KARIBA
SYSTEMS

KARIBA
SYSTEMS

A COMPANY YOU CAN TRUST

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The Company
Kariba Systems

Information technology and communications systems and networks have become an indispensible part of our everyday life. Businesses are more and more moving towards deploying advanced ICT systems to manage their business processes, protect their assets, and increase the productivity of their employees. This is why investment on new technology provides a high ROI.

As an international IT and Communication system integrator and solution provider, KARIBA SYSTEMS accumulates in its staff years of experience in design, development and implementation of simple to complicated turnkey ICT solutions, with a record of successful projects throughout the world.

Our services are designed to meet both the immediate and long-term needs of our clients in Oil & Gas, Construction, Mining, Banking, Transportation, Utilities, Education and Healthcare sectors as well as government agencies. We design turnkey solutions that reflect our customers› business model and information needs.

By using our extensive experience, deep knowledge, leading-edge technology, and committed round-the-clock support system, we will provide you with a high Return on Investment in your ICT projects.

VSAT & BROADBAND

KARIBA SYSTEMS offers a variety of VSAT (Very Small Aperture Terminals) solutions to meet your broadband communication needs, including fax, voice, video and high-speed internet.

Regardless of where you are and how much your local communication infrastructure is developed, broadband telecommunication technology enables you to communicate with any other location on the globe.

Our engineers are helping businesses and organizations successfully accomplish their goals and missions with field-tested, professional VSAT technology. KARIBA's broadband solutions include network design, system integration and full time support in remote regions. We offer fixed and mobile terminals with global or regional coverage for a variety of applications. Turnkey solutions for industry-specific applications are developed in cooperation with our clients for maximum usability and efficiency.

Fixed

KARIBA offers Fixed VSAT turnkey solutions with dish sizes ranging from 0.98 m to 5.8 m and bandwidths of up to 100 Mbps. We offer both dedicated and shared services to corporate and governmental clients. Our dedicated VSAT services feature:
- Link availability of 99.5 to 99.9% 365x24x7 monitored by our NOC
- Prominent global service providers
- High performance equipment
- On-site installation, maintenance and support

Mobile

KARIBA›s Mobile Office and Broadband on the Go solutions are designed for professionals that are on the move and need constant connectivity regardless of the communication infrastructure in their locality. Based on BGAN systems, these solutions offer automatic alignment, rugged hardware, easy setup, and global coverage to meet the most demanding requirements in any environment. Flyaway Terminal is another mobile solution offered by KARIBA designed for professionals that demand mobile satellite communication without the need for on-the-move connectivity and global coverage. Mounted on a vehicle or set up on any firm ground, Flyaway Terminals are available on Ka, Ku or C-bands with KARIBA›s standard service plans.
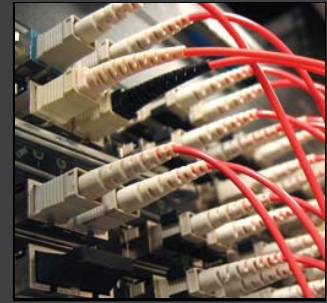
COMMUNICATE

Solutions

NETWORK INFRASTRUCTURE

An IT infrastructure is the key to smooth functioning of businesses of any size, and networking forms the backbone of this infrastructure. KARIBA designs, implements and maintains advanced information networks that provide high speed and secure means of data exchange and internal communications for enterprises. We design solutions that are based on network appliances from Cisco, Aruba and other industry leaders, and server systems from Dell, HP and IBM. Our systems enable businesses to streamline their processes and manage and expand their operation efficiently and with less cost.

Fiber Optics
KARIBA has been involved in designing and performing large scale fiber optic networks since its early days of activity. KARIBA has been also providing internet services over fiber to major cities, camps and housing complexes in different parts of the world. Full duplex service, over 99% availability, various backup paths with automatic switchover, and a solid security system for protecting your data and communication are some of the features of our Internet over Fiber.

Servers
Network servers form the heart of the workflow in any modern institution. KARIBA develops systems that utilize servers from Dell, Cisco, HP and IBM. Our system solutions include system design, supply and installation, configuration, optimization, maintenance, upgrading, and scale planning. We design corporate server rooms and data centers, both standalone and as part of a complete turnkey enterprise IT infrastructure.

Security
Well planned and implemented Network Security measures protect the usability, reliability, integrity, and safety of your network and data, and prevent disruptions in your business, which helps keep employees productive. KARIBA designs and implements advanced Network Security measures that include Antivirus and Antispyware software or hardware, Firewall, Intrusion Prevention Systems (IPS), and Virtual Private Networks (VPNs).

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WIRELESS & RADIO

KARIBA's Wireless and Radio solutions embrace a broad range of application areas including short and medium range communication, campus-wide wireless coverage, and indoor BYOD services.

Wi-Fi & Wi-Max

Many private and public organizations are looking into higher mobility as a means of increasing their productivity. Wi-Fi enabled computing and communication equipment have become commonplace, hence presenting a great potential for higher mobility of the workforce. On the other hand, compared to Wired LAN in medium to large networks, Wireless LAN (WLAN) is a reliable, low cost option for delivering pervasive connectivity. Many enterprises that have deployed WLAN have found it to be a highly secure, scalable and reliable enhancement to their wired network, allowing for a fresh approach that replaces wired ports.
KARIBA designs and implements custom wireless LANs for buildings and campuses that meet the specific needs of our customers. Our Wireless LAN systems help you to cost-effectively support mobile access to business-critical applications, real-time mobile collaboration, and the development of new business models based on mobility solutions.
KARIBA has installed systems in large hospitals, university campuses, housing complexes, and governmental buildings that require low maintenance and provide high availability, ease of management and scalability to our customers. We can work with your team to determine the best combination of coverage and capacity to ensure the highest performance for your applications.

