COMPANY PROFILE

DOLCHE ENGINEERING

Where you get

Unlimited Support!

2016

www.dolcheengineering.net
ABOUT DOLCHE ENGINEERING

DOLCHE Engineering is an Ethiopian, domiciled company. The company involved diversified contracting business house with core activities in Information and Communication Technology (ICT) integrator and Electro-mechanical works Contractor.

DOLCHE has had the privilege of significantly contributing to the infrastructure development of the State of Ethiopia and have gained recognition as leaders in the Information and Communication Technology and Electro-mechanical contracting which can be seen in our contractor ranking by the Addis Ababa Administration Trades and Industry Development Office of Ethiopia. We believe that and are the pioneer and leaders of modern contracting company in Ethiopia. We have a plan to lay a remarkable result in the ICT and electro-mechanical infrastructure of Ethiopia.

Our experience and strong track record have brought to us numerous accomplishments in terms of market acceptance, financial strength and business know-how. With this, it is our honor to share with you a few of our key achievements. We pride in being recognized as one of the highest graded contractor in Ethiopia, the highest qualification that is awarded to superlative companies in the ICT and Electro-mechanical field in Ethiopia.
ICT ACTIVITIES

DOLCHE brings in a unique mix of specialists in information and communication technology and electromechanical areas. The solution required of information technology demand experts in these areas and DOLCHE is geared up to offer a comprehensive suite of services to the IT Industry.

Specialized teams are formed across different functional specializations like:

- Infrastructure Solution
  - Data center Solution
  - Data Storage Systems
  - Buildings Infrastructure Solutions
  - E-mail & Collaboration System
  - Security System
  - Print Management System

- Network Solution
  - Core Networks
  - VoIP
  - Wireless Networks
  - Multimedia Solution
  - Passive Infrastructure Networks

- Conference System
  - Video Conferencing System
  - Audio Conferencing System

- Public Addressing and Intercom System

- Library RFID Management System

- PBX/IP Telephone System

- Network Design and Implementation

- Virtualization Technology and cloud computing

- Disaster Recovery & Backup Solutions

- 24/7 Helpdesk and customer Support

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SUPPLY AND INSTALLATION OF DATA CENTER AND DR SITE SOLUTION:

- ROOM RENOVATION WORKS (RAISED FLOOR SYSTEM, WALL CLADDING, FALSE CEILING, FIRE RATED DOORS AND PARTITIONS)
- POWER SUPPLY SYSTEM (UPS, PDU, POWER DISTRIBUTION BOARDS)
- WIRING AND NETWORKING CABLING INFRASTRUCTURE
- DATA CENTER GROUNDING SYSTEM
- PRECISION AIR CONDITIONING SYSTEM
- ROOM DECORATION
- ACCESS CONTROL SYSTEM
- CCTV SYSTEM
- FIRE DETECTION, ALARM AND SUPPRESSION SYSTEM
- DATA CENTER ENVIRONMENT MONITORING SYSTEM
- DATA CENTER LIGHTNING
SUPPLY AND INSTALLATION OF DATA CENTER SOLUTION:

- ROOM RENOVATION WORKS (RAISED FLOOR SYSTEM, WALL CLADDING, FALSE CEILING, FIRE RATED DOORS AND PARTITIONS)
- POWER SUPPLY SYSTEM (UPS, PDU, POWER DISTRIBUTION BOARDS)
- WIRING AND NETWORKING CABLING INFRASTRUCTURE
- STORAGE/UNIFIED STORAGE SPECIFICATION/
- BLADE SYSTEM ENCLOSURE FOR DC
- SERVER BLADES
- DATACENTER RACK
- DATA CENTER GROUNDING SYSTEM
- PRECISION AIR CONDITIONING SYSTEM
- ACCESS CONTROL SYSTEM
- CCTV SYSTEM
- FIRE DETECTION, ALARM AND SUPPRESSION SYSTEM
- DATA CENTER ENVIRONMENT MONITORING SYSTEM
SUPPLY AND INSTALLATION OF DATA CENTER SOLUTION:

- UPS AND BATTERY SYSTEM
- PDU, POWER DISTRIBUTION BOARDS
- WIRING AND NETWORKING CABLING INFRASTRUCTURE
- DATA CENTER GROUNDING SYSTEM
- AIR CONDITIONING SYSTEM
- RAISED FLOOR SYSTEM
- ACCESS CONTROL SYSTEM
- CCTV SYSTEM
- FIRE DETECTION, ALARM AND SUPPRESSION SYSTEM
- DATA CENTER ENVIRONMENT MONITORING SYSTEM
- FIRE RATED DOORS AND PARTITIONS
- DATA CENTER LIGHTINING
- ALL RELATED CIVIL WORKS
- MIGRATION ACTIVITIES TO THE NEW DATA CENTER
SUPPLY AND INSTALLATION OF DATA CENTER SOLUTION:

- UPS,
- FIRE DETECTORS AND SUPPRESSION SYSTEM,
- ACCESS CONTROL SYSTEM,

SUPPLY AND INSTALLATION OF DATA CENTER SOLUTION:

- PRECISION AIR CONDITIONER
- ACCESS CONTROL SYSTEM,

SUPPLY AND INSTALLATION PRECISION AIR CONDITIONER FOR THEIR DATA CENTER

SUPPLY AND INSTALLATION OF AIR CONDITIONER FOR THEIR BRANCHES THROUGHOUT ETHIOPIA
SUPPLY AND INSTALLATION OF:
- Fiber Optic Cable Backbone Extension
- LAN Network Installation
- Deploy and Configuration

DESIGN, SUPPLY AND DEPLOYMENT OF NETWORK INFRASTRUCTURE:
- Fiber Optic Cable Installation Among the Campuses
- Local Area Network
- Test and Commissioning

DESIGN, SUPPLY AND DEPLOYMENT OF:
- Fiber Optic Cable Backbone
- Local Area Network Among the Campus
- Datacenter Core Switches, and Access Switches
- Datacenter Air Conditioner,
- Room Air Conditioners
- Datacenter UPS and Power Supply System
- Video Conferencing System
- Test and Commissioning
UNIVERSITIES

DESIGN, SUPPLY AND INSTALLATION OF SMART CLASS SOLUTION:

- VC ROOM RENOVATION WORKS
- POWER SUPPLY AND INSTALLATION WORKS
- ROOM AIR CONDITIONERS
- ROOM LIGHTING SYSTEM
- TEST AND COMMISSIONING

DESIGN, SUPPLY AND INSTALLATION OF DIGITAL LANGUAGE LABORATORY EQUIPMENT

- DLL ROOM RENOVATION WORKS
- DLL EQUIPMENT
- POWER SUPPLY AND INSTALLATION WORKS
- ROOM AIR CONDITIONERS
- ROOM LIGHTING SYSTEM
SOME OTHER CLIENTS

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DOLCHE will develop a new, reliable and upgradeable data center in order to improve computer and essential network physical infrastructure or we offer the services of the existing data center reliability enhancement.

We offer full support in all stages of datacenter development, which includes:

- Preparation – user informing, training and consulting; drafting the terms of reference, planning and preparation works
- Solution design – preliminary design, feasibility study, implementation design
- Implementation – Supply, construction, test and commissioning
- Equipment configuration
- After Sales Service
DATACENTER SOLUTION

MODULAR DATA CENTER

We Build

⇒ HOT AND COLD AISLE CONTAINMENT SYSTEM WITH:

♦ Servers and Network Racks
♦ Active Roof - Fire Alarm Activated Roof
♦ Door sections
♦ Aisle Access Control System
♦ Aisle Smoke, Temperature and humidity sensor
DOLCHE Design Data center based on the following main segments:

- Architect’s designs including Room Renovation
- Power supply System and lighting System
- Earthing system of all metal parts and power equipment’s
- Fire Alarm and Suppression System
- Cable Management
- Air conditioning System
- Security System (Access and Surveillance System)
- DCIM
- Raised Floor and False ceiling
- Wall cladding System
DOLCHE and its certified experts are ready to help design and implement the optimal solution for data backup of its potential users and to meet your specific requirements.

DOLCHE offers to design backup policies and operative procedures, to design and implement the system and to integrate it with other applied technologies, in order to ensure higher level of availability.

Functionalities of modern secure data storage systems that DOLCHE offer:

- Backup to disk
- Backup to VLT (virtual tape library)
- LAN-less backup
- Off-Host backup
- On-line backup
- Central management
Today's buildings are becoming increasingly efficient and connected; **DOLCHE’s** experts in intelligent buildings can partner with you to solve your connectivity challenges. We link power and data on every floor of the building — from environmental and illumination controls, to safety, people flow, convenience, and service equipment. Together, we can deliver greater control and more comfortable living and working spaces.

**DOLCHE** will provide Connected and Efficient Building

- Seamless in-building wireless coverage deployment and managed via a unified platform
- Flexible cabling infrastructure built on best-in-class fiber/copper
- Campus-wide scalability using passive optical LAN and fiber connectivity
DOLCHE team of certified experts will design and implement optimal solutions for e-mail and collaboration exchange, in accordance with your specific requirements or with the new art of technology.

