

Enabling Digital Transformation



Case Studies



Telecom



Egypt, North Africa & Levant

“My NTRA” Application for the National Telecom Regulatory Authority

Project

Development of “My NTRA” app

Client

National Telecom Regulatory Authority

Project Location

Egypt

Project Description

Giza Systems was chosen for the development of My NTRA App as part of Egypt’s digital transformation vision

Benefits to Client

- Better service reliability
- Security of people and assets
- Optimized responsiveness and efficiency
- Facilitating the process of receiving telecom services
- Saving costs, time and effort
- Better user experience, achieving customer satisfaction and loyalty

Scope

Development of “My NTRA” app to provide a number of interactive services via mobile phone, without the need to contact the call center or make personal visits to operators’ branches

Among the many services offered by “My NTRA” are: filing complaints, network quality and speed check, checking for mobile numbers registered under user’s ID, a direct communication channel with NTRA, and corporate services section.



MY NTRA

تطبيق الجهاز القومي لتنظيم الاتصالات
للتحكم في خدمات الاتصالات

حمل التطبيق الآن



Google Play



App Store



Telecom Egypt Contact Centre Upgrade & Expansion



Project

Telecom Egypt Contact Center Upgrade and Expansion

Client

Telecom Egypt

Project Location

Egypt

Project Description

Giza Systems was awarded the project to expand and upgrade Telecom Egypt contact center in partnership with Avaya and Novomind

Benefits to Client

- Enhanced speed and quality of customer service
- Optimized capacity and efficiency of TE contact service centers
- Introducing new technologies and availing new digital and multi-channels
- Enhanced overall customer experience

Scope

The project scope covered the expansion and upgrade of the Telecom Egypt contact center, including the provision of network solutions, servers, storage and a virtual environment, and the implementation of various solutions such as:

- Transforming storage disks from the disabled state to the enabled and ready state
- Interactive Voice Response (IVR) technology
- Video conferencing
- IP telephony
- Digital channels and chatbot

The Giza Systems scope of services extends to also cover maintenance and support for the following five years.



WE - Cloud & Data Center

Project

WE- Cloud & Data Center

Client

Telecom Egypt

Project Location

Egypt

Project Description

Giza Systems was commissioned WE Cloud & Data Center Project - Tier III Uptime certified **1500** Racks Data center

Benefits to Client

- Increased level of uptime
- Enhanced reliability
- Increased productivity and cost-effectiveness
- Protection of data from unauthorized or unethical activities
- Multiple power paths to ensure sensitive components are supplied with dual power sources

Scope

- Tier III Uptime certified **1500** Racks data center (containment – cooling – power)
- Data networking
- Support system design, engineering and documentation for the project
- Site acceptance test
- Commissioning and start up for the system

Alameia For Consulting & Information Systems

Project

Communications
Networks Infrastructure

Client

Alameia for Consulting &
Information Systems

Project Location

Egypt

Project Description

Giza Systems was awarded the EMC infrastructure project for the benefit of Alameia for Consulting & Information Systems.

Benefits to Client

- Enhance the systems' performance
- Dramatic reduction in the time, effort and cost of integration for the operations

Scope

The scope entailed the supply, design, engineering, procurement, installation, training, testing, commissioning, and start-up of the following:

- Communication network infrastructure solutions
- Fiber solutions

Etisalat New Office Building

Project

Integrated Life and Property Safety Solutions

Client

Etisalat

Project Location

Cairo, Egypt

Project Description

Giza Systems was awarded the project to implement Life and Property Safety Systems and threat detection solutions.

Benefits to Client

- Enhance reliability and comfort
- Save time and money

Scope

- Fire alarm system
- Liquid leak detection
- Integration platform



Fault Management Solution

Project

Fault Management Solution

Client

TE Data

Project Location

Egypt

Project Description

Giza Systems was awarded the project for providing the Fault Management solution for TE Data.

Benefits to Client

- Provide valuable visibility into operational and performance data across multiple technology domains
- Optimize levels of efficiency and productivity in operations
- Enable the operators to troubleshoot problems in real-time

Scope

Design, planning, hardware and software installation and configuration of HP Fault Management solution. The scope included:

- Integration of solution with existing infrastructure
- Stabilization
- Testing
- Training
- Support

A photograph of a modern, multi-story building with a white facade and large glass windows. The building is partially obscured by a large, dark blue, semi-transparent graphic overlay that covers the left and bottom portions of the image. The text 'TE Data' is visible on the building's facade in a stylized font, with 'TE' in red and 'Data' in black. The sky is clear and blue.

TE Data

IBM Egypt

Project

Enterprise Business Solutions

Client

IBM

Project Location

Egypt

Project Description

Giza Systems was awarded the project to supply a New DPI Solution to manage the network of TE-Data.

Benefits to Client

- Improve administration systems and processes
- Enhance cost savings
- Optimize operational efficiencies for accurate results and informed decision making
- Improve customer experience

Scope

The project entailed the supply of Procera DPI and telecom network components, to include the following:

- Probes
- Services
- Nodes
- HW & SW
- Licences



Network Performance Management

Project

Network Performance Management

Client

Telecom Egypt

Project Location

Egypt

Project Description

Giza Systems was commissioned to install a solution to aid in the enhancement of network performance management to attain end to end visibility of its network and services.

Benefits to Client

By centralizing the visibility of the network and commissioning the needed system, the client was able to extract and consolidate key performance indicators from the different components, enhance customer satisfaction, generate customized business reports, provide integrated view of KPIs, and allow for consolidation and operational efficiencies.