Radio

Instant communications, exchange of critical information and security monitoring are vital tools in many large industries. Radio Communications are universally recognized as the most efficient and cost-effective solution to meet these needs and ensure smooth day-to-day administrative and operational procedures. KARIBA's experts can help you identify and source the most effective technology for your business, and support you as you integrate this into your operation. We have supplied Codan, Motorola, Icom and Kenwood radio equipment to government agencies and private companies in construction, security, oil & gas and transportation sectors.

MICROWAVE

KARIBA's Microwave solutions embrace a broad range of application areas including short, medium and long range terrestrial communication, using state of the art microwave communication equipment.

Terrestrial Links

Terrestrial Microwave links forms the telecommunication backbone in locations where fiber optic cabling is absent. In addition, many large companies in oil and gas, mining, telecommunication, and others that operate sites in remote areas rely on microwave links for their day-to-day communications. Using equipment from major industry leaders such as Motorola, Harris, NEC and Redline, KARIBA designs and implements microwave communication networks of various scales. We have implemented nationwide networks, as well as private networks connecting as few as three sites. Our technical support teams provide on-ground service wherever we install a system, assuring the continuity of your telecommunication links.
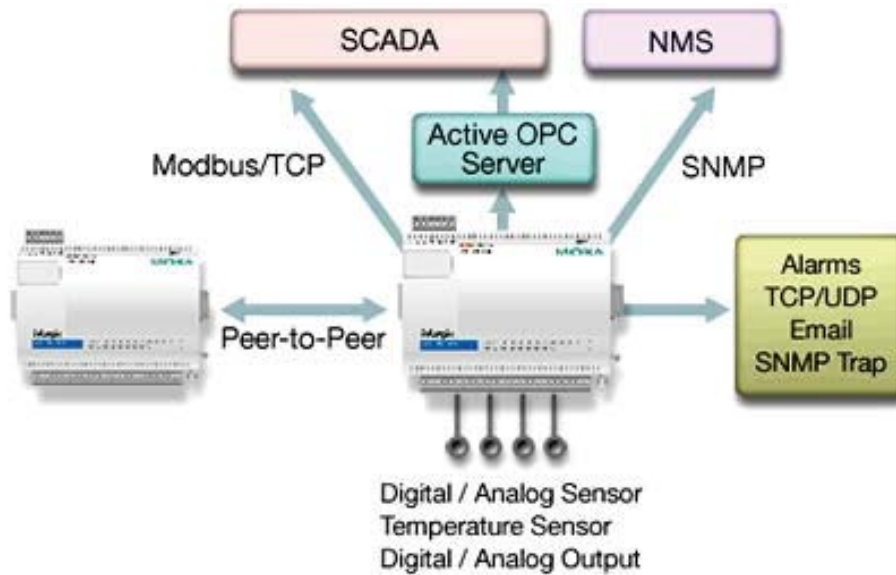
REACH OUT

SCADA & M2M

KARIBA offers a full range of communication services for remotely controlling critical industrial devices. Our solutions include both traditional wireless-based SCADA systems, and systems utilizing global satellite constellations such as Inmarsat for communication. KARIBA's offering will also enable you to utilize satellite communication versatility in your current SCADA systems with lower operation and maintenance costs while enabling you to control remote devices with the highest data and operational efficiency. Our SCADA solutions utilize devices and components from Motorola, Siemens, Emerson, Skyway and other international vendors.

CONTROL

SOLUTIONS
CONTINUED

TRACKING

The best way to maximize safety and efficiency for demanding missions is with a complete system that helps you actively manage your fleet. When your employees are working and traveling in the most remote and harsh environments, or you need to know where your assets are and ensure that your drivers are safe. KARIBA is a single-source Tracking Solutions provider for tracking and managing assets using Inmarsat and Iridium technologies. Its systems use the established mobile system in each country and where there are no GSM connections, we use systems that are connected directly to the satellite (VSAT) for reliable fail-safe solutions.

Our solutions allow fleet managers to monitor and protect their assets, therefore improving efficiencies and reducing costs. Some of our Tracking Solutions functions are:

- Asset and sensor monitoring and control
- Text messaging
- Vehicle & driver performance
- Cargo monitoring
- Vehicle telemetry
- Fleet management
- Remote worker safety
- Field data collection
- SCADA extension
- Field force automation

VOICE & VIDEO CONFERENCING

KARIBA provides broadband Voice over IP and Video Conferencing technologies, with access to a variety of services worldwide that enable you to connect audio and video over wired and wireless IP networks, securely and reliably.

VoIP

The demand for affordable, feature-rich IP phone systems continues to rise as businesses look to streamline communications, improve collaboration, and support mobility.
KARIBA meets this need by providing cost-effective Voice over IP services that deliver collaboration and mobility features that traditional phone services cannot match.
VoIP and Voice Conferencing services from KARIBA give your business a single, easy-to-manage VoIP and data bundle that integrates all of your voice and data communications and provides the ultimate in reliability, scalability and reach.
KARIBA also provides full scale IPBX solutions that can be interconnted for different locations to allow our customers with more than one site, to be able to communicate easily and seamlessly.

Video Conferencing

KARIBA has long been providing Video Conferencing systems to its clients in public and private organizations.
For many years, governmental organizations and large enterprises with tens of offices and operation sites around the world have been able to streamline their operation and decision making process by deploying the latest technology in live group voice and video communication. Today this technology is available to businesses of all sizes and institutions in various sectors, promising to increase the speed of their decision making process and information sharing and distribution.
KARIBA designs custom solutions around systems from industry leaders such as Cisco and Polycom. We provide training and support to our clients, enabling them to utilize this technology to the fullest for many years to come.

SMA-TV

KARIBA has been providing Satellite Multi-Access TV to clients in the hospitality, healthcare and education sectors in many countries. We design our turnkey solutions based on your requirements making full use of your current system and equipment. Our systems are able to utilize your existing LAN network to distribute TV Channels, therefore lowering your cost when expanding the SMA-TV network.

