systems enable it to deploy the most updated, state-of-the-art solutions to support complex transportation needs for critical reliability, operational efficiency, traffic monitoring and control, life safety, and property/facility management. Our services include supply, engineering, installation, configuration, commissioning, testing, training, and FAT.



Our offerings for the smart mobility sector include:

Road Transport Solutions

- Traffic Management
- Toll Management
- Tunnel Management
- Parking Management & Control Solutions
- City Surveillance Systems
- Intelligent Transportation Systems
 - Variable Message Systems
 - License Plate Recognition
 - Traffic Data Collection
 - Road Weather Stations
 - Weight in Motion
 - Section Speed Control Systems

Railways, Airports, and Sea Ports Solutions

- Communication Infrastructure
- SCADA
- Low & Current Power Systems
- Passenger Information Systems
- Passengers Fare Management
- Operational Voice Communication
- Power Substations
- Smart Building Solutions
- IT Infrastructure





Smart Cities

Industry Issues

Climate change, energy optimization, clean energy, smart city management and capitalization on the Internet of Things (IoT) trends are setting the new directions for smart buildings.

The benefits of smart buildings and cities are crucial for operational efficiency and resource management. The convergence of automated solutions to smart buildings is extending to the real estate, energy and utilities sectors for efficient energy management and resource utilization.

Benefits

Our expertise in the various verticals allows us to cater to projects varying in levels of complexity and size. Our services include supply, engineering, installation, configuration, commissioning, testing, training, and FAT.

Our systems and solutions work on increasing business and operational efficiencies through:

- Developing green buildings
- Enhancing security
- Optimizing energy management
- Providing operators with full information
- Reducing operational costs
- Offering both MEP and construction services

Our offerings for the hospitality and real estate sector include:

Life Safety

- Fire Detection and Alarms
- Voice Evacuation and Public Address

Security Systems

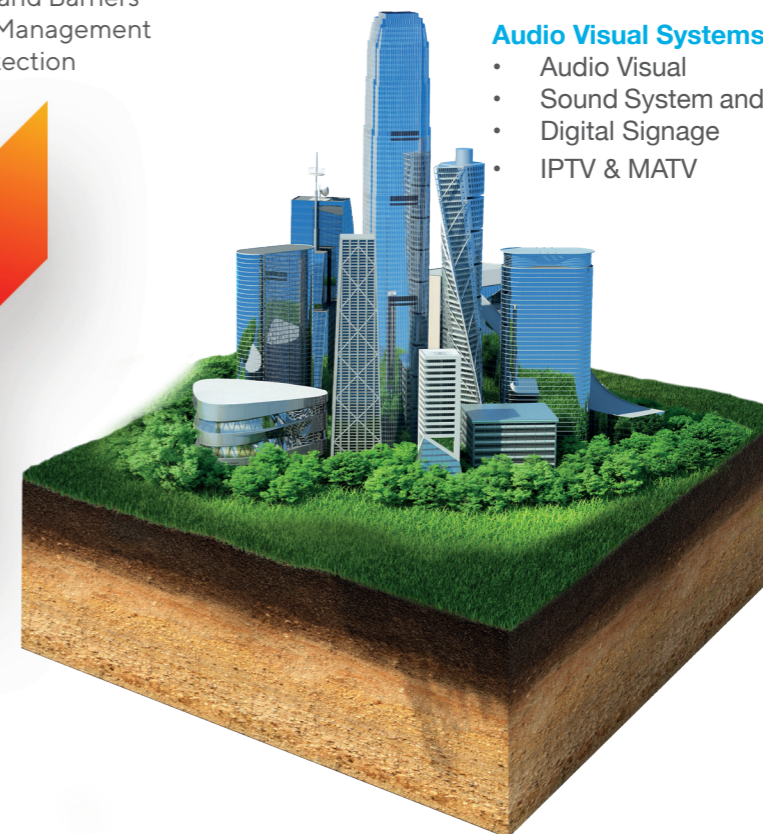
- CCTV & Video Management Software
- Access Control Systems
- Intrusion Detection and Perimeter Detection
- Bollards and Barriers
- Parking Management
- Leak Detection

Automation

- Building Management Systems (BMS)
- Lighting Control System
- Guest Room Management System
- Smart Energy Metering
- Environmental Monitoring
- IT Infrastructure
- Smart Building Solutions

Audio Visual Systems

- Audio Visual
- Sound System and Background Music
- Digital Signage
- IPTV & MATV





Manufacturing

Industry Issues

With the nature of global economy emphasizing the services sector, the manufacturing industry is facing a state of transition. Emerging markets, shifts in manufacturing processes, focus on supply chains and leaner techniques are just some of the aspects triggering this transition in the industry.