Scope

Installation, provision of on-site operations, as well as support for:

- Hardware sizing and installations
- Infovista software installations and customizations
- Oracle database installations
- Specific reports customizations
- Training on the software solution
- Support for the installed Infovista software
- On-site operations

Number Portability Clearinghouse

Project

Number Portability Clearinghouse

Client

North African Regulatory Authority

Project Location

Middle East, North Africa

Project Description

Giza Systems was awarded the project to deliver a Number Portability Clearinghouse (NPC) Solution to a North African Regulatory Authority.

Benefits to Client

- Improve the quality of services
- Guarantee high reliability, security, and scalability
- Enable easy start-up by new entrants due to standardized interfaces
- Facilitate accurate auditing and monitoring of compliance for laid down rules

Scope

Design, planning, hardware installation and configuration of Number Portability Clearinghouse solution (NPC), which included:

- A centralized reference database (CRDB) used to port subscriber mobile/telephone numbers, so that subscribers can retain their numbers when requesting to change their service providers
- A Disaster Recovery System that allows porting processes and database queries to continue in case of production system failure

Telecom Egypt Data Center Installation

Project

Telecom Egypt Data Center Installation

Client

Telecom Egypt

Project Location

Egypt

Project Description

Giza Systems was commissioned to install a new data center for newly purchased applications (including a billing system) and thus replacing the old system distributed all over the country.

Benefits to Client

- An upgrade, leading to enhanced performance
- Reduction in time, effort and cost of operations

Scope

- Installation of all the necessary hardware, including racks, HP RX servers, HP superdomes, storage systems, and tape libraries
- Deployment of the appropriate Operating System on each machine (HP-UX, RHEL and Windows)
- Configuration of service guard cluster on HP-UX operating systems
- Installation of the network connecting servers and switches
- Configuration of a high availability solution on network cards (network teaming)
- Installation of a fiber-optic channel connection between servers and storage systems
- Configuration of a high availability solution on HBAs (EMC power path)
- Configuration of Symmetrix storage system and assigning disk spaces to hosts
- Configuration of ADIC I2K and ADIC i500 tape libraries and connecting them to backup servers
- Configuration of EMC networker solution to be used in data backup



Telecom Egypt Data Collection

Project

Telecom Egypt Data Collection

Client

Telecom Egypt

Project Location

Egypt

Project Description

Giza Systems was commissioned to address a number of problems encountered at the opera site due to the power outage.

Benefits to Client

Because of unstable power supplies at the Opera central sun storage disks, master records were unreadable at the storage management units, which rendered the disks invisible to the storage. They were marked as “disabled”, causing corruptions in the VERITAS configuration. The product in use – Sun StorEdge 6020 – was an obsolete product with no known support system. The Opera site was totally dysfunctional, which prevented data collection files from being sent to the mediation and billing systems. This problem was resolved.

Scope

Fixing all the problems that occurred due to the power outage as listed below:

- Transforming storage disks from the disabled state to the enabled and ready state
- Reassigning the LUNs to the hosts, to be accessible once again
- Making the VERITAS Volume Manager ready for mounting to be accessible for application



Telecom Egypt Hardware Maintenance

Project

Telecom Egypt
Hardware Maintenance

Client

Telecom Egypt

Project Location

Egypt

Project Description

Giza Systems was commissioned to install a new version of HP-UX on the server and retrieve the configuration files one by one from a networked backup for the file system, with no impact on customer data.

Benefits to Client

Due to unplanned change from the client's side, one of the new billing cluster nodes was completely lost. No backup was performed before this incident. The new billing cluster was then working in a degraded status and the high availability solution no longer existed. This issue was resolved.

Scope

Installation of a new fresh version of HP-UX on the server and retrieving the configuration files one by one from a networked backup for the file system, with no impact on customer data.



Libya Telecom & Technology

Project

Enterprise Business
Solutions

Client

Libya Telecom &
Technology

Project Location

Libya

Project Description

Giza Systems was awarded the project to supply Procera DPI system for the benefit of Libya Telecom & Technology.

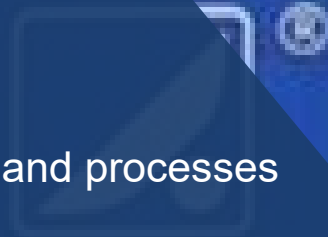
Benefits to Client

- Improve administration systems and processes
- Increase cost savings
- Optimize operational efficiencies for accurate results and informed decision making
- Improve customer experience
- Enhance bandwidth/traffic management
- Offer new services for Libya Telecom customers

Scope

The project entailed the installation of a new DPI solution to manage the network of Libya Telecom. The scope included the supply of:

- HW
- SW
- Licenses



الاتصالات
والتكنولوجيا

ليبيا



Telecom Egypt Fire Alarm Frame Agreement

Project

Telecom Egypt Fire Alarm Frame Agreement

Client

Telecom Egypt

Project Location

Egypt

Project Description

Giza Systems was awarded the fire alarm frame agreement for the 61 Telecom Egypt telephone central offices across Egypt, in partnership with Edwards United Technologies.

Benefits to Client

- Securing assets of staff, buildings and equipment against fire hazards.
- The development of the infrastructure of the TE network of central offices.

Scope

The frame agreement scope entails the replacement, supply and installation of fire alarm systems for all 61 Telecom Egypt central offices as a first stage of the project.

KSA

IoT Connectivity Management Platform



stc

Project

IoT Connectivity
Management Platform
(CMP)
Applications Operations &
Support Managed Services

Client

STC

Project Location

KSA

Project Description

Provide Operations and
Support Managed Services
for STC IoT CMP
(Connectivity Management
Platform).

Benefits to Client

- Improving Ops Practices and SLA towards Smart Operations
- Smooth transition of new deployed solutions to operations
- Implement STC's operations automation strategy
- Localization of Digital Technologies and Content

Scope

Operate, maintain and support STC's IoT connectivity management platform that provides the M2M services connectivity across the Kingdom.

