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.
POWER AND ENERGY DIVISION

Our key personnel collection have vast knowledge and resources, in building a credible reputation to design, plan and install electrical power and energy related equipments.

We have planned to be one of the leading companies in supporting and developing the engineering solution for energy and power services for the countries growing economy, and achieved that since establishment.

We will still be the pioneer and leaders of modern electrical contracting in Ethiopia. We have a plan to lay a remarkable result in the electrical infrastructure of Ethiopia. Our key personnel have the experience of executing a variety of projects that range from buildings, governmental jobs and industrial projects. Our team of professionals who have extensive experience and capabilities can deliver solutions for valuable engineering works, and possess design approvals from various concerned authorities.

Power distribution, control, low voltage power network infrastructure works:

- Power distribution & Control boards design, assembly, supply and erection.
- Supply and Installation of other Electrical distribution material & equipments works.
- Supply and erection of Diesel Generators
- Supply and erection of renewable energy systems such as photovoltaic/solar power supply equipments.
- Substation tail cables (feeder & transformer tails) works
- Control cables (pilot & coaxial cables) works
- Communication cables (fiber optic and telephone cables)
- Electrical installation works
- MV and Low voltage systems design and implementation.

Civil works associated with power distribution, control and cable works:

- Excavation & back filling of cable trenches
- Construction of foundation works for masts and towers.
- Construction of cable joint pits (pre-cast & block wall manholes)
- Construction of cable ducts (road crossing)
- Construction of basements & foundations (for steel structures)
ARBAMINCH CITY ADMINISTRATION
(SUPPLY AND INSTALLATION OF STREET LIGHT PHASE I & II)

⇒ SUPPLY AND INSTALLATION OF STREET LIGHT MATERIALS
⇒ DESIGN & INSTALLATION OF ALL THE CONTROL BOARDS
⇒ HANDLING ALL THE CIVIL WORKS RELATED TO THIS PROJECT
⇒ TESTING AND COMMISSIONING WORKS
⇒ ON JOB TRAINING

SUPPLY AND INSTALLATION OF SOLAR STREET LIGHT
FOR HARARI CITY ADMINISTRATION

⇒ SUPPLY AND INSTALLATION OF STREET LIGHT MATERIALS
⇒ DESIGN OF ALL THE CONTROL BOARDS
⇒ HANDLING ALL THE CIVIL WORKS RELATED TO THIS PROJECT
⇒ TESTING AND COMMISSIONING WORKS
⇒ ON JOB TRAINING

SUPPLY AND INSTALLATION OF STREET LIGHT
FOR SHASHEMENE CITY ADMINISTRATION
SUPPLY AND INSTALLATION OF HIGH MAST FLOOD LIGHTS AT MODJO DRY PORT (PHASE I & II):

- Design, Supply and Installation of 18M and 45M Masts
- Manage and Execute the Civil Works Related to This Project
- Wiring and Termination All Electrical Equipments
- Installing and Configuring of All the Control Boards
- Installation of Motor for Escalating the Lamps for the 45M Mast.
DESIGN, SUPPLY AND INSTALLATION OF 5000A ATS REDUNDANT POWER AT UNECA

- DESIGN INSTALLATION OF POWER DISTRIBUTION BOARDS
- GROUNDING SYSTEM DESIGN
- INSTALLATION OF CHANGE OVER SWITCHES
- INSTALLATION OF CONTROL PANEL BOARD
- TERMINATION OF POWER CABLES

═ 1.5MVA POWER DISTRIBUTION AND CONTROL PANEL DESIGN ASSEMBLY AND INSTALLATION.

⇒ TEXTILE WEAVING, SPINNING AND FINISHING MACHINERIES AUTOMATION CONTROL SYSTEM INSTALLATION

⇒ TESTING AND COMMISSIONING WORKS

⇒ ON JOB TRAINING
SUPPLY AND INSTALLATION OF HYBRID POWER SOLUTION AT ARBAMINCH UNIVERSITY

- DESIGN, SUPPLY AND INSTALLATION OF HYBRID POWER
- SEQUENCE CONTROL CONFIGURATION OF THE GRID POWER
- SUPPLY OF GENERATOR, UPS BATTERIES...
- CONSTRUCTION OF THE GENERATOR HOUSE AND SOLAR PANEL FOUNDATION AND SOLAR MOUNTING TRAY
- TEST AND COMMISSIONING OF OVERALL SYSTEM
- ON JOB TRAINING
SOME OTHER CLIENTS
Solutions
NEXT EXIT
When it comes to electrical distribution works, we have demonstrated our capacity to our esteemed customer in many ways. We design and roll out all the activities related to medium and low voltage levels. We are known for our ability on understanding the exact requirement of our customers and making them functioning within the time frame and with affordable cost.

We also design, assemble and install low voltage distribution boards as per the need of customers. All our electrical power distribution design considers safety, low maintenance cost, power quality, maximum electrical efficiency, minimum initial investment and so on. So working with us will give to our customers trust and quality of service at any pointing time.
Each city/town across the country is unique, from its population and citizen demographics to the budget that drives key initiatives and priorities. But, whichever is the case we avail different technology street lighting solutions to help save money, increase energy efficiency and travel down the road toward greater intelligence.

As per the requirement of our customers, we design and roll out street light (Sodium and LED) high bay lighting and high mast flood lighting solutions for helping to enhance quality of life and improve infrastructure in an efficient and cost-effective manner.
Dolche efficiently constructs and installs quality end-to-end electrical transmission and distribution systems. From remote rural locations to busy downtown streets, our crews deliver overhead and underground electrical transmission and distribution services. We work closely with our clients to ensure the highest levels of safety, overall environmental stewardship, and the proper energizing of
We do construction and maintenance of substation in accordance with pre-defined standards as per client needs. We have experts on switching, protection and control equipment of substation at any voltage level.

**The Activities which are taken care of by Dolche is**

- Deployment of compact substation
- Rebuilding and upgrading works
- Substation and grounding resistivity testing and commissioning
- Control table installation and terminations
- Control panel installation and wiring
- Building control panels
- Substation maintenance services
- Programmable logic controller installation and so on
Solar hybrid power systems are hybrid power systems that combine solar power from a photovoltaic system with another power generating energy source. A common type is a photovoltaic diesel hybrid system combining photovoltaics (PV) and diesel generators or/and hydro, as PV has hardly any marginal cost and is treated with priority on the grid. The diesel genets/hydro are used to constantly fill in the gap between the present load and the actual generated power by the PV system.

This system is highly recommended for mission critical service which needs un-interrupted power supplies like datacenters. Using such solution will lead an enterprise to:-

- Improved site availability
- Cost saving
- Customer satisfaction
- Lower operational cost
- System redundancy
- Enhancing green environment and so on
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