IPTV

While traditional video solutions relied on proprietary, analog-based platforms, today's modern network video solutions are IP-based and increasingly integrated with the information technology infrastructure of the enterprise. This makes the evolution to next generation network video solutions a complex undertaking, requiring a highly trained staff, extensive network experience, and a comprehensive knowledge of current and emerging technologies. KARIBA provides this knowledge and technology through its experienced engineers who work with the client, be it a hospital, educational center, hospitality organization, or any other enterprise, to provide reliable and practical IPTV solutions to our clients.

SEE & HEAR

SECURITY

KARIBA designs and installs complete physical Security solutions aimed at providing maximum protection for your personnel and property in all facets of the industry, including CCTV systems as well as Access Control systems.

CCTV

Facility and building security monitoring systems are not complete without a versatile, well-designed Closed Circuit Television (CCTV) system. KARIBA engineers have custom designed and installed many CCTV systems for government buildings, banks, construction sites, secure areas and other important facilities in various countries. Depending on the needs of our client, we utilize dome, hi-power zoom, infra-red, explosion proof and other types of cameras from industry leaders such as Bosch, Panasonic and Pelco. Fully equipped control center with special monitors and communication equipment are part of our turnkey CCTV system solutions.

Access Control

KARIBA designs and implements various Access Control systems based on solutions from multiple vendors. Our turnkey Access Control Solution comprises three elements: personnel identification devices such as biometric and ID card scanners; burglar alarm systems to control building doors and other entrances in off hours, and turnstiles for main entrance and human traffic control.

Security Scanners

KARIBA designs and implements various scanning devices for governmental and high security buildings, for cargo checkup of trucks, for border control systems, and other security related needs. KARIBA works with the world's leading edge security device (scanner) manufacturers to provide its clients with reliable and fail-safe solutions.

SECURE IT

SOLUTIONS
CONTINUED

SAFETY

KARIBA designs and installs complete Safety solutions aimed at providing maximum safety control for your personnel and property.

Fire Alarm

One of the components of Building Automation System (BAS) is fire alarm devices. Like other BAS components, fire alarm systems need careful design based on the building architecture, location of sensitive (flammable, chemical, high value, etc.) material and equipment in the facility, and the size and number of buildings in a facility. KARIBA provides fire alarm systems of various sizes for different uses. Systems for steel mills, oil refineries, factories and large warehouses utilize industrial grade devices, while smaller facilities use more cost-effective systems. In all these cases, KARIBA provides you with high-grade devices that are guaranteed to provide many years of dependable service in protecting your personnel and property.

Public Announcement Systems (PA / PAGA)

Whether implemented inside buildings or outdoors, Public Announcement systems have been the traditional method of calling people in organizations or large areas. These systems are also used as a means of public alert in case of emergencies. Many government agencies utilize these systems, either in a fixed setup or installed on vehicles, for their operations. KARIBA provides PA systems to government and private institutions. Our systems are tailored for the specific needs of our clients, with staff training and KARIBA's unmatched after sale support.

OIL & GAS

Large enterprises with operations in geographically remote locations need high speed exchanging of large volumes of data among different offices and facilities. For this reason, Oil and Gas companies have always looked for the latest information and communication technologies. Properly designed and implemented, ICT enables these companies to streamline their processes, enhance their workflows, and as a result save time and money at all levels of their organization, which converts to high ROI. KARIBA provides turnkey, tailored solutions and services to Oil & Gas companies. We start with a thorough study of the site plans and follow up with a site visit. The data collected and analyzed is forwarded to our partners by our engineers for development of a solution. Eventually, we present our solution to the client in person and discuss the details.

After our proposal is accepted, we start the implementation process on the basis of a detailed time schedule. After training and hand over, we develop a maintenance plan and follow up by regular inspections.

SCADA

SCADA systems for data collection from sensors and controllers in the field, in a refinery or an offshore platform for remote supervision and control purposes has been utilized in almost every facility in the Oil and Gas industry and its value is well appreciated. SCADA and M2M devices collect field operation data by high accurate transducers, and then send the data to the control center through a communication means that include:

- Normal routers (cabled),
- Wireless systems
- VSAT communication (such as BGAN).

KARIBA offers the latest technology in SCADA systems from prominent vendors such as Motorola, Emerson and Siemens. Teaming with our partners, we provide complete service and a turnkey solution. Our SCADA systems provide for:

- Low power consumption
- Compact size
- Versatile communication options
- Diverse connectivity
- Mission critical & ruggedized systems

Fleet Management

KARIBA's tracking, control and communication solutions for the oil & gas industry enables them to manage every aspect of the fleet and individual vehicles to prevent unauthorized or excessive use, protect their cargo from theft, and provide safety to their crews.

Some of the functionalities of our Solutions are:

- Asset and sensor monitoring and control
- Text Messaging
- Vehicle & Driver performance

- Cargo Monitoring
- Vehicle Telemetry
- Fleet Management
- Remote worker safety
- Field data collection
- SCADA extension
- Field force automation

General Solutions

KARIBA presents custom designed ICT solutions and services to oil and gas companies. Site survey, requirements analysis, design, procurement, implementation, testing and commissioning, training and maintenance, and upgrading recommendations form a complete end-to-end process that we go through for every customer. Below is a brief description of what we have to offer to our customers in the oil and gas industry.