STC Wholesales, Broadband & Customer Experience Applications Operations Managed Services Project



Project

STC Wholesales, Broadband & Customer Experience Applications Operations Managed Services Project

Client

STC

Project Location

KSA

Project Description

Giza Arabia was awarded the project to provide Wholesales, Broadband & Customer Experience Management Applications Operations Managed Services for STC

Benefits to Client

- Consolidation of operating multiple applications, solutions and platform under one umbrella
- Smooth transition of new solutions to operations
- Implementation of STC's operations excellence strategy
- Automation of interconnectivity processes to reduce risks of cross operators and cross-country services due to wholesales agreements
- Lower OPEX and longer term ROI
- Sustain and improve STC Fixed customer Experience

STC Wholesales, Broadband & Customer Experience Applications Operations Managed Services Project...Cont'd



Project

STC Wholesales, Broadband & Customer Experience Applications Operations Managed Services Project

Client

STC

Project Location

KSA

Project Description

Giza Arabia was awarded the project to provide Wholesales, Broadband & Customer Experience Management Applications Operations Managed Services for STC

Scope

- Provide Level-1 and Level-2 technical and operations support managed services for: Wholesales (WSS), Broadband (BB), Fixed Customer Experience Management (CEM) and Kafka Decoupling Bus solutions applications stack.
- Service includes diverse mission critical set of solutions and applications, which serve STC's wholesales and broadband customers, in addition to two new platforms deployed recently making it the first time to be introduced to stc's operations landscape at this scale: Fixed CEM & KAFKA Bus

STC Subscriber Identity Module – Over The Air (SIM-OTA) Managed Services



Project

STC Wholesales, Broadband & Customer Experience Applications Operations Managed Services Project

Client

STC

Project Location

KSA

Project Description

Giza Arabia was awarded the project to provide Wholesales, Broadband & Customer Experience Management Applications Operations Managed Services for STC

Benefits to Client

SIM-OTA is vital for Mobile Operators, as a step on the way to support eSIM - enabling communication, downloading of apps, and management of SIM cards without being physically connected to the SIM

- L1, L2 and L3 Support
- Operation
- Preventive Maintenance
- Proactive Maintenance
- Change Management

Scope

STC awarded Giza Arabia, in partnership with Gemalto, 3 years Managed Services for its SIM-OTA. The Managed services are performed on the Gemalto modules:

- Advance Over The Air
- Service Manager
- Online Service Gateway
- Push Manager (Smart Message Campaign)

Robotic Process Automation (RPA) for STC

The STC logo is displayed in a white rounded rectangle. The letters 'stc' are in a bold, lowercase, purple font. The background of the slide is a photograph of an STC building at night, with the company name and logo visible on the facade. The building has a modern design with large glass windows and a white sign with the STC logo and Arabic text 'الاتصالات السعودية' (Saudi Communications & Information Co. S.C.).

Project

Robotic Process Automation (RPA) for Enterprise Business Processes and Field Operations' Work Centers

Client

STC

Project Location

KSA

Project Description

Giza Arabia is to implement the Business Processes Automation using RPA for Enterprise Business Unit and Field Operations' Work Centers Processes in partnership with UiPath.

Benefits to Client

- Achieving STC vision of digital transformation
- Reduction in OPEX
- Automation of repetitive time-consuming processes
- Increase in end customer satisfaction
- Increase in productivity and efficiency
- Improved accuracy in logging and human-error elimination
- Increase in quality control
- Optimization of work-center agents enabling them to dedicate their time to more creative and complex tasks
- Enhancement of agile culture among STC project teams

Scope

- Implementation of Robotic Process Automation (RPA) for Enterprise Business Processes and Field Operations' Work Centers
- Enabling the adoption of agile development approach for delivery

IPX Platform Managed Services



stc

Project

IP Exchange (IPX) Managed Services

Client

Ribbon Communications for STC Network Sector

Project Location

KSA

Project Description

Giza Arabia landed the award of the IPX Managed Services for STC

Benefits to Client

- Offer cost effective solutions and new frameworks
- Provide systems with updates for faster time-to-market
- Optimize operational efficiency of service development and operation
- Increased mobility services
- Improved end-to-end quality of service
- Enhanced user experience

Scope

- Full managed services for operations and technical support for STC's IPX Network Management Solution.
- The scope covers IPX full stack platform of hardware, configuration, performance, OSS and NOC



Broadband Management System

Project

Broadband Management System

Client

STC

Project Location

KSA

Project Description

Giza Systems was commissioned to install a powerful broadband management system replacement with greater flexibility and proper support.

Benefits to Client

- Operator can now rely on a robust, flexible broadband management solution
- Solution is fully integrated with other solutions within its network, providing E2E management for DSL subscribers from subscription to billing

Scope

In partnership with Alepo, the scope of the project included:

- Design of the solution
- Customization of the solution and its processes to fulfill the operator's specific requirements.
- Implementation and integration
- Final stage of migration from the old solution to the newly implemented solution.

Genband

Project

Enterprise Business Solutions

Client

Genband

Project Location

KSA

Project Description

Giza Systems was awarded the project to install various Enterprise Business Solutions for the benefit of Genband.

Benefits to Client

- Expansion and modernization of STC's Wholesale International Voice Service layer
- Monitoring network performance and identifying technical issues
- Provision of a troubleshooting tool for network engineers through the generation of periodic reports on network performance
- Optimization of resources

Benefits to Client

Managed services, operation and support for STC's IPX network monitoring and management solution. The scope encompassed:

- Hardware and software installation and configuration
- Integration of solution with existing infrastructure
- Stabilization and testing
- Training support services



iconectiv

Project

NPC Upgrade

Client

iconectiv

(Communications and Information Technology Commission)

Project Location

KSA

Project Description

Giza Arabia was awarded the NPC upgrade project for the benefit of Saudi Communications and Information Technology Commission.

