



BMS Total Solution Provider.

Contents

About Us	5
Successes	7
Our Services	10
Our Solution Areas	11
Life Safety and Physical Security	13
Fire-fighting System.....	13
Fire Detection & Alarm Systems	14
Access Control Systems	14
CCTV Security Systems	15
Physical Intrusion Systems.....	15
Infrastructure Data Cabling	17
Light Current	18
Data Communication Networking & Data Center.....	18
Telephony Systems.....	18
Audio Visual Systems	19
Queuing System.....	19
Lighting & Dimming Systems	20
TV & Satellite Reception System	20
HVAC	21
Plumbing	21
Electrical Power	22
Safety Policy	25
Quality	26
Our People	27

About Us

Alpha Design & Networking founders gained broad knowledge and experience in the ICT market since the nineteen eighties. This vast expertise accompanied by Quality Excellence in Products, Services, and Business Management has led to the establishment of Alpha Design & Networking in 1997 by the leadership of the CEO Eng. Sherif Omran.

We are globally recognized as a Pioneer in Electromechanical Fire-fighting, Infrastructure Data Cabling and Light Current systems. Alpha Design is a leading company covering ICT needs of all vertical sectors; Telecommunications and Data Centers, Finance, Tourism, Health, Plants and Factories, Transportation, Utilities, Educational and Embassies among others.

Proven records of major innovations in our solutions reflect our commitment to perfection and to provide top-notch solutions and world leading brands. Regular maintenance is our priority, ensuring the quality of our systems' operation and peak performance. We adopt subcontracting arrangements with large and multinational corporations for general contracting in integrated projects that allow us to take on large-scale projects successfully.

Alpha employs innovative people and empowers them to achieve the highest level of performance. Our high-level technical and engineering expertise and exceptionally skilled, well-trained personnel are the core of our Leading Edge Services.



Successes

Alpha Design is known for providing remarkable BMS (Business Management System) solutions for various industry segments including: Resorts, Villas and Hotels facilities' Projects, Airports, Government, Commercial and Administrative Buildings, City Networks, Chemical Plants, Refineries and Process Plants, Power Transformer Substations, Industry Projects, Factories Infrastructure and Refrigeration Plants, Telecommunication and IT Facilities.