Infrastructure
- Broadband (VSAT) networks
- Wireless Networks
- Wired Networks
- Network Security
- Data Center
- Information Systems

Communication
- Mobile VSAT Solutions
- IPBX and VoIP
- Videoconferencing
- Radio Communication
- Terrestrial Microwave Link

Safety & Security
- Closed Circuit Television (CCTV)
- Access Control
- Fire Alarm Systems
- Public Announcement & PAGA

Business Management
- Employee Attendance Tracking
- Inventory Management

CONSTRUCTION

Every construction company can benefit from the possibilities that Satellite Communication creates for enhanced control and monitoring of assets and employees towards greater productivity and ROI. KARIBA's Solutions for Construction Companies are formed around the latest wireless and satellite communication technologies and include Fleet Management, Remote Cargo Security, Radio Communication, KARIBA's Broadband on the Go and Mobile Office, and radio communication networks. In addition, we supply and install Technical and Project Management software, and help accelerate the design stage by providing 3D photorealistic architectural visualization.

Fleet Management

KARIBA offers construction companies turnkey tracking, control and communication systems. Our solutions enable the complete control and management of every individual vehicle and machinery in the fleet to prevent unauthorized or excessive use, protect cargo from theft, and provide safety to the crew.

Workforce Management

KARIBA offers construction companies solutions for workforce location tracking. Site and project managers can see the location of every employee on the site and communicate with them on the fly. This is another way to speed up the processes on the job site and increase safety of personnel by watching for people getting close to hazardous areas.

On-site Communication

Two-way radio communication equipment has traditionally been used by personnel in a construction site as the most versatile means of communication. KARIBA supplies radio equipment from Motorola, Codan and iCom specially designed to be used in harsh environment such as a construction site.

3D Visualization

KARIBA 3D Visualization services adds value to every construction project by enabling the stakeholders to quickly and most realistically see the future, walk through the

BUILD

INDUSTRIES

CONTINUED

structure and facility, and make modifications in the conceptual design stage and before the full design documents are produced.

Technical Software

KARIBA is a provider of licensed technical software for construction industry from original vendors. We supply Autodesk collection of engineering software, including the AutoCad Suite (Architecture, Structural, MEP) and Revite from Autodesk, Microstation, Procon, STAAD Pro and Tekla.

General Solutions

KARIBA presents custom designed ICT solutions and services to constrution companies. Site survey, requirements analysis, design, procurement, implementation, testing and commissioning, training and maintenance, and upgrading recommendations form a complete end-to-end process that we go through for every customer. Below is a brief description of what we have to offer to our customers in the construction industry.

Infrastructure
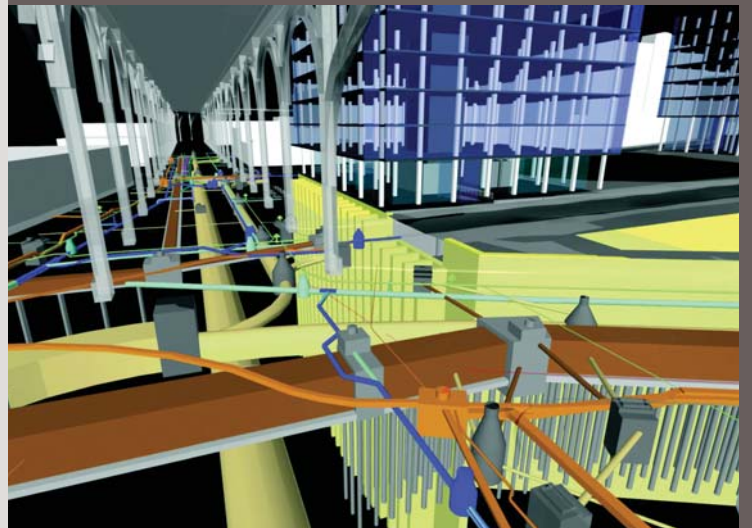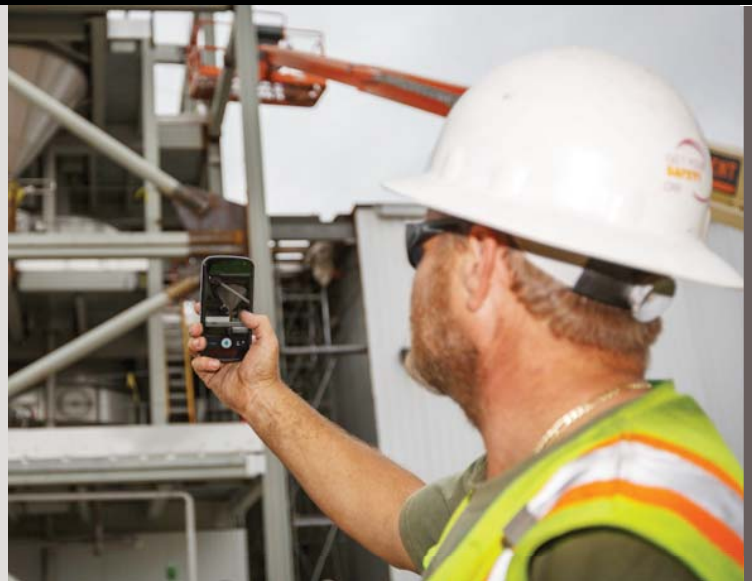- Broadband (VSAT) networks
- Wireless Networks
- Wired Networks
- Network Security
- Data Center

Communication
- Mobile VSAT Solutions
- IPBX and VoIP
- Videoconferencing
- Radio Communication

Safety & Security
- Closed Circuit Television (CCTV)
- Access Control
- Fire Alarm Systems
- Public Announcement & PAGA

MINING

Mining companies have found great value in ICT investment, from communicating with the most remote regions in the world, to monitoring and control of assets and various aspects of the operation in any particular location. Higher productivity, safety of personnel, protection and maintenance of equipment and assets, and lowering cost across the board are possible by employing new technologies.

KARIBA offers mining companies proven solutions to enable them to run their operations safer and more efficient. Tracking heavy equipment and mining machinery, monitoring sensors on remote installations, managing water in water in mining, monitoring weather stations, controlling dust, and many other tasks that are essential in efficient management of a mining operation are all possible with KARIBA solutions at low cost and high productivity.

