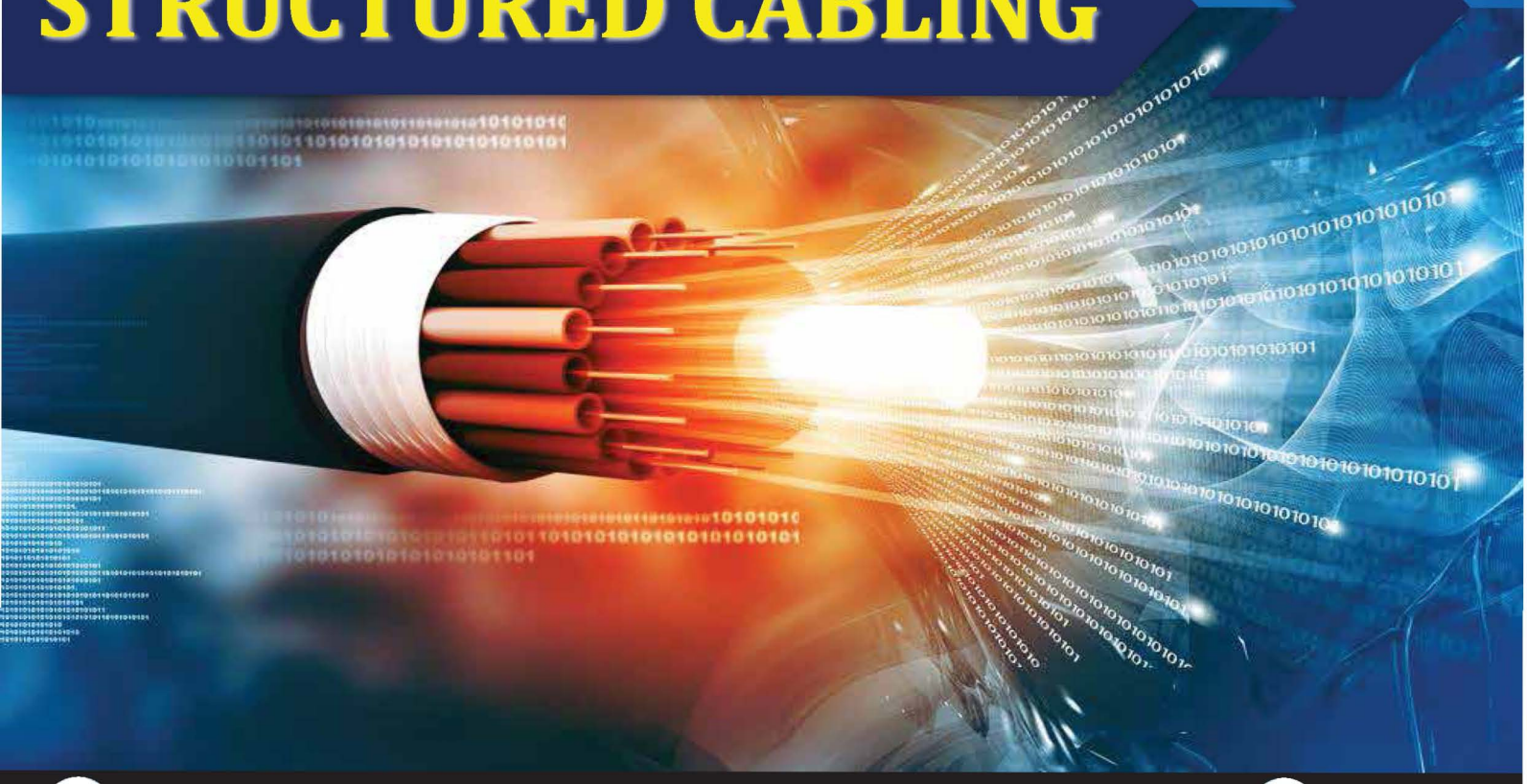
HBA

Private Trading and Contracting

STRUCTURED CABLING



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Chairman's Message

HBA Private Trading and Contracting, a new royal launch for a golden era of business in Qatar market. The driving force behind this venture is that we firmly believe the state of Qatar deserves the best. We are on the lookout for long-term opportunities, and will continue to seize them in line with Qatar's National Vision, which aims to achieve sustainable development. We are a company driven by commitment to the society and nation.