Key decision makers realize that manufacturing holds the key to long-term prosperity and well-being of an economy, as it translates into employment, investments, exports, and physical infrastructure.

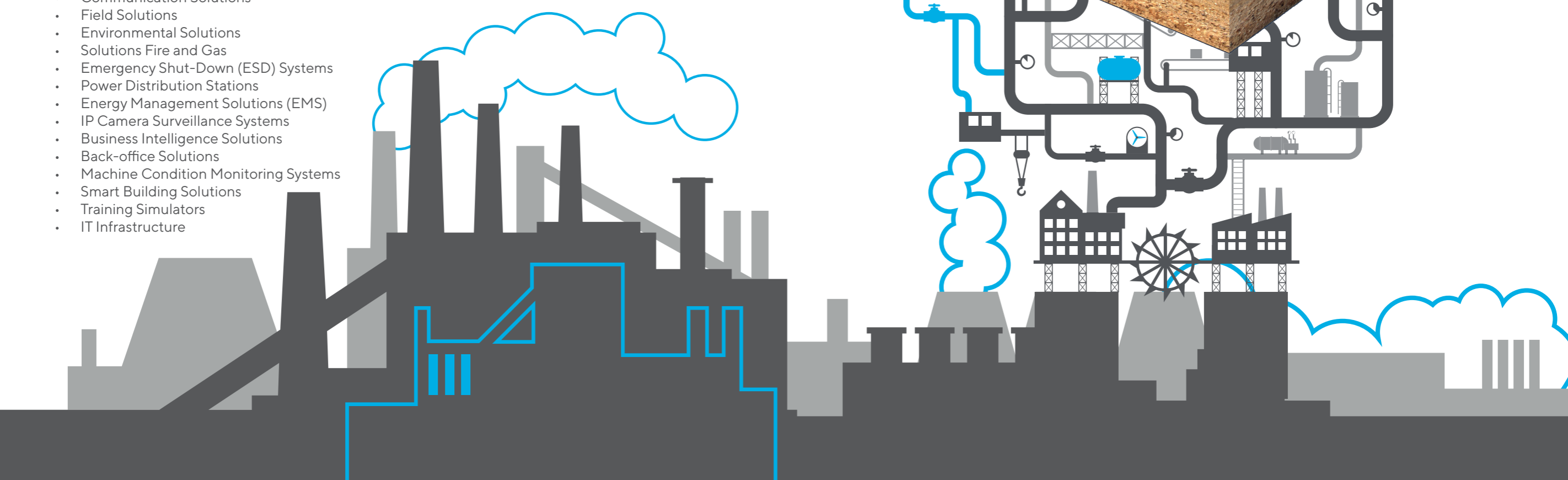
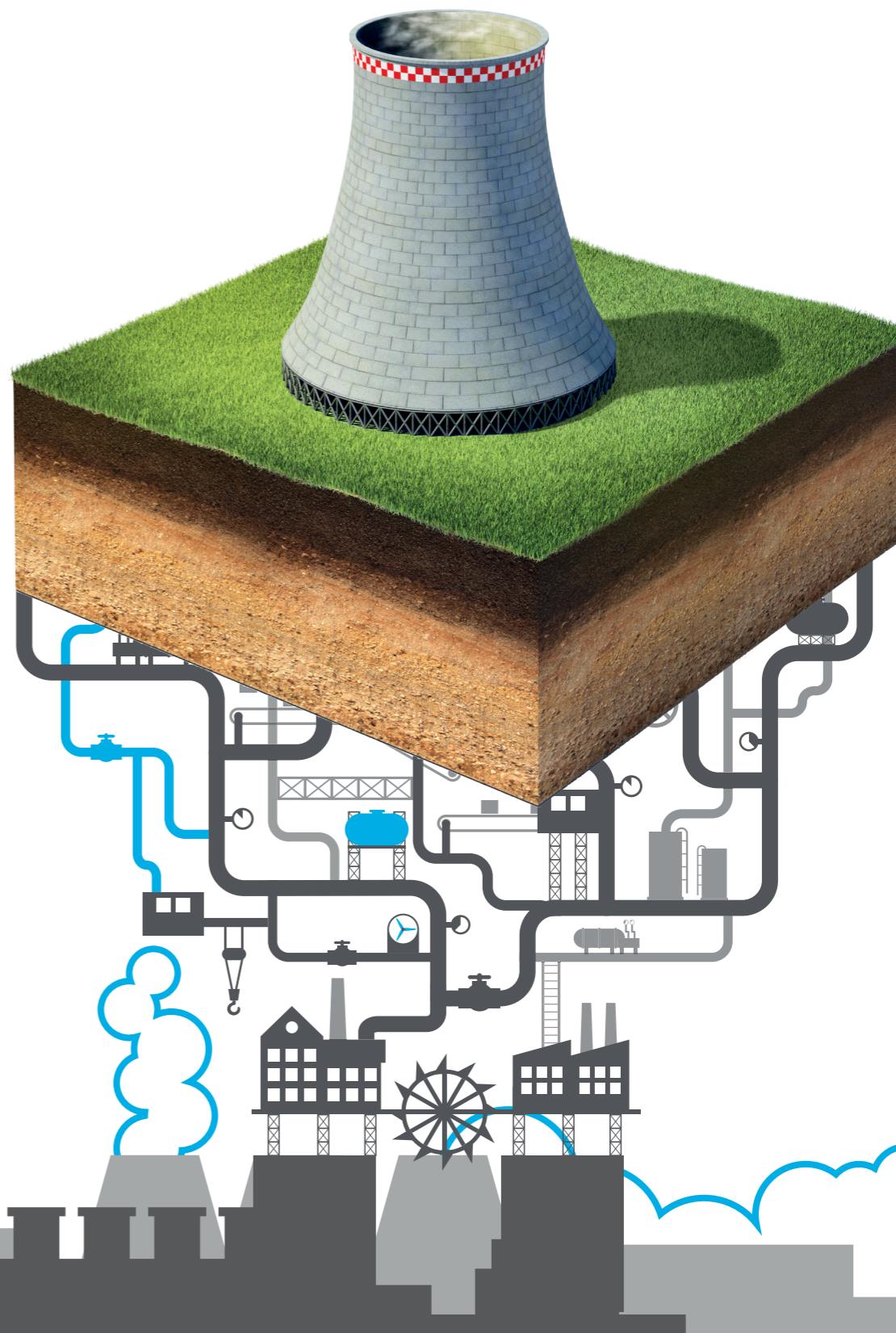
To ensure a resurgence and revitalization to the industry, manufacturers must adapt the way they do business to deal with the increased competitiveness of the industry, as well as the various challenges.