Benefits to Client

- Optimization of the value of the network
- Cost efficiency
- Enhanced profitability and operational dexterity

Benefits to Client

Complete upgrade of NPC HW in Saudi Communications and Information Technology Commission. The scope included the following:

- Hardware and application upgrade
- Data centers
- Processing and storage platforms
- Servers
- Printing solutions
- Number Management System (NMS)



Oracle ERP Implementation

Project

Oracle Enterprise Resource Planning (ERP) implementation, training and support

Client

Etihad Etisalat Company (Mobily)

Project Location

KSA

Project Description

Giza Systems was commissioned to implement Oracle e-business suite for Mobily's acquired Bayanat Al-Oula.

Benefits to Client

- Eliminate data duplication
- Optimized data integrity

Scope

Our approach was built on PMI methodology in project management to deliver the following:

- Oracle ERP software licenses:
 - Financial intelligence
 - Inventory management
 - Purchasing
 - Project costing
 - Financial
 - Human resources and payroll
- Implementation, training and support of GL, AP, AR, CM and FA
- Implementation, training and support of logistics modules



STC Integration and Fulfillment Service

Project

Integration and Fulfillment Service Development

Client

Saudi Telecom Company (STC)

Project Location

KSA

Project Description

Giza Arabia was awarded the project of Integration and Fulfillment Service Development.

Benefits to Client

- Offer cost effective solutions and new frameworks
- Provide systems with updates for faster time-to-market of products and services
- Optimize operational efficiency of service development and operation
- Improve performance of concerned systems, and enhance customer experience

Benefits to Client

The scope of the project included:

- Building and enhancing SDLC governance and functional frameworks
- Refactoring of the integration and fulfillment services
- Implementation of network/technology requirements on the integration and fulfillment systems. These requirements were implemented on Enterprise Application Integration (EAI) and mediation and provisioning systems



STC Interconnect Billing Managed Services

Project

Interconnect Billing Managed Services

Client

Saudi Telecom Company (STC)

Project Location

KSA

Project Description

Giza Arabia was awarded the Interconnect Billing Managed Services project for Saudi Telecom Company.

Benefits to Client

- Optimum value of client's network
- Guaranteed cost efficiency
- Strategic and effective partner management
- Accurate billing and settlement
- Enhanced profitability and operational dexterity
- Reduced risks and minimized revenue leakage
- Streamlined validation processes
- Reconciliation of charges and management of partner settlements
- Automation of repetitive tasks and wizards to minimize human errors

Benefits to Client

Design, supply and installation of interconnect billing managed services through a highly comprehensive and integrated platform, including:

- CRM
- Billing and collection



STC LTE Roaming

Project

LTE Roaming Project

Client

Saudi Telecom
Company (STC)

Project Location

KSA

Project Description

Giza Arabia was contacted for the deployment of a Diameter Signaling Router solution in STC's multiple site project.

Benefits to Client

- Reduce cost and complexity of core network
- Enable IP networks to grow
- Support increasing service and traffic demands
- Facilitate network monitoring

Benefits to Client

The scope of work included the supply, design, engineering, installation, training, testing, commissioning, and start-up of all systems involved, as well as providing a centralized vantage point in the signaling network. The deployment of the solution unlocked the following:

- Policy Binding DRA
- HSS Address Resolution in 3GPP networks
- Load sharing
- Congestion control
- Topology hiding



STC Revenue Assurance and Fraud Management

Project

Revenue Assurance and Fraud Management Expansion

Client

Saudi Telecom Company (STC)

Project Location

KSA

Project Description

Giza Arabia was awarded the project to go through with the expansion of existing Revenue Assurance and Fraud Management systems.