SCADA & M-2-M Communication

Remote monitoring sensors and controlling fixed assets that are located in the outskirts of mining operations by satellite link helps to increase operational efficiency in the mine by minimizing human intervention. An immediate advantage of utilizing this technology is reduction in the number of visits to the site, and real-time information retrieval from the sensors from anywhere that can connect to the internet.

KARIBA's SCADA and M2M devices collect field operation data by high accurate transducers, and then send the data to the control center by means of a combination of communication systems that include:
   • Normal routers
   • Wireless networks
   • VSAT communication
   • Terrestrial microwave link

KARIBA's SCADA and M-2-M communication over satellite help by:
   • Transmitting data from remote weather stations to forecast conditions of all-weather road and slope stability
   • Measuring and control dust levels to minimize hazards to moving equipment, ensure health and safety of personnel and reduce dust suppression costs
   • Improving data quality and availability
   • Monitoring and controlling dewatering pumps and flood control systems, and water quality sensors to gauge pollutant levels remotely.
   • Increasing operational efficiency and automating processes

Fleet Management

Mining sites operate a variety of mobile equipment such as trucks, excavators, loaders, dozers and graders. Keeping track of the locations and monitoring the functional status of this equipment is a challenging job. KARIBA fleet management solution help mining companies to protect their assets, maximize productivity and ROI by:
   • Tracking equipment location, usage and work hours
   • Using sensors to monitor equipment health and schedule proactive maintenance

• Reducing mechanical failures and security threats

Our systems automate the monitoring of health and operation of equipment by gathering and transmitting data about equipment functioning status and early warnings of developing problems before a catastrophic failure occurs.

Worker Safety Monitoring

In the mining industry, accidents can be terrible devastating effects. Human loss and environmental damages cause serious moral and societal concerns. New safety preparation, planning and management technologies make it possible to enhance safety programs and improve the likelihood of fewer and less costly incidents.

KARIBA solutions give you the tools you need to implement innovations that can have a dramatic impact on the safety of your operations. Our CCTV surveillance systems help safety managers in mines to watch critical locations and hazardous areas and detect unsafe activities and unauthorized presence to prevent accidents.

Another advance technology offered by KARIBA for safety of miners is real-time identification-enabled tags to locate people within reasonable proximity of their locations, both inside and outside of an operation and surrounding areas in order to prevent and respond to accidents. In case of accidents, knowing the location of personnel reduces the need for rescuers to sweep areas for unaccounted-for employees.

General Solutions

KARIBA presents custom designed ICT solutions and services to mining companies that enable efficient running of their business processes at the company headquarters and field offices. We evaluate your needs at any of your locations and design specific solution from our large collection of technologies. Below are our general ICT offerings to mining companies:

Infrastructure
- Broadband (VSAT) networks
- Wireless Networks
- Wired Networks

Communication
- Mobile VSAT Solutions
- IPBX and VoIP
- Videoconferencing

- Radio Communication
- Terrestrial Microwave Link

Safety & Security
- Closed Circuit Television (CCTV)
- Access Control
- Fire Alarm Systems
- Public Announcement & PAGA

TRANSPORTATION

KARIBA develops turnkey solutions for clients in the transportation sector encompassing fleet management, communication and business process management, as well as facility security and management. With the advent of GPS location information and satellite communication technology, transportation companies were among the first to realize the potential of these technologies in increasing productivity, efficiency and asset protection. Our solutions make full utilization of the new communication and tracking technologies to give you full control and visibility over your fleet.

Fleet Management

KARIBA offers transportation companies advanced, easy to implement and use tracking, control and communication systems. Our solutions enable these companies to communication with each truck driver, pinpoint its location, and give necessary guidance and directions for minimizing time of delivery and maximizing profit. Some of the functionalities of our Solutions are:

- Asset and sensor monitoring and control
- Text Messaging
- Vehicle & Driver performance
- Cargo Monitoring
- Vehicle Telemetry
- Fleet Management
- Driver safety
- Vehicle data collection

Communication

The traditional communication system in transportation companies has been VHF or HF radios. KARIBA carries a complete line of radio communication equipment for vehicles and the operator at the control center.

General Solutions

KARIBA presents custom designed ICT solutions and services to help transportation companies run their business smoothly and securely. From internal communication and data rooms, to inventory management and mobile computing, to facility security systems, and public announcement for company parking lots, KARIBA can help you achieve your business goals with a high ROI.

MOVE

Industries

CONTINUED

BANKING

KARIBA's solutions for banks are tailored to provide the latest information and communication technology on par with the industry's changing environment. Our professionally designed and implemented information systems and connectivity services enable financial institutions to provide their customers with the highest levels of service. KARIBA's solutions include high-quality VSAT networks, Remote ATMs, wired and wireless secure network, inter and intra-bank voice and video exchange, physical security systems, data center, and on top of all this our renowned 24/7 support.

VSAT Network

KARIBA's VSAT Banking Solutions is specially tailored for banks to provide a robust and safe private network between the main office and the remote branches. The features include:

- Private Network between HQ and all branches by using professional VPN systems for security between all points
- Connection to the Internet with ability to control access
- 100% allocated, unchallenged bandwidths
- Access to 6 satellites with strong coverage over Africa / ME
- Link availability of 99.5 - 99.9%
- Continuous 365x24x7 monitoring by KARIBA helpdesk
- On-site installation and maintenance

Remote ATM (R-ATM)

Automatic Teller Machines (ATM) are efficient means of transaction for both banks and the customers. In remote areas where there is a lack of communication infrastructure, banks are not able to use ATM in locations away from their branches. To solve this problem, KARIBA has developed a solution to connect remotely situated ATM systems to the main branch by means of reliable VSAT links. Our R-ATM solution combines ATM with VSAT systems allowing the banks to:

- Fully monitor the ATM and retrieve reports and audits
- Remotely check the status of the ATM and cash levels as well managing user settings and access
- Update of the ATM software from the main headquarters

KARIBA can connect existing ATM machines to VSATs or procure and provide a turnkey R-ATM system for the bank. We can also install R-ATMs on vans equipped with a mobile VSAT system

HELATHCARE

Healthcare organizations today face a myriad of issues and problems on the way to realizing their mission of providing quality, on-time and effective medical care. This can only be realized by utilizing advanced information and communication technology, tailored to specific needs of each hospital or clinic built on a solid infrastructure, customized workflows, dependable hardware and flexible software.