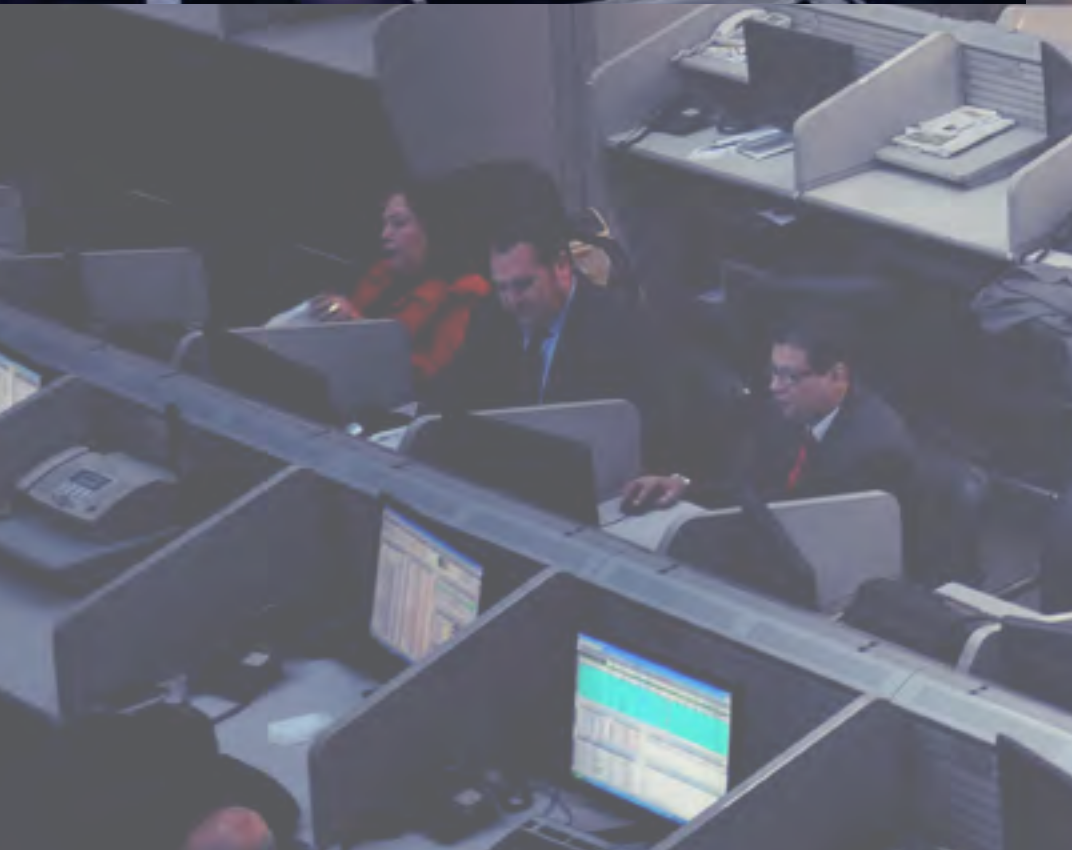
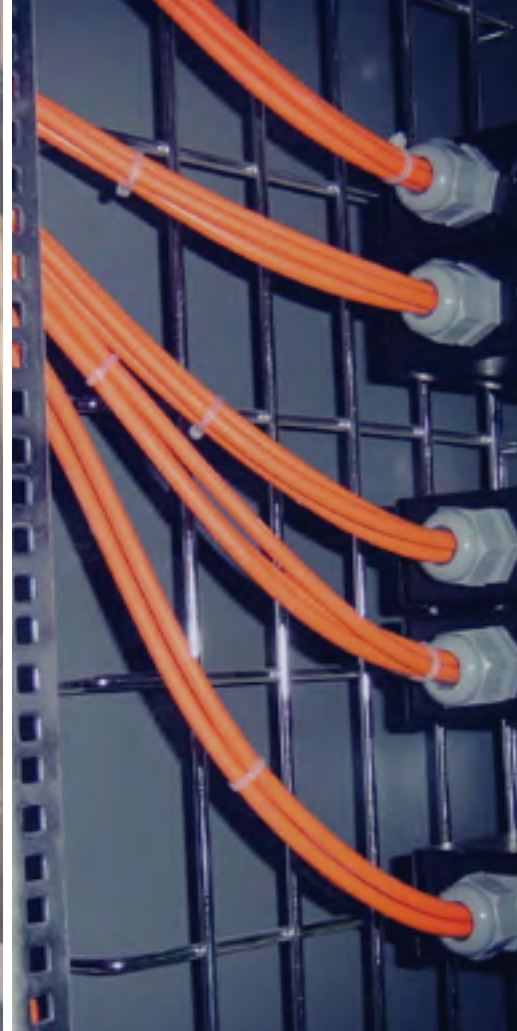
Alpha has achieved a series of key successes over the past years, concentrated in the broad areas of Electromechanical Fire-fighting, Infrastructure Data Cabling, Light Current and Electrical Power systems. Below, are some major projects implemented and maintained with the highest commitment and efficiency.

Italcementi Factories

The groundbreaking achievement is being the first and only company to develop a comprehensive solution for improving safety in a Coal Factory, through design and implementation of a specialized Fire-fighting system. The factory is among the 5 factories of Italcementi in different locations in Egypt. Alpha designed, provided and installed Life Safety & Physical Security systems including Fire-fighting, Fire Detection & Alarm systems in the 5 plants, which received operation, testing and maintenance. Italcementi is known among the 10 largest industrial companies in Italy, & the fifth cement producer worldwide.

General Authority for Investment

The General Authority for Investment (GAFI) selected Alpha to design and implement complete integrated systems for the main building. This was achieved through installing the Central Control System and the whole building's Light Current and Electromechanical systems. Contracts are formed for maintaining all Light Current and Electromechanical Fire-fighting systems in the main building. Alpha's services were integral in providing the complete structure of systems required, of which its regular maintenance program improves their reliability and efficiency.



Successes

Authority and Railway Stations

Over 140 locations, Alpha has connected 140 Egyptian National Railways Stations across Egypt, in West, East and Middle Delta, the Central Area and Upper Egypt. Enabling a more efficient transport process through design, supply and installation of Basic Technological Infrastructure solutions for the Main Computer and Electrical Network, of which a 3-year contract of maintenance was fulfilled. The Egyptian National Railways is one of the largest economic institutions in Egypt and the Arab world, and the largest in the field of transport services for passengers and cargos, being the backbone of passenger transport in Egypt.