SHEIKH HAMAD BIN AHMAD AL- THANI

INTRODUCTION

HBA E nnovations is a complete IT infrastructure solutions provider focusing on problem and solutions rather than on buying and selling. The strategy is to deliver state of the ārt solutions that solve problems, increase efficiency and contribute to the betterment of humanity.

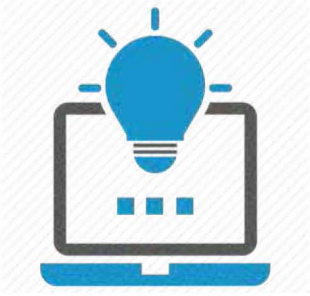
WHY HBA

IT with a Human Touch

Technology for the sake of technology is meaningless and we at HBA believe in IT for Mankind.

IT has evolved. Regardless of version or variation, human involvement is crucial. Whether localizing medical content, branding material to showcase your brand or reaching millions on the internet, top quality is treated as a top priority.

Only highly qualified professionals provide top notch quality. The beauty of working with an established provider like HBA is you to get the best of both worlds: a polished, experienced and professional team and top-echelon products and service.



VISION

Strengthening Relationships

HBA works to facilitate and strengthen relationship between people and causes to make the world a better place.

Supporting Goal Achievement

We help our clients live simple, meaningful lives. Our vision of success is not based on financial standing. We help our clients feel at peace with themselves and their world despite ups and downs.

Providing Dynamic User Experiences

HBA finds the Client's desire the ability to support a meaningful and simple life. A person rests easy when they've past their day working to make the world a little better for their friends, families and clients. We help make a positive, fulfilling experience happen for our customers.

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Hanging Solution

We offer cable suspension system that is highly versatile and can accommodate based on your needs. We can hang promotional hording from the ceiling, support all the installed objects with our cable system for extra safety, supply and support to hang flags during National day and other important days. We also provide cable support for all kinds of temporary installations including signal towers.

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Manpower Services

We provide highly skilled manpower services like Telecom technicians and engineers, counter girls, tea boys and cleaners.

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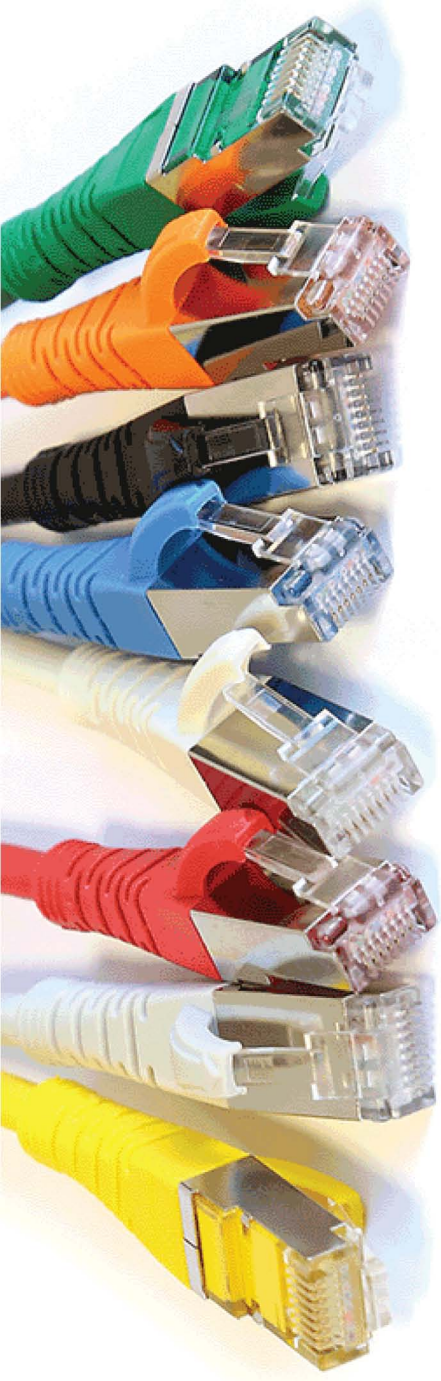
Horizontal Copper Cabling



The horizontal cabling system extends from the work area's telecommunications information outlet to the telecommunications room (TR) or telecommunications enclosure (TE). As shown in the figure below, horizontal cabling is usually installed in a star topology that connects each work area to the telecommunications room. It includes the telecommunications outlet, an optional consolidation point, horizontal cable, mechanical terminations and patch cords (or jumpers) located in the TR or TE.S

- **CAT6/CAT6A Cabling**
- **Termination and Labelling**
- **CAT6/CAT6A I/O Modules**
- **Testing (Fluke Testing)**

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Backbone (*Vertical*) Fiber Cabling

The backbone cabling is also called vertical cabling or wiring. It provides interconnection between telecommunication rooms, equipment rooms and entrance facilities. These backbone cablings typically are done from floor to floor to floor.