KARIBA offers healthcare industry specific solutions for managing and making available to healthcare professionals important patient information whenever and whenever they need it, helping to increase the effectiveness of medical services and lower costs that benefit both the hospitals and the patients.

Hospital Information System

An advanced and functional information system is what ultimately turns all the investments that a healthcare organization makes in ICT systems into real world results by providing fast and quality care when and where it is needed.

KARIBA evaluates the needs of a healthcare organization and partners with industry leaders like Dell, HP, Oracle and Motorola to design a high performance, functional and integrated information system. Our end-to-end solutions include Electronic Medical Records (EMR), Point-of-Care data systems including wheeled and wall mounted systems, workflow for lab tests, and mobile data for hospital workers wherever they need it.

Our cost-efficient designs make the most use of the existing equipment and systems as much as possible, bringing down the cost and time of acquiring new technology and training staff, and making the transfer to higher level faster and easier.

Point-of-Care Communication

KARIBA provides advanced hospital internal communication systems that enable hospitals to design and implement efficient workflows that increase the speed and quality of patient care delivery.

Our solutions are complete systems with hardware and software, and are integrated into KARIBA's enterprise healthcare solutions. We can also integrate the new system into hospitals existing information architecture, as the solutions from our partners such as Amcom and Vocera are highly flexible and customizable.

Clinical Alerting Systems

KARIBA's Clinical Alerting Systems centralize the management of critical alerts and alarms generated by point-of-care and safety systems such as nurse call, patient monitoring, and many others. These systems:
- Offer the organization and the end users a broad range of solutions to meet their specific needs for robust, reliable, secure delivery of critical pages, alarms, and alerts
- allow users to receive and send messages from the smartphone of their choice based on their unique needs

Telemedicine

Telemedicine technologies have enabled healthcare organizations to extend their services to the remotest locations without the need for skilled physicians to be present. KARIBA uses technology from its partners such as Cisco and MedWab to offer advanced cloud-based and mobile systems to its customers in healthcare industry.

Dispatch Unit Communication

Emergency Dispatch Units require a robust communication and location tracking system that has been proven in the field and under stressful conditions. KARIBA offers some of the best dispatch communication and control systems available in the market today. The systems include control center, vehicle units and hand held devices for a complete end-to-end solution. Our solutions with components from our partners such as Motorola ensure professional service for dispatch units in hospitals and emergency centers for years to come.

Mobile Clinic

KARIBA also provides solar powered mobile healthcare units fit into 20 or 40 ft. containers that can be customized for emergency treatment, general clinical care, surgery, or laboratory. The units are equipped with satellite link and telemedicine communication unit from Cisco, creating the opportunity to provide the highest quality medical care at the most remote locations.

General ICT Solutions for Hospitals

Like any other enterprise with mission-critical operations, Hospitals and Clinics depend on information systems based on highly available, reliable and secure infrastructure to carry on their operations. Some of the general services we provide to Hospitals and Clinics are:

Infrastructure
- Wireless Networks
- Wired Networks
- Network Security
- Data Center

External Communication
- VSAT
- IPBX and VoIP
- Videoconferencing

Safety & Security
- Closed Circuit Television (CCTV)
- Access Control
- Fire Alarm Systems
- Public Announcement & PAGA

Business Management
- Employee Attendance Tracking
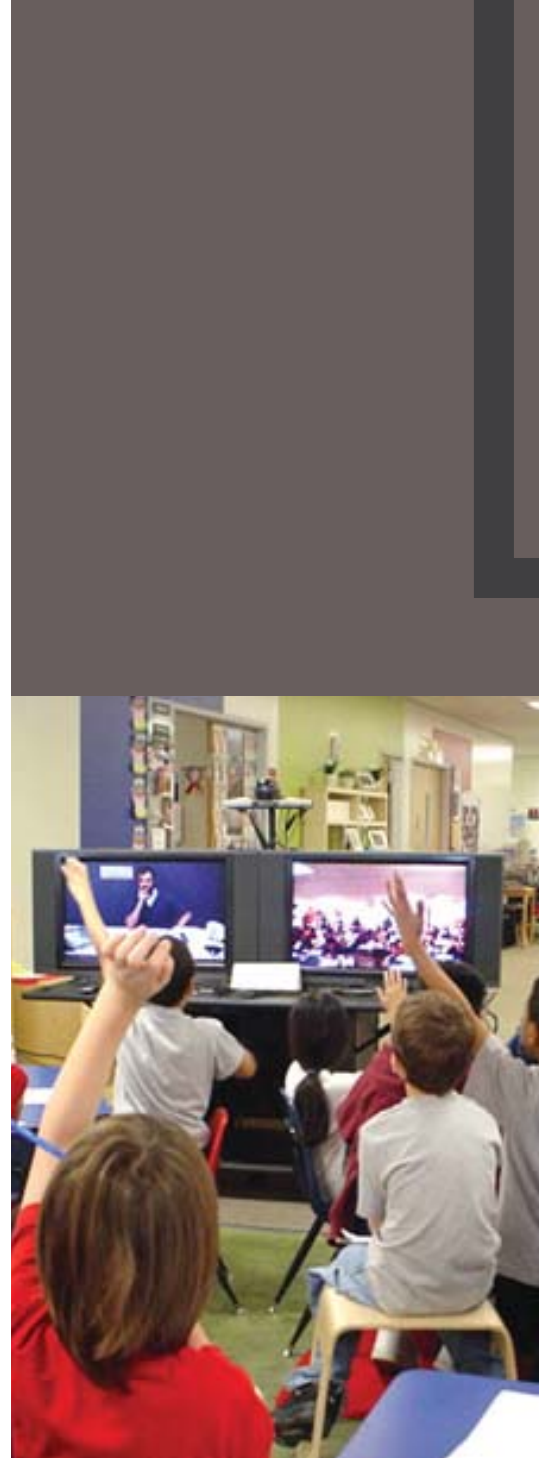- Inventory Management