Cairo & Alexandria Stock Exchange

Being the Pioneer in Infrastructure Data Cabling, Alpha designed and installed complete integrated systems for The Egyptian Stock Exchange in Cairo and Alexandria since 1999, including operation and maintenance of Light Current, Electrical Power, Electro-mechanical and Fire-fighting systems. A major communication and technological advancement is establishing complete infrastructure for the whole Data Networks including the Fiber Optic backbone Network and LAN. Alpha's highly-skilled engineers perform Time-critical Maintenance, which is crucial for keeping sensitive session information safe.

ECHEM Data Center

Alpha's Infrastructure Data Cabling solution developed the Data Center of The Egyptian Petrochemicals Holding Company, one of the four specialized bodies of the Egyptian Ministry of Petroleum. Alpha provided solutions in both, Data & Electrical Networks, through installment of 3000 nodes in the whole building, in addition to Light Current and Telecommunication systems.

Our Services

Consultancy

Alpha Design utilizes its experience and knowledge of the market and international design standards to offer consultancy services for different industries and entities.

Turnkey Projects and Build to Order

Alpha's resources and expertise allow building projects with custom specifications or out of the box solutions to meet the demand and flexibility needed by different clients and industries. Alpha offers designing, project management, site surveys and technical implementations, up to maintenance, after-sales services and warranty.

System Integration

We specialize in bringing together components and subsystems into a complete integrated solution, ensuring seamless functionality using innovative solutions or building to a custom specific project.

Suppliers

We are certified distributors and suppliers for a number of prime Fire-fighting systems, offering exclusive and competitive prices.

Our Solution Areas

Alpha Design specialized engineers have broad experience in **designing** systems by the latest technologies, research-backed with market knowledge. Our warehousing, transportation facilities and highly-skilled technical teams allow us to **supply, install, test** and **operate** our systems seamlessly.

Our strategies allow us to offer total integrated solutions for Electromechanical Fire-fighting, Infrastructure Data Cabling, Light Current and Electrical Power systems for turnkey projects. We assure our clients to receive well-maintained systems through our After-sales service and offering a comprehensive Warranty and Maintenance program.

- Identifying customer needs, environment and business objectives
- Understanding market requirements, behavior and ever changing needs
- Close follow-up to industry standards, trends and directions
- Selection of our products, suppliers and business partners
- Full implementation of business practices and methodology



Life Safety and Physical Security



Fire-fighting Systems

We offer leading-edge Fire-fighting solutions for the safety and protection of human life and premises, employing different systems and products from prime brands as follows:

Gaseous/Clean Agent Fire Suppression Systems with SIEX by KOMTES (UL/FM/VdS)

- CO₂ Fire Suppression system. UL-Listing , VdS and pending FM-200
- FM-200 Fire Suppression systems (25 bar and 42 bar)
- FM-200 (S-Flow) Fire Suppression systems (32, 34, 50, 55 and 60 bar)
- Novec 1230 Fire Suppression systems
- Inert gases Fire Suppression systems (IG-541, known as Inergen)
- Dry Chemical systems
- Kitchen Hoods Fire Suppression systems with wet chemicals

Water Fire-fighting Systems

- Sprinklers with RAPIDROP-UK UL/FM/VdS
- Valves and Accessories with RAPIDROP UL/FM/VdS

Water Mist Fire-fighting System with SIEX-SPAIN

SIEX Foam Fire-fighting Systems Ansul/SIEX

Tubing Fire Suppression System (Fire Trace) for electric panels and other applications with the leading manufacturer (FIRETRACE)

Life Safety and Physical Security



Fire Detection and Alarm Systems

Alpha delivers a market leading experience in Fire Protection solutions from major brands. We provide Fire Alarm systems that work in coordination to detect potential fire before it occurs, through visual and audio devices. The systems are suitable for various environments, being activated by different factors; smoke detectors, heat detectors or water flow sensors.



Access Control Systems

We provide total management solutions to businesses, offering breakthrough design with commitment to excellent product support and dedication to future technologies. The interconnectedness of these areas enables Alpha to keep pace with the ever-changing needs of the Security market. We work with world leaders in the industry (PCSC, Bioscrypt, Avaya).