With the emerge of Gigabit Ethernet and 10 Gigabit Ethernet, fiber optic cable is the most appropriate choice for backbone cabling since they provide much higher bandwidth than traditional Cat5, Cat6 or even Cat7 twisted pair copper cables. Another advantage of fiber is that fibers can run much longer distance than copper cable, which makes them especially attractive for backbone cabling.

- **Fiber Cabling**
- **Termination (Splicing)**
- **Fiber Modules**
- **Testing (OTDR & OLTS)**

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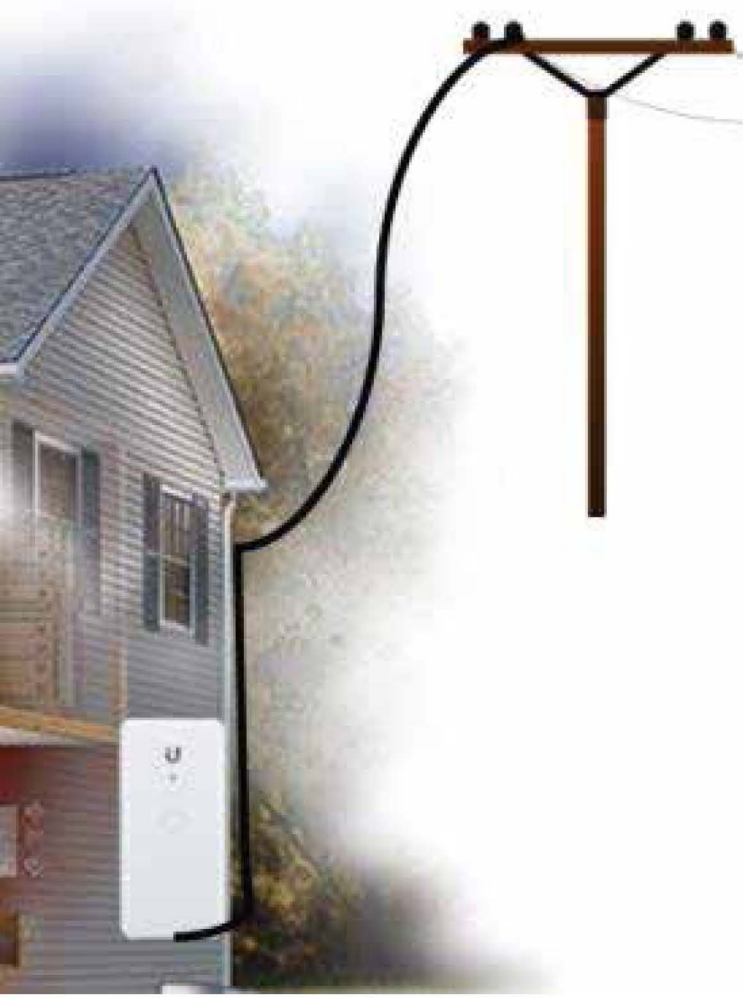
Fiber to the Home (FTTH)