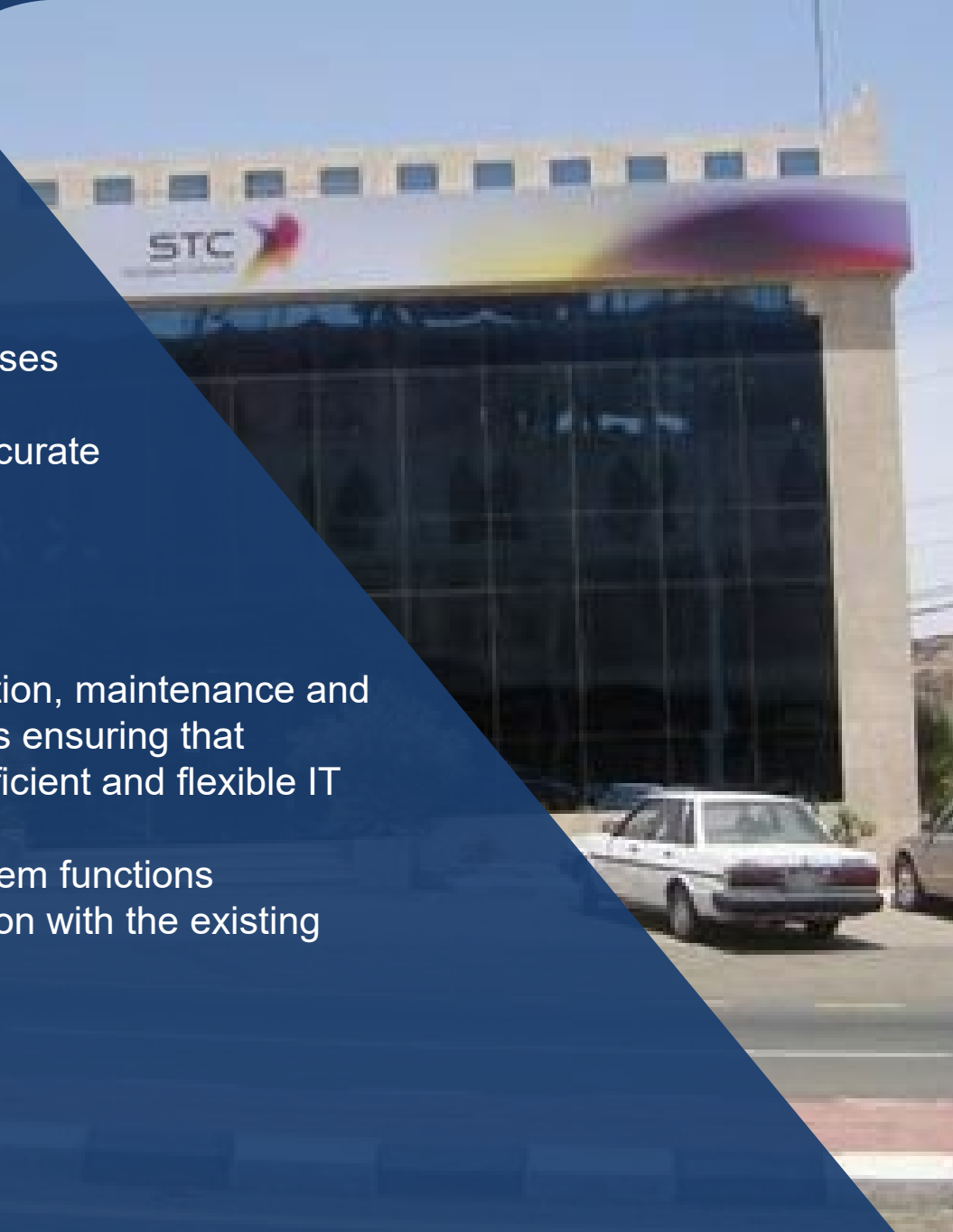
Benefits to Client

- Improve administration systems and processes
- Increase cost savings
- Optimize operational efficiencies for accurate results for informed decision making
- Enhance customer experience

Benefits to Client

The project entailed the management of operation, maintenance and support of STC's internal IT systems, as well as ensuring that processes and procedures were in place for efficient and flexible IT operations. The scope included:

- ✓ The deployment of new administration system functions
- ✓ The complete and comprehensive integration with the existing systems



Fire Alarm and Suppression Systems Integration for STC



Project

Fire Alarm and Suppression Systems Integration

Client

STC

Project Location

KSA

Project Description

Implementation of fire alarm and fire suppression systems for all STC sites

Benefits to Client

- Timely detection of incidents
- Ensure the safety of people and assets
- Limit asset damage and injury
- Optimization of operations
- Reduction of costs

Scope

Implementation of fire alarm and fire suppression systems for all STC sites including STC's headquarters, exchange and sales offices, data centers and administrative buildings nation-wide.



West, East & Central Africa

Raxio Data Center Project

Project

Raxio Data Center Project

Client

Raxio

Project Location

Uganda

Project Description

Giza Systems and United Advanced Building Systems were awarded the massive Raxio Data Centre project in Uganda. The Raxio Data Centre (400 rack - 1400 KW) is being developed to Tier III standards and will be the first truly carrier-neutral co-location facility of its standard.

Benefits to Client

- Increased level of uptime
- Enhanced reliability
- Increased productivity and cost-effectiveness
- Protection of data from unauthorized or unethical activities
- Multiple power paths to ensure sensitive components are supplied with dual power sources