Benefits

Giza Systems offers a portfolio of advanced technological solutions that serve a wide spectrum of industries. Covering process manufacturing for a variety of industries including chemicals, food and beverage, fertilizers, and metals, our solutions are tailor-made to suit our clients' most specific needs. Our integrated technology driven solutions portfolio is specifically geared towards the manufacturing sector. By fully integrating our solutions into the manufacturer's business, our clients will be able to efficiently control and manage their operations. Our services include supply, engineering, installation, configuration, commissioning, testing, training, and FAT.

Our solutions for the Manufacturing sector include:

- Distributed Control Systems (DCS)
- Advanced Process Control Solutions
- Programmable Logic Controller (PLC)
- Supervisory Control and Data Acquisition (SCADA)
- Communication Solutions
- Field Solutions
- Environmental Solutions
- Solutions Fire and Gas
- Emergency Shut-Down (ESD) Systems
- Power Distribution Stations
- Energy Management Solutions (EMS)
- IP Camera Surveillance Systems
- Business Intelligence Solutions
- Back-office Solutions
- Machine Condition Monitoring Systems
- Smart Building Solutions
- Training Simulators
- IT Infrastructure





Education

Giza Systems is a market leader in the supply of educational systems, as well as test and measurement equipment, serving a myriad of organizations, including:

- Colleges and universities
- Educational institutes
- Governmental labs
- Industrial labs

Solutions

Industrial Training Equipment

Industrial training programs are used in occupational educational programs, engineering colleges, and in industrial facilities.