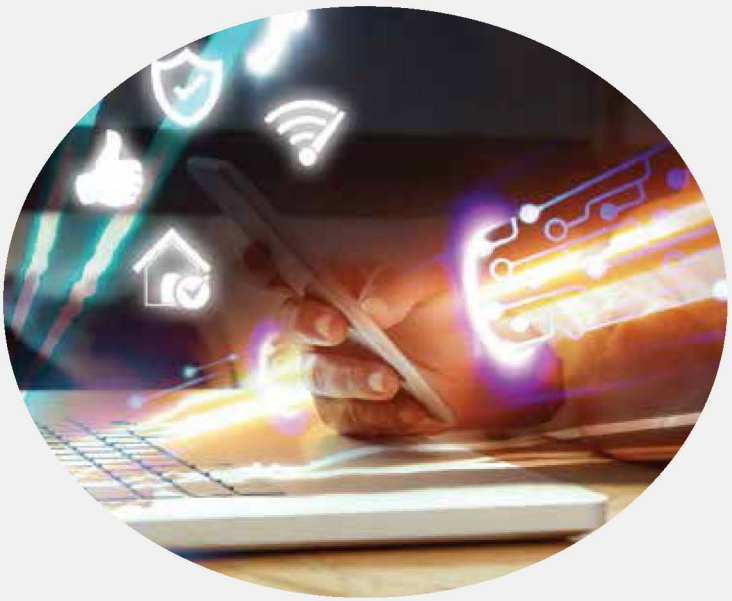


Fiber to the home (FTTH) is the delivery of a communications signal over optical fiber from the operator's switching equipment all the way to a home or business, thereby replacing existing copper infrastructure such as telephone wires and coaxial cable.

What does this mean?

This means super-fast internet, digital television and telephone services delivered to your home. Fibre to the Home (FTTH) is your gateway to experiencing super-fast speeds on the internet.

- **Enclosures**
- **Modules**
- **Labelling**



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Network Racks

Network cabinets or Network Racks are often confused for server cabinets. However, there is a difference. Network cabinets are generally used for the storage of routers, patch panels, switches and a wide variety of networking equipment as well as networking accessories. In most cases a network cabinet will be far shallower than a server rack cabinet, generally measuring in at less than thirty one inches deep. Networking cabinets will sometimes have glass or a strong plastic front door. Network cabinets also generally do not have perforated enclosures. The type of equipment generally housed in network cabinets does not generate the same amount of heat as that housed inside a server rack.

- **Cable Patching and Labelling**
- **Patch Panel Termination**
- **Cable Processing and Management**
- **Network Switch/Server Mounting**

CCTV Systems

CCTV relies on strategic placement of cameras, and observation of the camera's input on monitors somewhere. Because the cameras communicate with monitors and/or video recorders across private coaxial cable runs or wireless communication links, they gain the designation "closed-circuit" to indicate that access to their content is limited by design only to those able to see it.

The cables are just the wires that are used to connect different equipment like CCTV camera, monitor, recorders, modem etc. in a CCTV camera setup. For CCTV cameras, the cables used are either RJ45 or RJ59 cables. These cables, if RJ59, may include BNC connectors to connect camera to video output (such as Monitor), power connectors etc. As for a RJ45 cable, cat 5e or cat 6 cables are most frequently used in CCTV camera setup.

- **Mounting Poles and Pendant Brackets**
  - **Hot Dipped Galvanized**
  - **Powder Coated**
- **CCTV Installation, Focusing and Labelling**
- **DVR/NVR Configuration**