Life Safety and Physical Security



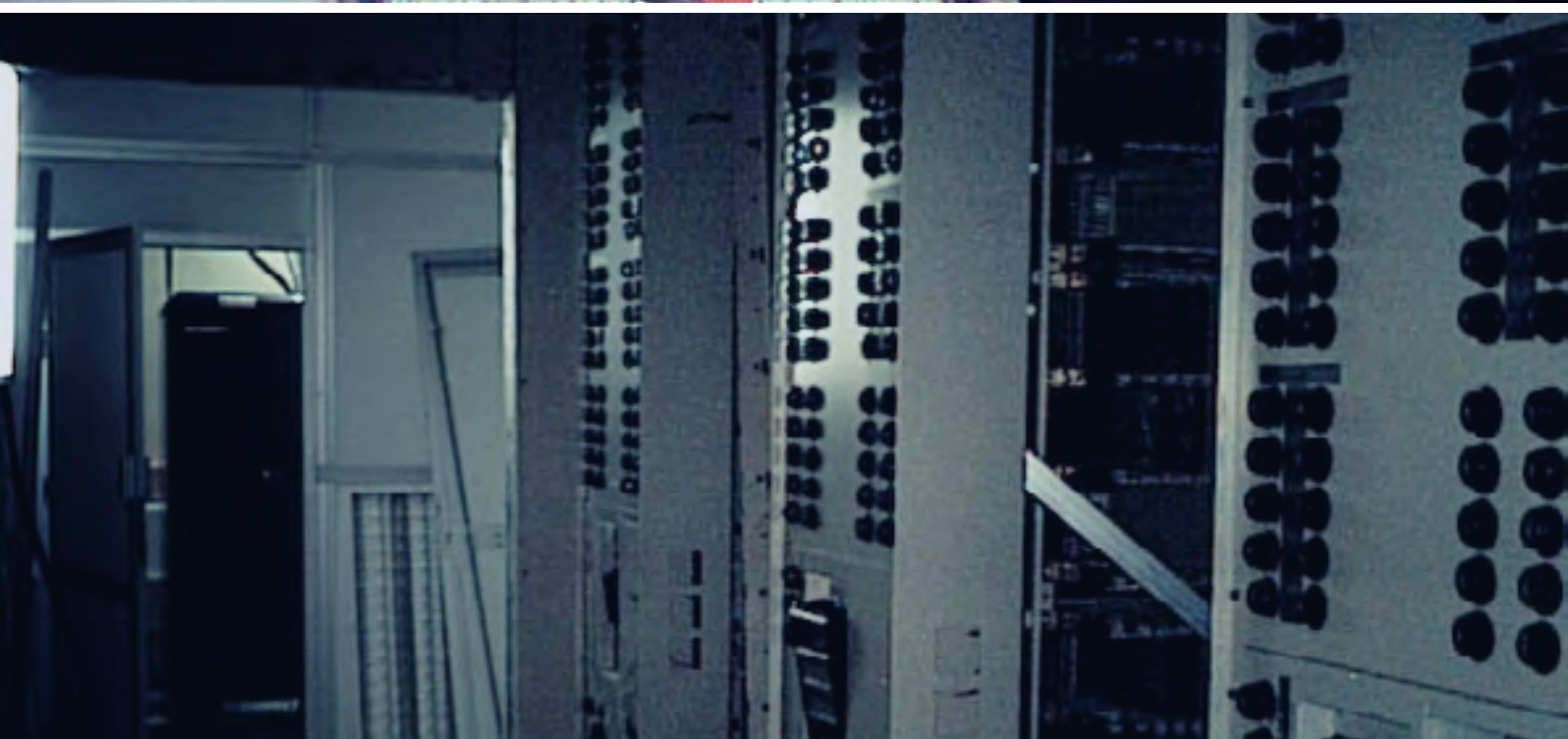