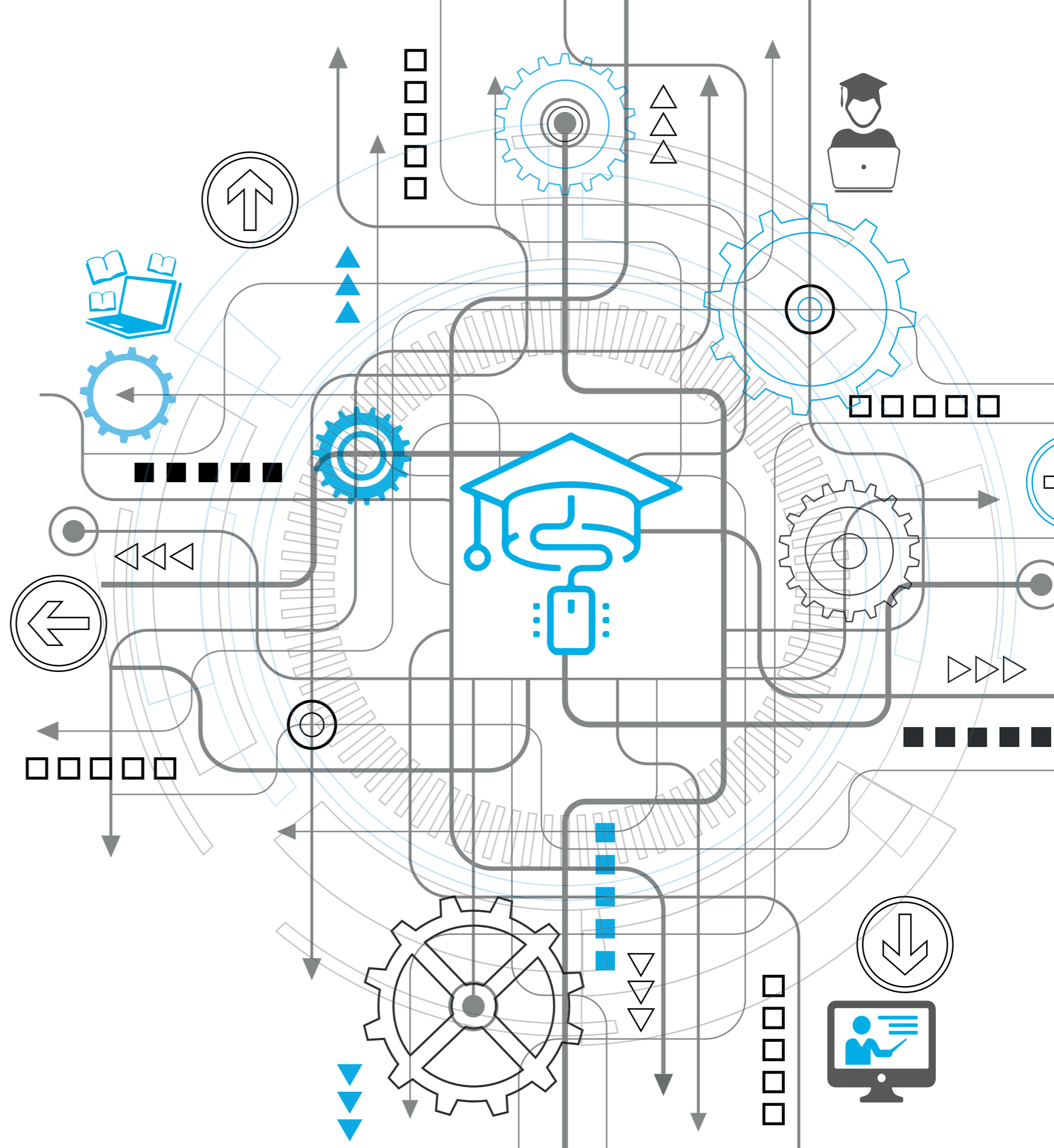
Our vast portfolio of training equipment, in addition to smart technology trainers, includes:

- Alternative Energy
- Boiler Systems
- Engineering Systems
- Green Technology
- Hydraulic and Pneumatic
- Industrial Maintenance
- Motor Control
- Rotating Machines

Customizable Labs

The solution offers:

- Third party certification
- Modular systems for future expandability:
 - Pick and place feeding
 - Gauging
 - Orientation processing
 - Sorting/buffering
 - Servo robotic assembly
 - Torque assembly
 - Inventory storage
 - CNC
 - Hydraulic press





New Tech: IoT

Industry Issues

With the increase in smart technologies, ubiquitous connectivity, and the massive development of apps, the ecosystem is becoming more complex and evolving to encompass diverse industries. To support the vision of the “Internet of Things,” scalability of new technologies, development of system interfaces, network architectures, and implementation platforms are essential drivers.

Benefits

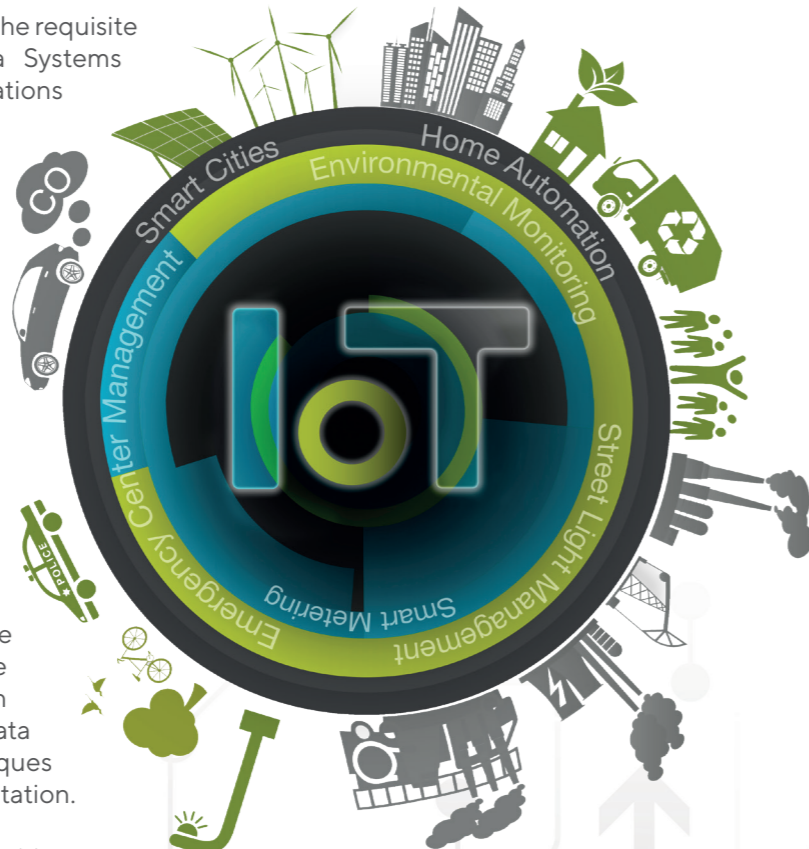
In addition to providing operators with the requisite backbone for their operations, Giza Systems has also developed in-house applications that cater to the IoT technology. The end-to-end IoT solutions cater to the various industries including Telecom, Utilities, Smart Cities, Hospitality, Oil & Gas, and Transportation.

These various applications can also be supported by our business intelligence (BI) solution that provides historical, current, and predictive views of operations to support better business decision-making through actionable insights. Common functions of business intelligence techniques are provided for the purpose of business performance management. These techniques involve reporting, interactive data visualization tools, online analytical processing, data mining and predictive analytics techniques like forecasting, clustering and segmentation.

The various applications for smart cities are integrated to help authorities and citizens optimize management of resources; improve workforce management and mobilization; provide accurate reporting and analytics; and save time, money, and energy.