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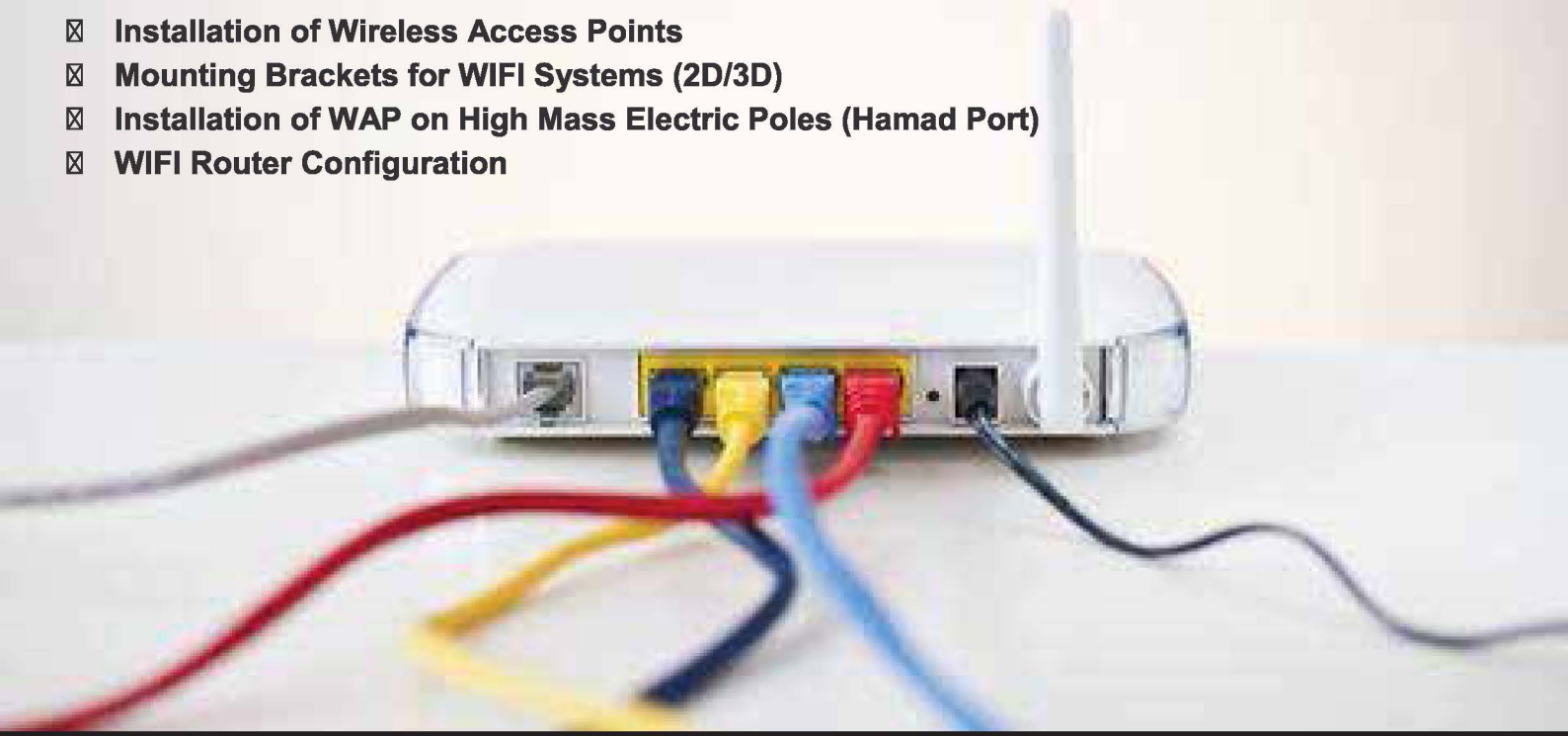
WIFI Systems

Although Wi-Fi is typically used to access the internet on portable devices like smartphones, tablets, or laptops, in actuality, Wi-Fi itself is used to connect to a router or other access point which in turn provides the internet access. Wi-Fi is a wireless connection to that device, not the internet itself. It also provides access to a local network of connected devices, which is why you can print pictures wirelessly or look at a video feed from Wi-Fi connected cameras with no need to be physically connected to them.

Instead of using wired connections like Ethernet, Wi-Fi uses radio waves to transmit information at specific frequencies, most typically at 2.4GHz and 5GHz, although there are many others used in more niche settings. Each frequency range has a number of channels which wireless devices can operate on, helping to spread the load so that individual devices don't see their signals crowded or interrupted by other traffic — although that does happen on busy networks.

- **Installation of Wireless Access Points**
- **Mounting Brackets for WIFI Systems (2D/3D)**
- **Installation of WAP on High Mass Electric Poles (Hamad Port)**
- **WIFI Router Configuration**



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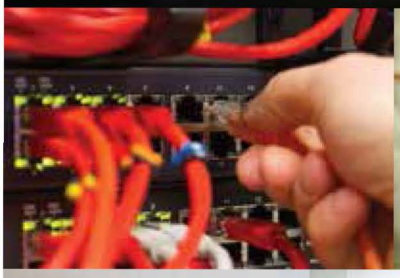
LV Electrical Works



Structured Wiring refers to the wiring and cabling infrastructure within your home that supports various digital technologies. From wiring required to support a simple service such as telephone, to a complex infrastructure required for routing concurrent high definition HDMI video streams from multiple sources to multiple TVs and projectors throughout your home, we have the expertise and experience to design and implement a low voltage wiring solution to achieve your objectives. In addition, our low voltage cabling designs will allow you to adopt new and emerging technologies as they become available in the future.

