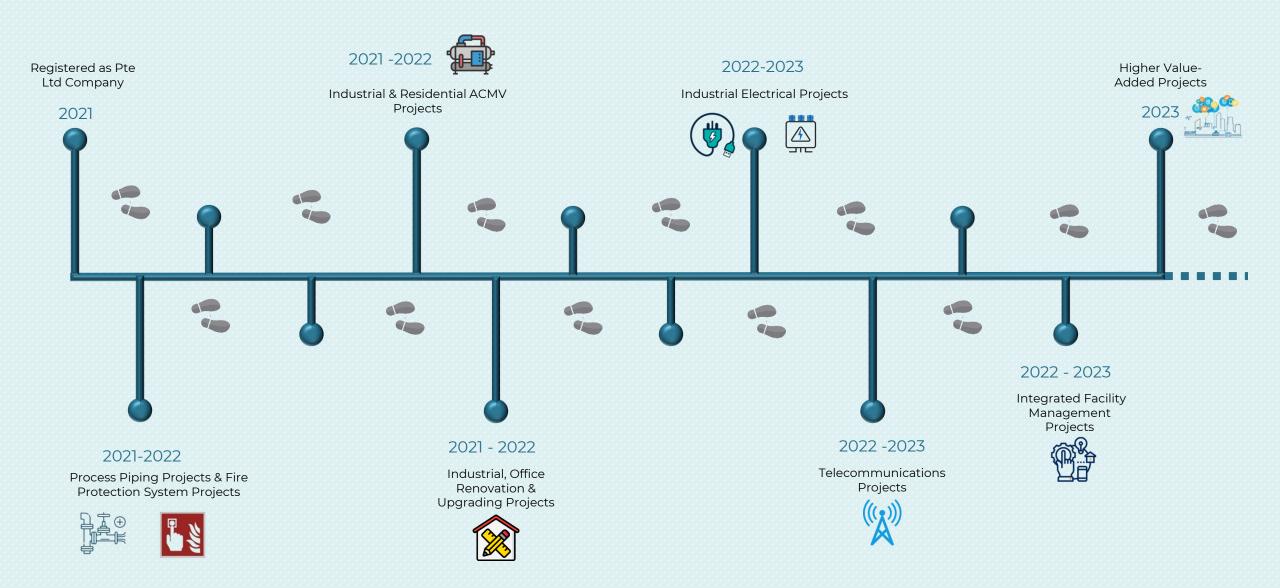
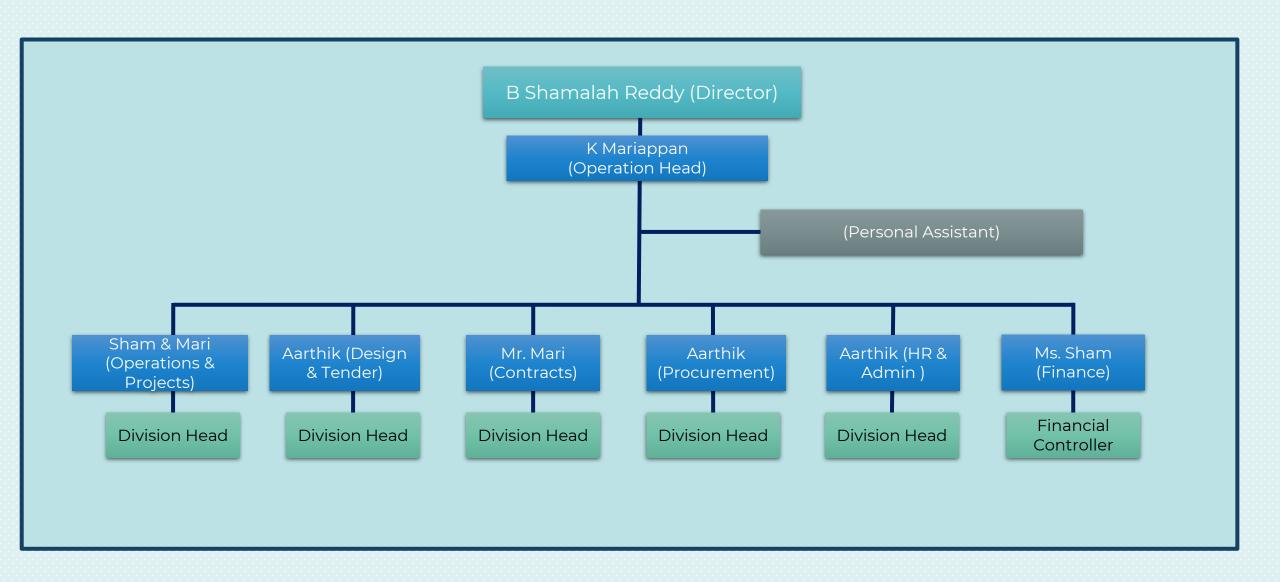