EDUCATION

KARIBA provides specific solutions and services to Educational Institutions that take the availability of quality education to the next level. The fast pace of progress in the 21st century requires organizations in all sectors to adopt advanced information and communication technologies to stay on track towards their business goals. Schools and Universities are no exceptions, and KARIBA can help your institute to take advantage of the latest ICT technology to that end. Many developing countries have a huge potential for utilizing information and communication technology in education, because there is an increasing demand for education but at the same time a lack of high quality trained educators. E-learning, Tele-classroom, interactive learning, and other similar technologies have emerged as the tools that will enable educational institutions to raise the quality and the quantity of their offerings to the next level.

Smart Classrooms

Today's students in the workplace are increasingly being asked to work in teams, collaborating to solve problem. These experiences are not highly centered on in the traditional classroom, but are twenty-first century skills that can be attained through the incorporation and engagement with technology. This calls for a classroom where students and teachers interact through applications with educational media in a variety of forms. We turn traditional class rooms into "smart classrooms" where multi-media presentation tools such as large screen TV's, theater style sound systems, multi-media computer systems, etc. are retrofitted and are coupled with a feedback system.

E-learning

Through the effective integration of information technology and the curriculum, E-Learning creates an ideal learning environment using modern means of information technology. This in turn brings about a new learning style which emphasizes the role of students in education, and transfer high quality education to large numbers of personnel. KARIBA provides advanced E-Learning solutions from major providers such as Adobe and Blackboard that include authoring tools, real-time collaboration, curriculum management, and reporting capabilities. Our solutions improve educator efficiency, promote social and mobile learning, and offer integrated digital content. We team up with our clients to design and implement the solution that fit their specific needs.

LEARN

INDUSTRIES
CONTINUED

Mobile Classroom

Schools that are able to provide technology within the classroom are able to expose their students to a new means of learning, while the students in lower socio-economic schools may miss out on these experiences. As part of KARIBA program to bring new technology to schools, we build solar powered mobile classroom units. The units are equipped with smart-classroom equipment, satellite link and other systems for a complete remote interactive learning environment, creating the opportunity to provide the highest quality medical care at the most remote locations.

General Solutions

Technologies on campus such as WLAN that accommodate the use of portable computing and telephony devices are essential support for the University's educational mission. The primary values of this new infrastructure include increased mobility, safety, productivity, and convenience.

KARIBA's general ICT solutions provide the necessary tools and infrastructure to schools and universities in support of their educational mission. Before implementing a smart classroom project, KARIBA will design and install a robust, high-performance, secure infrastructure to accommodate high bandwidth, large files, and large number of simultaneous users typical of a multimedia environment. Each solution will be tailored for the specific case and needs, therefore passing our client with the highest ROI.

Infrastructure	Safety & Security
• Wireless Networks	• CCTV
• Wired Networks	• Access Control
• Network Security	• Fire Alarm Systems
• Data Center	• Public Announcement & PAGA
External Communication	Business Management
• Broadband (VSAT)	• Computer Based Tests
• IPBX and VoIP	• Employee Attendance Tracking
• Videoconferencing	• Inventory Management

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INDUSTRIES

GOVERNMENT

Governmental institutions are the largest investors in ICT systems. They deploy information technology in large scales and many forms to lower costs of operation and improve service quality and speed of delivery to citizens. For this reason, these organizations are always looking for new innovations and technological tools to further streamline their processes and maximize productivity.

KARIBA have been providing ICT systems and services to governmental organizations for many years. From web portals to data centers and infrastructure, and large VSAT networks, we have designed and implemented solutions that surpassed the expectations of our customers. Our renowned after-sale support is another reason for having many satisfied customers in public sector. Below are just some of the solutions we offer government agencies.

Fleet Management

Many government agencies operate large fleets of vehicles and other movable assets of various types. Law enforcement agencies, utility companies, municipal service departments and fire departments are among institutions with heavy use of large number of vehicles and machinery. KARIBA fleet management solution automate the monitoring of health and operation of vehicles and equipment by gathering and transmitting data about their functioning status and early warnings of developing problems before a catastrophic failure occurs.

E-Government

In today's society, there is increasing demand by citizens and businesses for on-time customized service from public sector institutions, in an age which is marked by production and exchange of huge volumes of information. The complexity of government-citizen and government-business interactions cannot be handled without utilization of the latest technology in information creation and distribution on the internet. The E-Government portal systems have been invented for this purpose. KARIBA can custom design and build high grade portals for government agencies that take their current business processes to the next level and integrate them with existing E-Government infrastructure. We have also collaborated with governments in developing plans to initiate E-Government portals from scratch, and have the resources to implement large web applications in national level

Workforce Management

Workforce location tracking and attendance solutions give the necessary monitoring and control of employees and field workers to government agencies and public sector institutions that is required for scheduling for highest organizational productivity and at the same time ensuring personnel safety. Employee managers can see the location of every employee on the map and communicate with them on the fly. This is another way to speed up the processes on the job site and assign new jobs to the in a way that optimizes time and cost efficiency. Safety of the personnel is also guaranteed by constant monitoring the location of personnel near hazardous areas.

By collecting attendance and sign-on data, managers can better manage the work hours of their employees. Historical attendance records are kept for administrative and accounting purposes.