- **Electrical Cabling**
- **Distribution Box Dressing**
- **Switches and Socket Mounting**
- **Indoor and Outdoor Light Fixing**
- **Electrical Cable Termination**
- **Lightning Protection**
- **Rooftop Steel Fabrication, Tower Erection, Edge Protection and Earthing**

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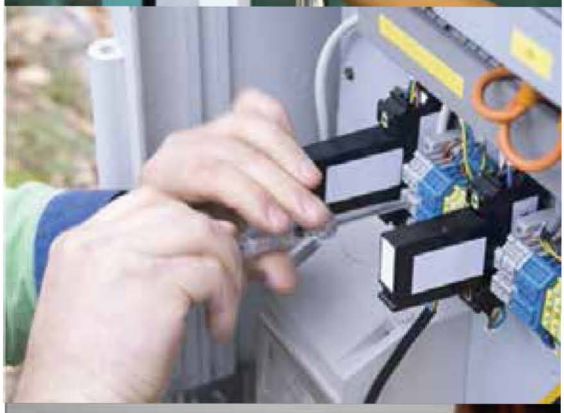
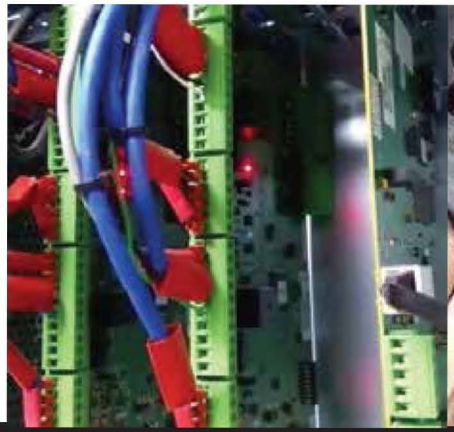
Access Control Systems

Access Control System recognizes authenticates and authorizes entry of a person to enter into the premise thereby giving complete protection ensuring security with the system.

Access control system provides security by giving flexible control over who is allowed to enter your premises. Access control system is one of the most common used system in electronic door control using a card or a magnetic stripe which can be accessed by swiping through a reader on the door. These access control systems are used for security purposes.



- **EM Locks Mounting**
- **Reader and Controller Installation**
- **Assembling and Configuring of Door Controllers**



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Data and Telecom Networks

Telecom network is one form of network, primarily aiming for providing various data communication services of a high public nature (phone, broadcasting, etc.). Telecom networks are typically owned and operated by telecom carriers; long haul, metro, and access networks generally belong to telecom networks.

Datacom network is another form of network, primarily aiming for providing a relatively private means of data communication [such as Local Area Network (LAN) and Storage Area Network (SAN)].

- **Switch and Router Configuration**
- **VPN Setup**
- **Firewall Configuration**
- **IP Telephony Setup**

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Project Management

- ERP
- Team of Managers/Engineers/Technicians
- Certified Technicians

Project management is the application of processes, methods, skills, knowledge and experience to achieve specific project objectives according to the project acceptance criteria within agreed parameters. Project management has final deliverables that are constrained to a finite timescale and budget.

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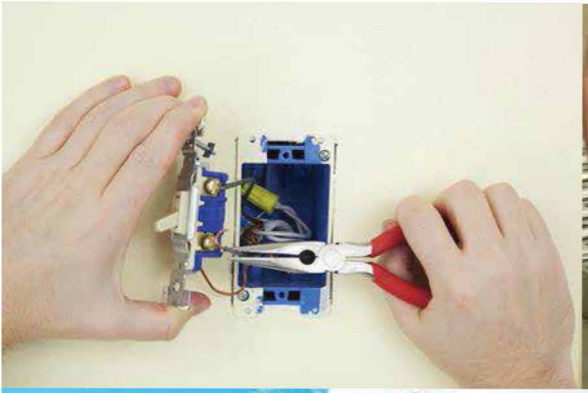
Other Civil Works

Dime Ennovations has a well experienced team to provide other civil works like galvanized iron trays, GI trunking and conduiting, PVC Conduits, Wall Chipping Cementing, foundation works for CCTV poles, etc. Our team is not only limited to above mention. We are exploring and going extra mile to provide the best services for our clients.

- **G.I. Trays**
- **G.I. Trunking and Conduiting**
- **PVC Conduits**
- **Wall Chipping and Cementing**
- **Foundation works for CCTV poles**
- **Excavation**
- **Plastering and painting for wall cracks**



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