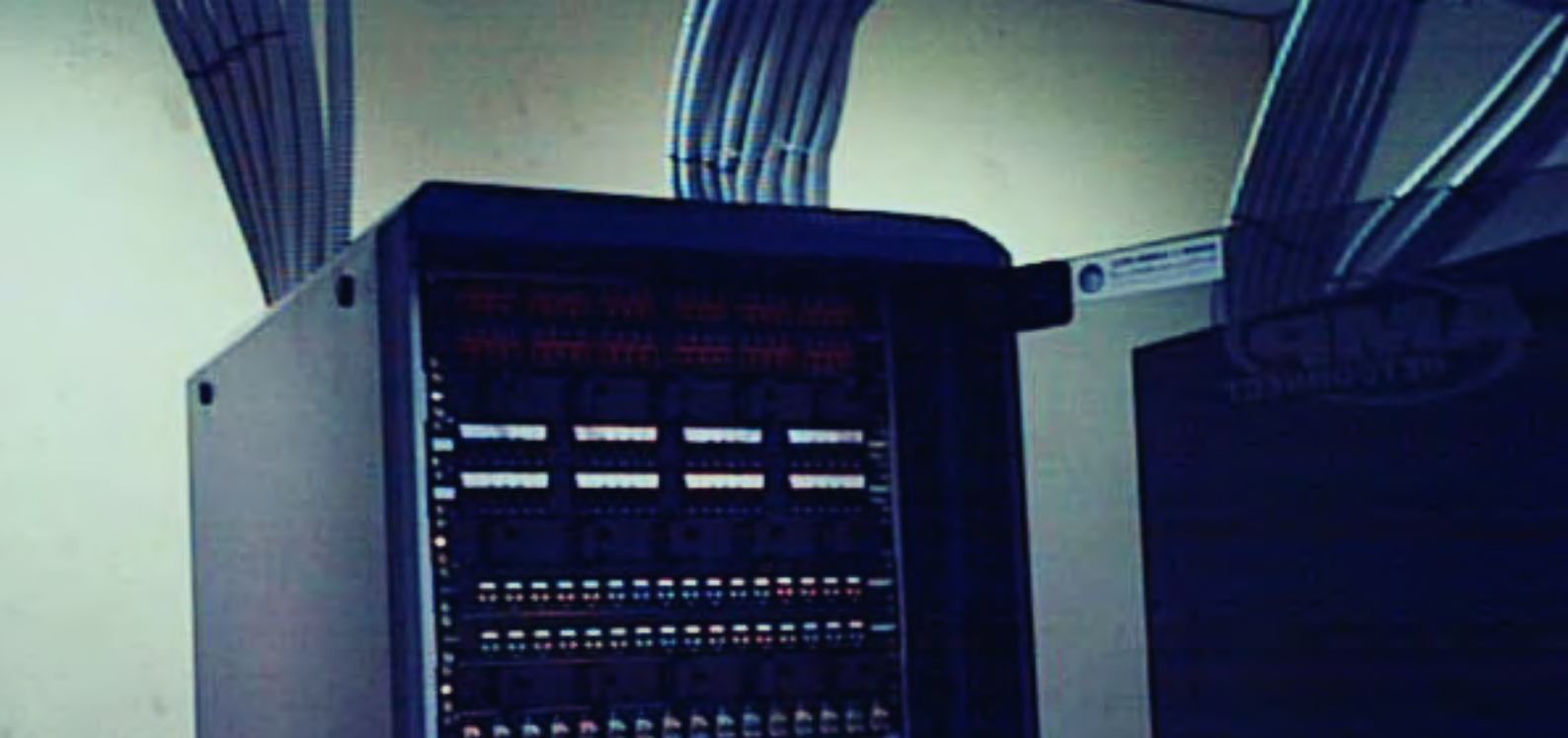
CCTV Security Systems