### COMMERCIAL JOURNEY

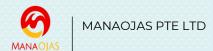


### **ORGANISATION CHART**



#### PRIMARY ACTIVITIES

A. FEASIBILITY STUDY PROJECT PREPARATION & INITIALISATION B. SITE SURVEY C. PROJECT INITIALISATION A. PRELIMINARY DESIGN PROJECT DESIGN 2 B. PROJECT APPROVAL C. PROJECT FINANCING A. PROCUREMENT & TENDER D. QUALITY CONTROL PROJECT IMPLEMENTATION 3 E. COST CONTROL B. CONTRACT NEGOTIATION & CONSTRUCTION C. CONSTRUCTIONS F. SCHEDULING A. PROJECT INSPECTIONS PROJECT DELIVERY 4 B. TESTING & COMMISSIONING C. OPERATIONS



### **BUSINESS INDUSTRIES**



Interior Design, General Building & A&A Works



Electrical & Instrumentation Design



Data Centre Design & Installations



High & Low Voltage Distribution System Design & Installations



Extra Low Voltage Distribution System Design & Installations



Process Piping Design & Installations



UPS & Emergency Power System



Airconditioning, Refrigeration & Cold Room System Design & Installations



Marine, Offshore & Refinery



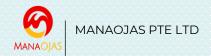
Telecommunications
System Design &
Installations



Fire Alarm & Protection System Design & Installations



Integrated Facility Management





## Electrical & Instrumentation Design

Highly skilled, knowledgeable, and experienced Electrical, Instrument, and Control Team. Worked extensively in design, specification, procurement, installation, commissioning and operations, and maintenance of Electrical System, Instrumentation & Control. Our achievement is based on working with the best personnel and using our best skills to design and implement plant instrumentation to meet the needs of our clients' requirements today and into the future.

Provide full design teams for huge projects, giving support from conception to construction completion. Alternatively, individual engineers/designers can undertake a smaller project or a few hours of engineering support.





#### Electrical Design & Installations



## High & Low Voltage Distribution System Design & Installations

System design is the process of fully designing the electrical & instrumentation system before beginning to place contracts for equipment order and construction. The design process can range from a simple single-line diagram with supporting notes up to complex packages that specify everything down to cable gland sizes.

The design process for a power system can vary enormously depending on the complexity of the power system and the existing site configuration. We take pride in our contribution.

The project & installation teams have managed challenging contracts that were completed to much satisfaction and recognition.













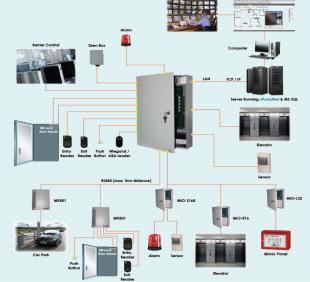


# Extra Low Voltage Distribution System Design & Installations

Extra-Low Voltage (ELV) means the voltage of the electricity supply is in a range that is low enough that it does not carry any high risk of any high voltage electrical shock(s).

The range of voltage that can be classified as Extra-Low Voltage is alternating current not exceeding 50 V AC and direct current not exceeding 120 V DC (ripple-free)

Examples of ELV systems are CCTV, Card Access System, and Public Address System.





#### Refrigeration Airconditioning System Design & Installations



## Chillers System Design & Installations

Fire alarm systems serve a simple purpose to spot fires early enough to allow for safe evacuation of personnel and, if possible, for a quick response to put the fire out. With the right fire detection system, the human and equipment costs due to damage can be significantly reduced

Properly installed and maintained smoke alarms are the best and least expensive means of providing an early warning of a potentially deadly fire and could reduce by almost half the risk of dying from a fire in the workplace





## Freezer Cold Room Design & Installation

The purpose of a telecommunication system is to exchange information among users of the system. This information exchange can take place in a variety of ways, for example, multiparty voice communications, television, electronic mail, and electronic message exchange.