The applications cover:

- Home Automation
- Environmental Monitoring
- Smart Agriculture
- Smart Metering
- Smart Poles
- Smart Street Light Management
- Emergency Center Management and Deployment
- Remote Site Monitoring
- Smart Waste Management
- Smart Parking



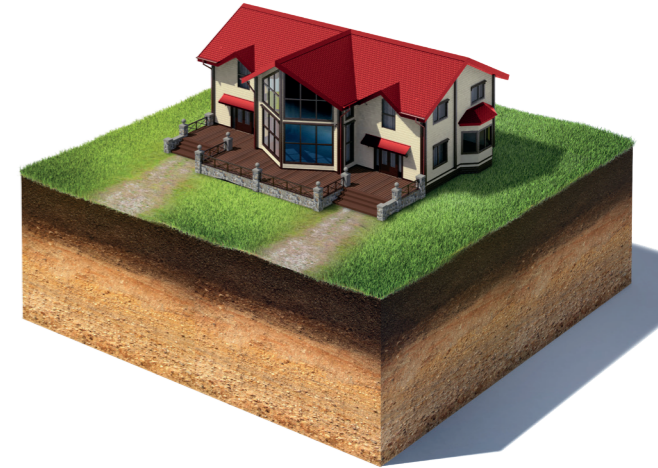
Applications

Home Automation

This application caters to the residential sector providing it with various benefits leading to enhancing safety and security, saving time and money and increasing convenience through the control of:

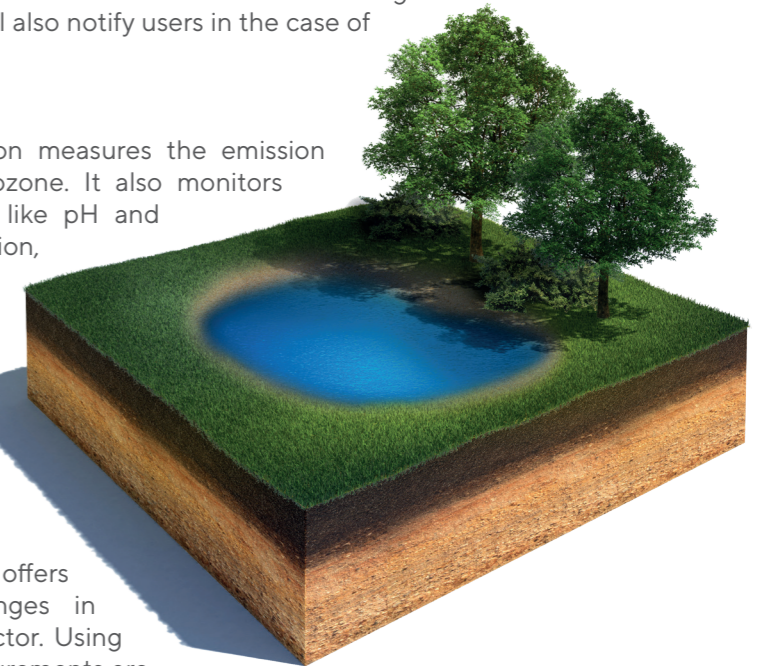
- Lighting
- Climate
- Privacy and security
- Appliances

Users have the ability to monitor the current status, usage, and preferences through a graphical interface, as well as receive email and mobile notifications alerting users of an identified risk. The application will also notify users in the case of fire or gas leakage.



Environmental Monitoring

Used to monitor pollutants, this application measures the emission of gases such as carbon monoxide and ozone. It also monitors water pollution by measuring parameters like pH and conductivity. Through the use of this application, users – both from the governmental and non-governmental sectors – can ensure that best practices are in place to monitor, track, and enable environmental surveying; pollution management; and environmental management programs, compliance, and regulations.



Smart Agriculture

Through IoT technologies, Giza Systems offers solutions that address everyday challenges in optimizing resources for the agricultural sector. Using sensors installed in the field, accurate measurements are collected and monitored allowing for a real-time assessment of parameters of interest.



Measurements include:

- Humidity
- Temperature
- Soil temperature and moisture
- A solar radiation weather station
- Environment indicators reading levels of NO₂, NH₃, CO₂ and volatile organic components
- Data regarding wind speed, direction and rainfall

Smart Metering

This application enables the creation of various commands and events to track the status of smart meters, such as:

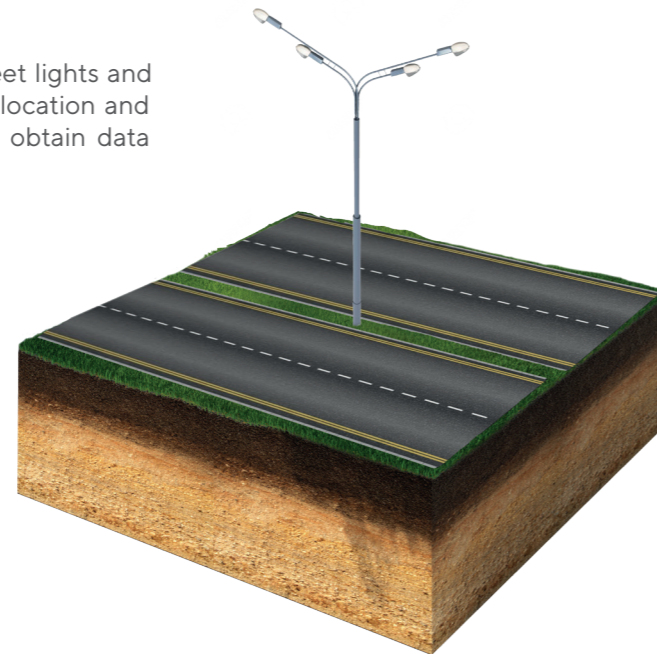
- Connect/disconnect loads
- Shading
- Remote control of meters
- Alerts in the case of illegal tampering

Smart metering enables utilities to reduce expenses; have measures in place for detecting leakage and energy theft; improve forecasting and customer service; simplify micro-generation monitoring; and track power generated as well as consumed. It also enables customers to directly manage their energy consumption and benefit from pricing models.

Smart Poles

Smart poles integrate with city infrastructure by optimizing urban efficiency and energy costs. The smart poles solution enables various modular multi-functional components for seamless intelligent applications needed for smart cities and urban planning. By incorporating various applications, smart poles can be used for traffic management, security, signage, environmental monitoring, etc. Various features and functions can be integrated into the smart pole, amongst which are:

- LED lighting
- LED display screen
- WiFi hotspot
- CCTV
- RFID receiver
- Weather sensors
- Environment sensors
- Emergency call



Street Light Management

This interface enables users to select specific street lights and have them pinpointed on the map to show their location and their status. A user can control street lights and obtain data parameters such as:

- Supply voltage power
- Supply current
- Run time
- Cycle count
- Temperature
- Energy levels

Governmental entities can leverage this application to achieve energy savings; operational reduction of costs; efficient and predictive maintenance; and for the utilization of new smart city applications.

Emergency Centers

This application enables the tracking and monitoring of events that are sent to emergency centers to alert police stations and fire stations, as well as deploy ambulances in case of emergencies.

Remote Site Monitoring

With Giza Systems' advanced expertise in industrial automation and its newly developed IoT applications, the remote site monitoring solution enables operators to achieve optimum operations and seamless remote site control. The solution provides users with visibility, monitoring and control functions for equipment, instruments, electro-mechanical, environmental, and security elements at each site (e.g. rectifiers, generators, battery management systems, etc.). Benefits of solution include:

- Improves operators' ability to monitor and control various process key performance indicators including basic field data, various equipment levels, and data analytics
- Supports safety and security measures
- Enables leakage and theft detection
- Helps save time and cut costs during daily operations and maintenance
- Enhances predictive consumption patterns and maintenance needs



Smart Waste Management

By utilizing intelligent waste collection solutions, cities and waste collecting companies can reduce their costs by 80%, while also reducing their carbon footprint. Smart waste management solutions allow for efficient monitoring of fill-levels of bins to optimize collection routes and planning.

Smart waste collection solutions involve sensors attached to bins to measure fill-levels. Real-time data from the sensors is transmitted to the platform to generate actionable information that is then utilized by waste collection managers and authorities to optimize collection routes.

The optimization of waste collection logistics reduces operational costs in terms of operating hours, fuel, trucks maintenance, road wear and CO2 emissions; resulting in greener cities.

Smart Parking

Offering innovative smart parking solutions based on multiple technologies, including:

- Wireless sensors
- Underground cables
- Fully automated wireless on-street parking
- Billing, inspection and real-time occupancy
- STC Parking Slots/Sessions control
- Revenue generation
- Violation enforcement
- Vehicle identification
- Parking monitoring statistics and analysis as well integration with other systems



Corporate Citizenship



These anchors also address and work towards the UN-SDG's (United Nations Sustainable Development Goals for 2030) numbers 4, 8, 9, 10, 12, 17.