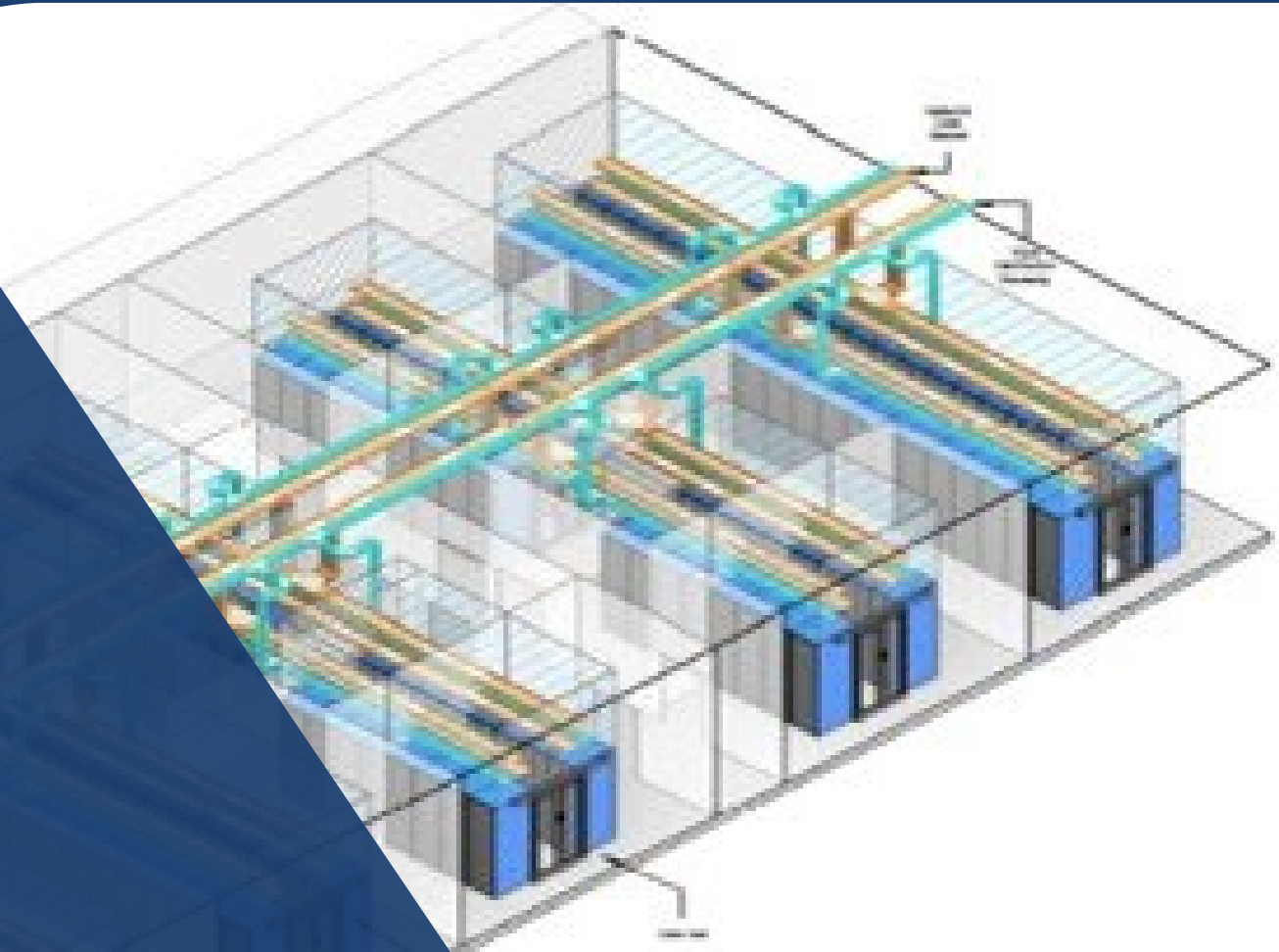
Scope

Services

Design, supply, installation, testing and commissioning of all electrical and mechanical works

Solutions

- HVAC system (IACs, AHUs, CRACs, split units, VRF system)
- Fire Suppression System (IG55)
- Electrical System (HV switchgear, LV switchgear, UPSs, transformers, generators, lighting, etc.)
- Low Current Systems (CCTV, Access Control, Fire Alarm & BMS)



Safaricom Data Center Infrastructure Management (DCIM) System



Project

Provision of Data Center Infrastructure Management (DCIM) System

Client

Safaricom Kenya LTD.

Project Location

Kenya

Project Description

Giza Systems Kenya was awarded the project to implement Data Center Infrastructure Management (DCIM) System for Safaricom

Benefits to Client

- Unified management platform
- Real-time monitoring, control and data analysis
- Single source for asset management
- Higher predictability
- Optimized production infrastructure
- Energy & IT efficiency
- Insights on health of systems & future trending capabilities
- Visual 3D interface for quick decision making

Scope

The project scope includes implementation and support of the monitoring services, covering the data center, cooling, UPS systems and more.



Safaricom Remote Site Monitoring / BTS Project



Project

Remote Site Monitoring /
BTS Project

Client

Safaricom

Project Location

Kenya

Project Description

Giza Systems was awarded the project to implement the remote site monitoring system to cover **177** stations in 3 regions.

Benefits to Client

- Securing and safeguarding assets of client against theft and vandalism
- Enhancing state-of-the-art security at 177 Base Transceiver Stations (BTS) in 3 regions
- Ensuring remote site monitoring in real time
- Facilitating enhanced risk management measures
- Achieving substantial annual cost reductions
- Improving customer experience through the elimination of unwanted delays and interferences in telecommunications

Scope

Supply, installation and commissioning of integrated security solutions. The implementation encompasses the following:

- CCTV surveillance system
- Access control system
- Configuration of different intrusion detectors
- Integration and interfacing of krone box with security systems



Ethio Telecom

Project

Performance
Management Solution

Client

Ethio Telecom

Project Location

Ethiopia

Project Description

Giza Systems was contracted to install the performance management solution for the project.

Benefits to Client

- Network performance monitoring and technical issue identification
- Provision of a troubleshooting tool for network engineers through the generation of periodic reports on network performance
- Efficiency support and optimization of resources

Scope

Design, planning, and setup of the performance monitoring solution. Covering both mobile and fixed line switches, the scope encompassed:

- Hardware and software installation and configuration
- Integration of solution with existing infrastructure
- Stabilization
- Testing
- Training support services



Number Management System

Project
Number
Management
System

Client
Communications
Authority in Kenya

Project Location
Kenya

Project Description
Giza Systems was awarded the project to deliver a Number Management System (NMS) for the Communications Authority of Kenya.

Benefits to Client

- Cost reduction in managing number inventory after the automation
- Time saving during assignment process, thanks to NMS automated workflow
- Integration with other regulator systems such as Number Portability System
- Centralized inventory for number resources to avoid conflict due to manual assignment
- Real-time reporting on entire number plan
- Efficient planning of future consumption with consolidated utilization and forecasted data
- Easy supervision of numbers allocated to secondary assignees
- Real-time updates with NMS notification and alerts



Number Management System... Cont'd

Project

Number Management System

Client

Communications Authority in Kenya

Project Location

Kenya

Project Description

Giza Systems was awarded the project to deliver a Number Management System (NMS) for the Communications Authority of Kenya.

Scope

- The launch, implementation, and completion of the new in-house Number Orchestration Suite
- The deployment of the first module to assign and administer numbering for the provision of communications and value-added services

The installation of NMS solution included the following:

- Web-based software for automating numbering resource assignments
- Database for tracking, storing, and archiving numbering resource request applications and resource allocations



Safaricom Automatic Security Bollard System

Project

Safaricom Automatic Security Bollard System

Client

Safaricom Limited

Project Location

Kenya

Project Description

First installation of the Automatic Security Bollard System at Safaricom Limited headquarters.