This includes a wide range of information-transmitting technologies and communications infrastructures, such as wired phones, mobile devices, such as cellphones; microwave communications; fiber optics; satellites; radio and television broadcasting; the internet; and telegraphs.



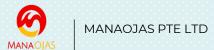




## Airconditioning System Design & Installation

A UPS can supply power to devices from a built-in battery for a given time during an instantaneous voltage drop or a power failure to protect devices and important data. There are two major classifications of UPSs: DC input/DC output models and AC input/AC output models.



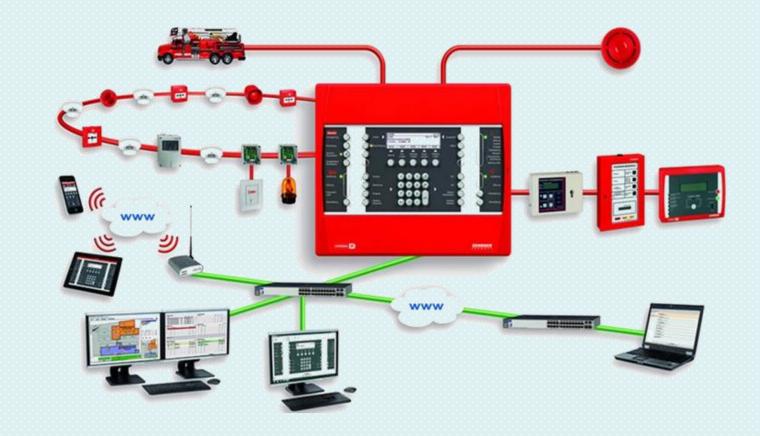




## Fire Alarm & Protection System Design & Installations

Fire alarm systems serve a simple purpose to spot fires early enough to allow for safe evacuation of personnel and, if possible, for a quick response to put the fire out. With the right fire detection system, the human and equipment costs due to damage can be significantly reduced

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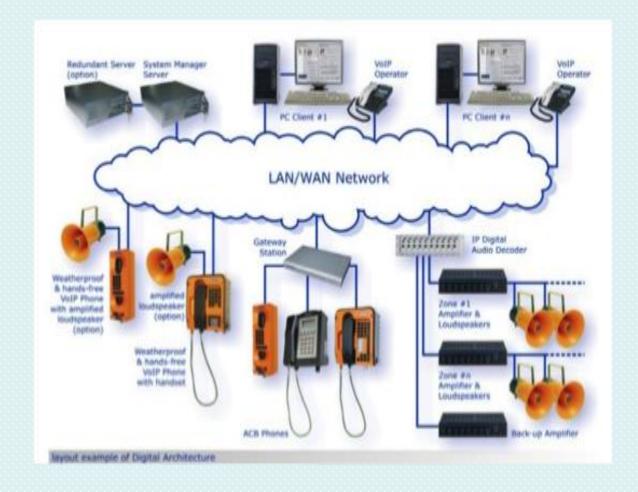


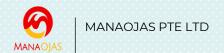
## Telecommunication System Design & Installation



The purpose of a telecommunication system is to exchange information among users of the system. This information exchange can take place in a variety of ways, for example, multiparty voice communications, television, electronic mail, and electronic message exchange.

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#### Process Piping Design



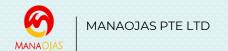
#### Process Piping Design & Installation

The field of process piping design involves moving substances that are used in industrial settings, either in production or in other processes. The field encompasses many different areas, including Computer-Aided Drafting and Design (CADD), electrical design, and plumbing.

Single source for process piping projects, we handle all aspects of the project life-cycle, including planning, fabrication, distribution, and installation, all under one roof

Complete process piping service and maintenance. we are committed to delivering process piping projects on time and on budget





### Marine Offshore & Refinery

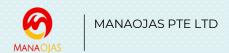


## Marine & Offshore and Refinery

Support service for the ship repair, shipbuilding, rig-building, and offshore engineering, as well as oilfield equipment manufacturing, and the building and chartering of offshore supply vessels

Support service for the refinery components repair and new installation works





## Integrated Facility Management (Hard Services)





Maintaining & Managing the properties and the system, equipment within.

Around-the-clock 24/7 services and personnel, and resources on standby for any emergency callout

Providing services with reasonable skill and care according to the relevant industry best practices.



Preventive

Maintenance



Breakdown























MANAOJAS PTE LTD

#### **CLIENTS**























































































**MANAOJAS** 

### **CLIENTS**











