Mobile Agency

Mobile emergency response vehicles create the capability to establish communications in any location over wired, wireless, mobile radio, and satellite networks. KARIBA offers state-of-the-art mobile technologies from Cisco and Motorola that extend a unified system from the patrol vehicle to command center. In-vehicle devices, mobile laptops and even smart phones are linked seamlessly in our solutions. The network includes IP video cameras, scanners, printers, and VoIP phones, all under a tight security system.

Command & Control

To cope with complexities of today's community safety and security, public agencies require network-based capabilities to tie together their different security and communications systems, automate incident detection and response, and enable collaboration with other government and private organizations. Using the technologies from our partners such as Cisco and Motorola, KARIBA can help these agencies plan, design and implement command centers that integrate information from multiple sources (data, voice, video) to create actionable intelligence.

Mobile Command Center

KARIBA and its partners designs and builds mobile command centers of different size and for various agencies. Communication is provided by one or a combination of the following systems: a dedicated VSAT, powerful terrestrial radio equipment (HF and VHF), and wireless access point Network security is accomplished by using Cisco Cyber Threat Defense Solution.

General Solutions

KARIBA's array of ICT solutions and services can be scaled to accommodate any size local or national government organization. Our solutions that can benefit government institutions are:

Infrastructure
   • Broadband (VSAT) networks
   • Wireless Networks
   • Wired Networks
   • Network Security
Communication
   • Mobile VSAT Solutions
   • IPBX and VoIP
   • Videoconferencing
   • Radio Communication

   • Terrestrial Microwave Link
Safety & Security
   • Closed Circuit Television (CCTV)
   • Access Control
   • Fire Alarm Systems
   • Public Announcement & PAGA
   • Security Scanners
   • Electronic Turnstiles
      • Videoconferencing

SYSTEMS INTEGRATION

Many ICT companies are capable of providing good products and sometimes solutions to their customers, but very few are systems integrators. The reason is that a systems integrator is a seasoned IT or communication professional with years of design and implementation experience.

KARIBA offers systems integration solutions and services that help clients solve business challenges, accelerate business innovation and create opportunities to drive high performance. Our integration services include application and enterprise systems integration, data center design and project implementation, disaster recovery services, network and security infrastructure integration, and platform integration.

PROCUREMENT

KARIBA is your one-stop source for all your IT and communications procurement needs. We facilitate and implement the sourcing, acquisition, planning and procurement for materials, supplies, equipment, and software for our clients. KARIBA's purchasing teams are responsible for all commodity purchasing activities and act in a consulting capacity to advise and direct customers through the procurement process.

Relying on a large network of prominent partners, we arrange procurement contracts for a diverse range of goods and services for government and private clients. By providing a one-stop source for all our clients' needs, KARIBA provides customers with exceptional value and savings.

ENGINEERING DESIGN

In the fast moving sectors we serve, many enterprises require Engineering and System Design services, either for their own facilities or for the facilities they build for their client in a project.
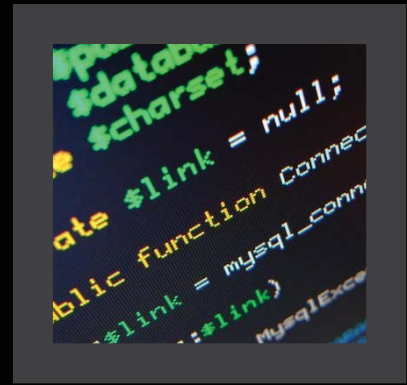
PROVIDE

SERVICES

KARIBA has engineering teams who are proficient in designing all aspects of an IT and/or communication system and infrastructure. Whether in the feasibility and requirements analysis and conceptual design phase of the project, or the final inspection, testing and documentation of the completed system, KARIBA will provide you with the best-in-class professional engineering service that will meet your requirements as well as your project's quality, time and budget targets.

SOFTWARE DEVELOPMENT

Any institution, large or small, cannot do without a well-designed and built software system to implement its business processes and manage its workflows. KARIBA software engineers and developers take pride in having developed enterprise class applications, some for mission-critical use by government agencies. From Web Portals to Management Information Systems such as ERP and CRM, we can develop new database applications or can customize off-the-shelf software to fit your specific business processes.

KARIBA employs advanced software methodologies, proven design patterns, and best practices throughout design and development. We use enterprise-grade oundations such as DB2, Oracle, Teradata, QL Server, PostgreSQL and MongoDB databases, JAVA and Enterprise Linux platforms, web application servers, and frontend technologies based on PHP and JavaScript. KARIBA security teams work closely with our web development teams to ensure rock-solid security at all tiers are implemented. For commercial non-mission-critical applications, we employ LAMP and .NET technologies on either Linux or Windows platforms.

When you come to KARIBA, you can be sure that we will employ the best available technologies that is right for your specific requirement, with a high ROI for your investment.

PARTNERS

KARIBA works with the world's leading technology and service providers to develop enterprise solutions that fit your specific needs. The technology provided by our industry partners, combined with our expertise in designing, implementing and supporting high-quality end-to-end ICT solutions, allows us to deliver customized solutions that enable you to optimize your organization's business productivity.
A comprehensive list can be obtained upon request but some of our active partners are:

CLIENTS

KARIBA is proud to have worked with many public and private organizations throughout the world to develop solutions that increase their productivity and help their businesses succeed. We have had clients from among government agencies, ministries, oil companies, construction and mining companies, banks, media and broadcasting agencies, educational and financial institutions, healthcare organizations and NGOs in Africa, Asia, the Americas, and the Middle East. What has been attracting customers to KARIBA has been our advanced technology, tailored solutions, quick response, guaranteed QoS, 24/7 support, and technical and customer service personnel that work with our clients like a member of their team.
Below the location of some of the project performed by KARIBA SYSTEMS is shown:

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SYSTEMS

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