Benefits to Client

- Enhance measures of control
- Reduce chances of human error
- Improve traffic flow and vehicular management
- Provide higher safety and cost-cutting measures

Scope

Project scope included:

- Installation of Automatic Security Bollard Systems used by property operators to avoid ramming accidents and keep storefronts and building entrances safe
- Installation of automatic retractable barriers used to control vehicle access to high security establishments or to control high traffic areas
- High level of installation work for bollards synchronization
- Cylinder balancing
- System testing to meet ASTM standards



Safaricom Headquarters



Project

Integrated smart building solutions

Client

Safaricom

Project Location

Nairobi, Kenya

Project Description

Giza Systems was awarded the project to implement various smart building solutions, including Life Safety System, Security System, and Access Control Systems.

Benefits to Client

- Enhancement of reliability and comfort
- Saving time and money

Scope

- Fire alarm system
- IP camera surveillance system
- Access control system
- Gate security system
- Building Management System (BMS)

TTCL Tanzania

Project

Launch of Equipment Identity Register (EIR) Solution

Client

Tanzania
Telecommunications
Company Ltd.

Project Location

Tanzania

Project Description

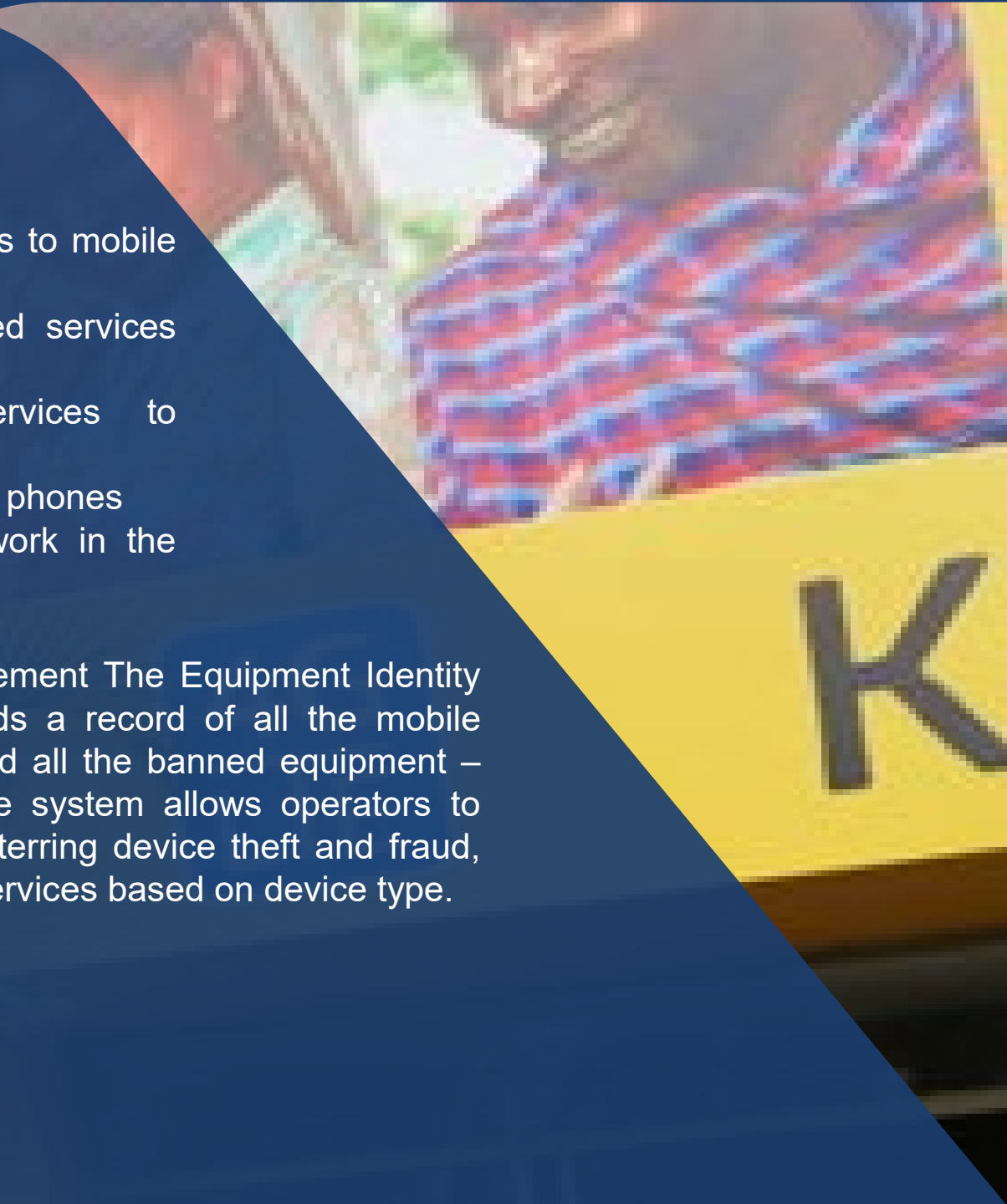
The launch entailed the implementation of the Equipment Identity Register (EIR) solution for Tanzania Telecommunications Company.

Benefits to Client

- Allowing operators to control access to mobile networks
- Enabling the provision of optimized services based on device type
- Offering additional security services to subscribers against theft and fraud
- Protection of integrity and identity of phones
- Blocking of phone access to network in the event of theft

Scope

Giza Systems was contracted to implement The Equipment Identity Register (EIR), a database that holds a record of all the mobile stations (MS) allowed in a network and all the banned equipment – due to loss or theft for example. The system allows operators to control access to mobile networks, deterring device theft and fraud, and enable provisioning of optimized services based on device type.



Safaricom – Vodafone Kenya Firefighting System



Project

Safaricom – Vodafone
Kenya Firefighting
System Installation

Client

Safaricom – Vodafone
Kenya

Project Location

Kenya

Project Description

Giza Systems Kenya
was awarded the project
to install firefighting
system for Safaricom –
Vodafone Kenya.