We design and install CCTV professional systems to suit all needs to accommodate the wide range of CCTV applications on different levels with all system components from cameras, multipliers, monitors and time laps recording machines, through world leaders in the field (Panasonic, Sony).



Physical Intrusion Systems

Alpha Design offers different Physical Intrusion Systems against damage or theft. The systems detect events that indicate unauthorized entry, which enables protection of human life, equipments and premises. Our solutions include door position sensor, glass break detector, motion detector and panic button.



Infrastructure Data Cabling



Structure Cabling Systems for Premises Solutions

We cover every aspect of Fiber Optic Cabling from Cable Management and Inter-connection to Installation and Testing.

Alpha has developed a number of innovations in cabling and systems that are economically attractive, providing fiber-to-the-desk solutions with world leaders in the field (AMP). We are committed to provide cables designed for delivering reliable performance, providing Cabling Systems using copper, fiber or a combination of both. We ensure customers to receive well-designed, cost effective systems that meet not only their current requirements, but also their future communication needs.

Light Current



Data Communication Networking and Data Center

We design and install data communication networks on several levels; LAN, WAN, design and implementation of Data Centers using the latest technology. Our scope includes hardware, networking devices, edge switches, core switches, multilayer switches, routers and security products through world leaders in the field (CISCO).



Telephony Systems

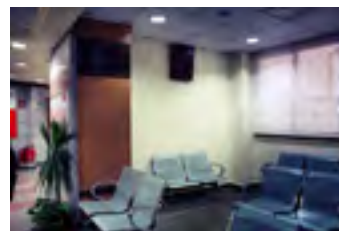
We provide Networks, PBX portfolios and advanced voice features, data connectivity, LAN communications, computer telephony integration (CTI), and information services for communication applications. Nortel Networks BayStack data networking products are an integrated portfolio of hubs and switches for small and medium businesses.

Light Current



Audio Visual Systems

We are specialized in providing custom design, engineering, and installation of integrated Audio Visual systems for professional presentation facilities with world leaders in the field (Sennheiser, TOA, Panasonic). Our solutions range from Conference Room Preparations, Language Interpretation to Public Address and Sound Systems. Our systems include video projectors, screens and all illustrative tools, wireless microphone systems, amplifiers and speakers used in foreground and background music systems, mixers and digital processors used in sound reinforcement.



Queuing System

Alpha offers Queuing Management System to guide customers at the counters where their ticket is called. The digital screens run simultaneously with a live feed and queue updates to enhance efficiency and customer satisfaction.

Light Current



Lighting and Dimming Systems

We design and install dimming systems with world leaders (ABB). We easily accommodate and consider interior design and space planning, followed by complete installation of the dimming system that serves customer requirements. Well-known external and internal pre-programmed lighting schemes for reading, entertaining in theatres and libraries, taking into consideration Daylight levels and Energy savings result from an intelligent and accurate multi-zoned Central Control System.



TV and Satellite Reception System

Alpha designs, supplies and installs solutions for the main TV and Satellite Network, specialized for campuses and resorts.



HVAC

We offer Heating, Ventilating and Air Conditioning (HVAC) system design, supply and installation, including Freon Cooling or Water Cooling Chillers, DX Units, Fan Coil Units, Exhaust, Smoke, Pressurization Fans and Air Condition Electrical Panels. Our implementation is fit for Administrative Buildings, Factories and Data Centers.



Plumbing

Alpha sets up the Plumbing System, which includes the water supply distributing pipes, fixture and fixture traps, soil, waste and vent pipes, the building drain and building sewer, the storm water drainage, accompanied by their devices. In addition to appurtenances and connections within and outside the building. Alpha Design performs the maintenance of Desalination Plants.



Electrical Power



Alpha provides the facilities for a reliable Backup and Emergency power supply to regulate and stabilize electrical power through different types of Electrical Power systems; Electrical Network, UPS systems, Stabilizers, Backup Generators, ATS Panels and Electrical Panels, specialized for Data Centers and Premises.



Safety Policy

Alpha Design's policy is to supply the highest quality of services and operating safety, with respect for safety, environment and health dimensions.

We are firmly convinced that it is possible, and hence mandatory, to prevent accidents to persons or damage to property, to minimize risks deriving from harmful agents and avoid environmental pollution.

Working with selective customers within the petroleum sector, in addition to multinational companies had a striving mandate for Alpha to adhere and continuously improve safety and health aspects. Alpha complies with all rules and regulations relevant to safety, hygiene and environmental protection to protect their clients where they perform their activities.

Moreover, we train and stimulate our own personnel to improve their attitude towards safety and environmental protection. Alpha adopts work methods and procedures suitable for preventing accidents and environmental pollution. Engineering Contracting Office regularly evaluates achievements and carries out corrective actions to ensure this policy is successfully implemented.

Quality



Alpha Design's policy is to fully satisfy their clients' quality systems and continuously improve their projects and targets. Alpha promotes all of the activities needed to enforce and update the company's quality system, as it is the tool to accomplish their quality policy.

Alpha measures the improvements in quality as it moves toward their target to reach the zero defects level. And, re-evaluates periodically the quality system in place to ensure it is always adequate and effective.

Our People



We believe that our employees are our most important asset. Thus, and in response to the industry's nature, our employees are continuously experiencing ongoing different types of training to cope with the rapid technological changes. The training programs are designed to ensure both, personal and professional growth.

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