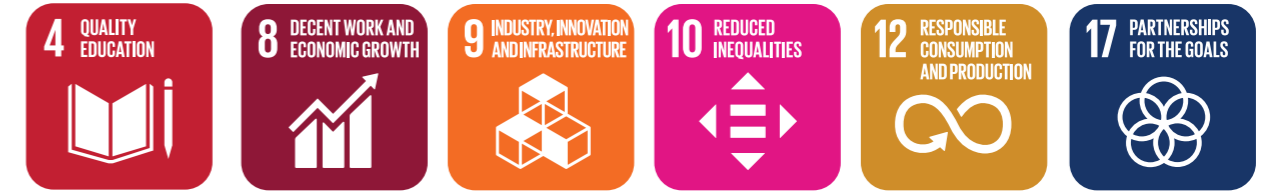
Giza Systems Foundation (GSF)

Giza Systems Foundation is a civil educational non-profit foundation seeking to employ technology for the advancement of education and society as a whole.

The Foundation aims to marry technology with education to develop a self-directed, better-informed, tech savvy and socially conscious individual that can contribute positively to the development of his or her community.

GSF aims to become the glue that brings and holds together the existing ecosystem – civil society, private sector, universities, youth organizations – to participate in the development of the society and economy.

Our strategy is built around three anchors: youth enablement, reducing inequalities and responsible consumption.



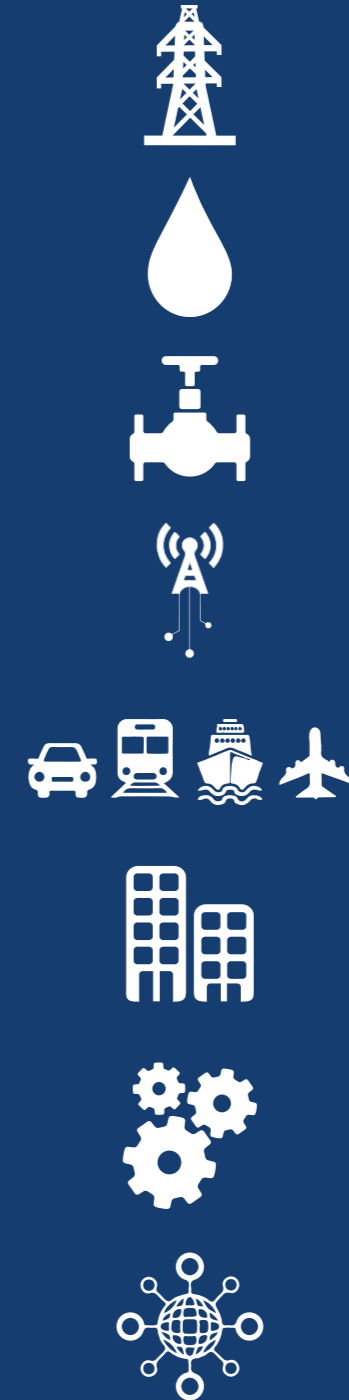
Flagship Projects

- Project Nitrous: initiative to empower persons with disabilities (pilot project funded by Drosos Foundation)
- Graphene initiative
- Operation EDEN
- Dell Solar Labs
- Fab Lab New Cairo: at Giza Systems Premises
- Fab Lab on Wheels: touring Egyptian governorates (partners: DELL EMC & Fab Lab Egypt)
- Fab Lab Minya
- Fab Lab Fayoum
- Fab Lab Beni Suef
- Fab Lab Sohag
- Fab Lab Menoufia
- Read to Succeed Initiative, Ezbet El Nasr, Cairo
- Supporting Technical Education (STEM), Suez
- EcoChic Initiative: upcycling of vinyl billboards to make school bags



Other Corporate Social Responsibility Initiatives

- Sponsorship of student activities and graduation projects
- Supporting organizations including INJAZ, Enactus, IEEE
- Mentorship initiatives
- Environmental initiatives (recycling, upcycling, environmental awareness campaigns)
- Donation initiatives (winter blankets, clothing, school bags, etc.)
- Blood drives supporting The Association of Friends of the National Cancer-free Initiative (AFNCI)



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