Benefits to Client

- Ensure the safety of people and assets
- Limit asset damage and injury
- Optimization of operations
- Reduction of costs

Scope

The scope comprised the supply, testing, commissioning and startup of firefighting system for Safaricom – Vodafone Kenya.



East Africa Data Centre (EADC) Project

Project

East Africa Data Centre
(EADC) Project

Client

Liquid Telecom

Project Location

Kenya

Project Description

Giza Systems Kenya was awarded the project to provide building management systems (BMS), fire detection, fire suppression and firefighting systems for the East Africa Data Centre (EADC) with no downtime

Benefits to Client

- Ensure the safety of people and assets
- Allow for timely detection
- Limit asset damage and injury
- Higher responsiveness and effective incident management
- Optimization and streamlining of operations
- Reduction of costs

Scope

Services:

- Installation, programming and testing of the systems
- Integration between old and new fire panels to unify the data at the control room

Solutions:

- Fire detection system
- Fire suppression system
- Firefighting system
- Building Management System (BMS)

Security System, and Access Control Systems Safaricom

Project

Integrated Smart Building Solutions

Client

Safaricom

Project Location

Kenya

Project Description

Giza Systems was awarded the project to implement various smart building solutions, including Life safety system, security system, and access control systems.

Benefits to Client

- Enhancement of reliability and comfort
- Optimized safety and security
- Time and cost savings

Scope

- Fire Alarm System
- IP Camera Surveillance System
- Access Control System
- Gate Security System
- Building Management System (BMS)

ACCESS CONTROL

Gulf

Qtel Network Inventory

Project

Network Inventory
Solution

Client

Qatar Telecom

Project Location

Qatar

Project Description

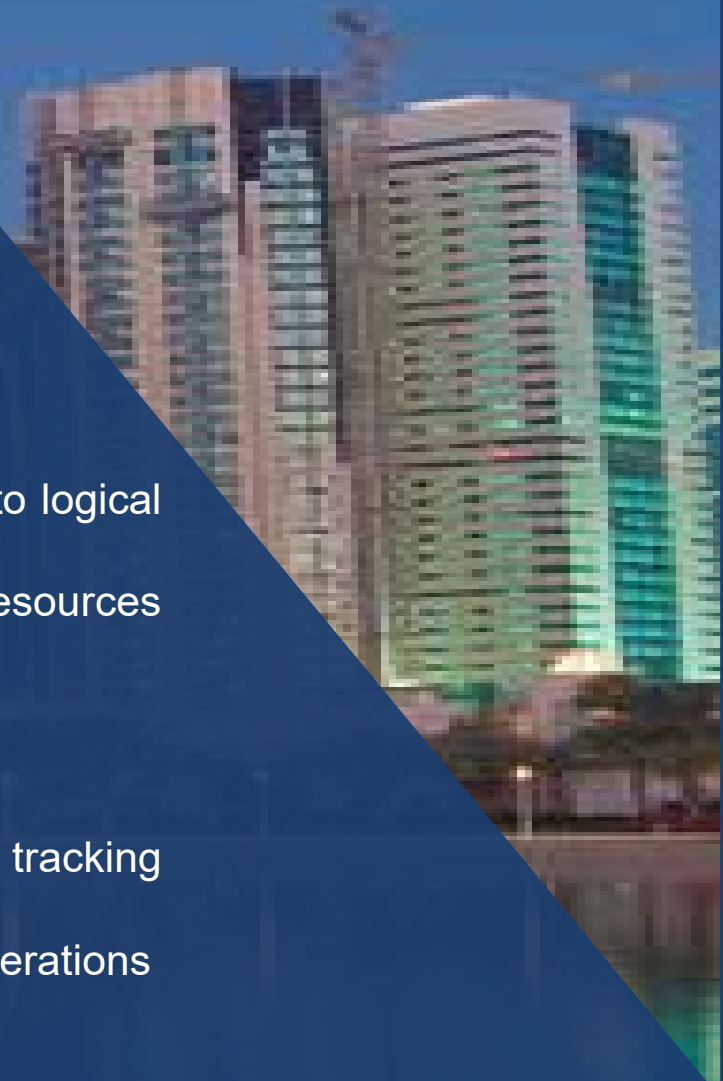
Giza Systems was contracted to install a set of applications that consolidates and synchronizes the physical and logical views of the telecom provider and offers complete asset management cycle

Benefits to Client

- Enjoy faster and more efficient operations
- Fully employ all resources and assets
- Streamline operational costs
- Allow for exceptional data accuracy
- Boost availability and quality, and optimize the network growing investments

Scope

- Physical network inventory upgrade
- Logical network inventory implementation
- Pushing the physical data from physical network inventory to logical network inventory
- Automating the assignment of logical network inventory resources for access networks
- Network data acquisition
- Fixed asset tagging and fixed asset management
- Common language implementation
- Oracle fixed asset re-implementation and assets tracking implementation (OAT/EIB)
- Processes, integration, training, and post-implementation operations



Asset Performance Monitoring – Etisalat UAE

Project

Asset Management and Tracking App

Client

Etisalat UAE

Project Location

UAE

Project Description

Giza Systems was awarded the project to develop an asset management and tracking app for Etisalat UAE.

Benefits to Client

- Track assets location
- Track assets utilization
- Alerts of misuse
- Analysis and comparison reports

Scope

- Design and development of an asset management and tracking app for Etisalat UAE

Thank You!

Giza Systems, a leading digital transformation enabler and 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 and other market sectors. Giza Systems helps its clients streamline their operations and businesses through their portfolio of solutions, managed services, and consultancy practice. Giza Systems' team of 2400+ professionals are spread throughout the region with anchor offices in Cairo, Riyadh, Dubai, Doha, Nairobi, Dar es Salaam, Kampala and New Jersey, allowing the Company to service an ever-increasing client base in over 40 countries. For more information, please visit <http://www.gizasystems.com>.