Apart from the basic functionality, we provide for your esteemed company for the e-mail exchange system that enables:

- Use of various collaboration services like calendar updates, task assignment, meeting scheduling and common address books
- Use of public directories as repositories for document storage
- Mailbox and collaboration services access via web and mobile device
- Unified messaging – fax, voice mail, e-mail
- Possibility of pad synchronization and smart phones with mailbox, personal calendar and tasks
DOLCHE provides Security systems solutions that include development and implementation of policies which comprise all aspects of logical and physical security, as well as security issues concerning company employees and their working procedures.

Accelerated technological development of security systems brings advanced IP converged network solutions enabling the integration of different network applications.
DOLCHE provide the following on the Security System:

- Digital information transfer and storage without compromises in quality
- High level of security through the use of data encryption and digital signature
- Connecting to the existing infrastructure (convergence)
- Simple integration with other systems (access control, network intercom, ANPR, video analytics, HVAC building management, POS...)
- Savings on cable installations using Power-Over-Ethernet technology
- Exceptional system scalability concerning software and hardware upgrades
DOLCHE provide the following on the Access Control System:

⇒ Use of single card within the system of logical and physical security and for other purposes, like authorization within the secure print system and similar.

⇒ Possibility of live video verification of individual’s entry / exit on door under surveillance, reducing the possibility of card misuse.

⇒ Possibility of integration with other systems (video surveillance, time and attendance, ERP, HVAC, building automation…) Possibility of creating a single alarm monitoring IT center
DOLCHE provide the following on the Intrusion Detection System:

⇒ Meeting the highest security standards

⇒ Constant system status monitoring through reports (communication status, power voltage status, battery status, temperature, humidity and similar)

⇒ Possibility of integration with IP based video surveillance and access control systems, enabling the operator full visualization through graphic layout maps

⇒ Mobile control through wireless data transfer between the intrusion detection system and the PDA device
DOLCHE provides:

⇒ An integrated software, hardware and services package intended to raise productivity and decrease total print related expenses of your company.

⇒ Active management of print infrastructure that significantly reduce the total print related costs.

⇒ Apart from this cost reduction:

♦ Proper dimensioning of the system,

♦ Implementation of network management application and

♦ Choice of the required type of support will enable you to achieve complete control over your printing infrastructure
DOLCHE Offers Design, implementation and maintenance of differently dimensioned core networks, from networks for small and medium enterprises to solutions for large companies:

⇒ Office networking

⇒ Network security (firewall)

⇒ Connecting between distant locations and the central office in a protected VPN by using public network (Internet) – IPSec VPN

⇒ Design and implementation of MPLS of core networks
DOLCHE’S VoIP solution achieve significant savings in business on the following levels:

⇒ free calls to networked locations
⇒ free audio conferences and video-calls to networked locations
⇒ integration with the existing ERP solution, CRM solution, voicemail, fax2email, email2fax, Call centers, etc.
⇒ centralized WEB based administration
⇒ one centralized software PBX telephone exchange
⇒ one cost center – complete cost control
DOLCHE will Design, implementation and maintenance of WiFi wireless network systems, based on technologies of world’s leading vendors

⇒ OUTDOOR INSTALLATIONS

♦ HotSpot installations
♦ Building-to-building installations

⇒ INDOOR INSTALLATIONS

♦ Networking of offices, business and residential premises
♦ Networking of warehouse and wholesales spaces (e.g. shopping malls, etc.)

⇒ NETWORK MANAGEMENT SYSTEMS
DOLCHE will offer solutions and technologies to build passive network infrastructures:

⇒ LAN (Local Area Network) It is used to build local networks of small, medium and large customers.

⇒ MAN (Metropolitan Area Network) Networks in urban city areas connected by a DTK infrastructure.

⇒ WAN (Wide Area Network) Geographically large areas connected by MANs via optical fiber networks.
DOLCHE will offer PA and Intercom System for

⇒ Airports
⇒ Hotels
⇒ Hospitals
⇒ School
⇒ auditoriums,
⇒ churches, etc
DOLCHE will offer RFID Management System:

⇒ RFID tagging
⇒ Self check-out / check-in
⇒ Radio Frequency anti-theft detection
⇒ Shelf Management
⇒ Inventory Database
Library RFID Management System

- Shelf Management
- Check in/out Service
- Self Check in/out
- Book Drop
- Tagging
- Anti-Theft Detection

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PBX/IP TELEPHONE SYSTEM

DOLCHE will offer:

⇒ Design your entire telephone requirement

⇒ Supply and installation of IP telephone system

⇒ After sales service