CELESTIAL TECH

Industrial Power Generation & Distribution Solutions

Sales:
01894-440152

Service:
01894-440152

Company Overview

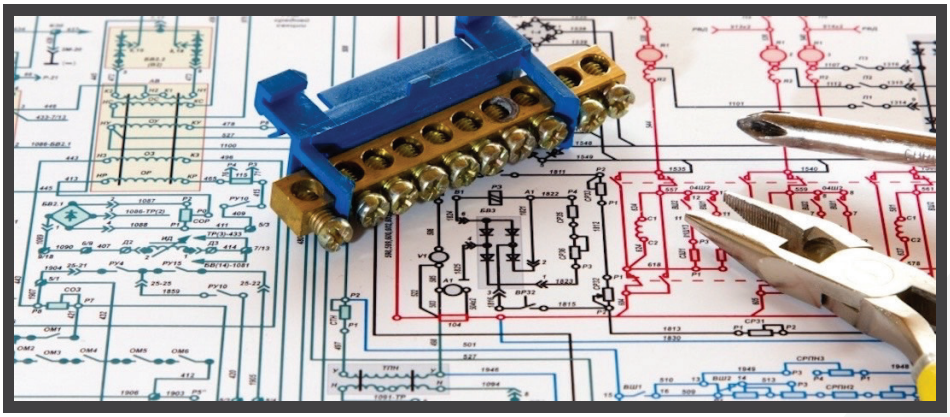
CELESTIAL TECH LIMITED is a trusted, family-owned provider of comprehensive engineering solutions, specializing in the marine and industrial sectors. With a commitment to innovation, quality, and customer satisfaction, we offer cutting-edge products and services designed to meet the unique needs of our clients.

In the marine industry, we proudly lead the way in Bangladesh, delivering a wide range of tailored solutions that include boat and ship design, high-quality construction materials, advanced propulsion systems, and reliable power generation, distribution, and lighting systems. Our expertise extends to state-of-the-art steering systems, deck machinery, pumps, and air conditioning solutions. Additionally, we provide complete equipment packages—covering everything from navigation and communication tools to lifesaving and firefighting equipment, as well as hydrographic, oceanographic, and meteorological instruments. For the fishing sector, we offer top-tier sonar and fish finders, ensuring your operations run smoothly and efficiently.

In the industrial sector, **CELESTIAL TECH LIMITED** is a key player in the decentralized power and energy market. We offer reliable diesel and gas-fired generator sets for both standby and continuous operations, ensuring your business stays powered when it matters most. Beyond power solutions, we specialize in high-performance industrial systems, including air compressors, air treatment technologies, filtration solutions, and dust collectors, all sourced from world-class manufacturers.

To back up our promise of reliability, we offer exceptional service support. Our team of factory-trained technicians is always ready to assist you with expert care, ensuring that any maintenance or repair needs are met promptly and professionally. Plus, we maintain a comprehensive inventory of spare parts, so you can rest easy knowing that the parts you need are always available, whenever you need them.

ELECTRICAL SYSTEM DESIGN



Our expertise includes the design of electrical systems, covering services such as load calculation, development of single-line diagrams, cable layout design, lighting calculation and layout design, as well as the preparation of Bill of Quantity (BOQ).

ELECTRICAL SWITCHBOARD

We specialize in the Design, Supply, Installation, and Commissioning of Low Voltage Switchgear across various ranges for marine, industrial, and residential applications. Our switchgear is manufactured using standard and genuine components, parts, and materials, ensuring compliance with industry standards and tailored to meet customer requirements.

SYNCHRONIZING PANEL

We offer synchronizing panels equipped with high-quality standard synchronizing components, ensuring reliable and efficient power management.

Key Features:

- **Standby Operation** - Ensures seamless backup power availability.
- **Isolated and Main Parallel Operation** - Supports both independent and parallel generator configurations.
- **Automatic Load Sharing** – Enables efficient distribution of load with automated start/stop functionality for connected generators.

POWER FACTOR IMPROVEMENT PANEL (PFI)

We offer the design, fabrication, and supply of customized Power Factor Improvement (PFI) panels. These panels are equipped with high-quality magnetic contactors, relays, MCCBs, and capacitors, ensuring optimal performance and efficiency.

AUTO TRANSFER SWITCH (ATS) PANEL

We design, fabricate, and supply both standard and customized Automatic Transfer Switch (ATS) panels, ensuring reliable and seamless power transfer.

Key Features:

- **Mechanical or Electrical Interlocking** – Integrated with magnetic contactors, MCCBs, ACBs, & VCBs for enhanced safety & performance.
- **Manual Override Control** – Allows manual operation when needed.
- **Optional Features** – Includes automatic start and auto changeover for improved efficiency and convenience.

METERING PANEL

The design, fabrication, and supply of both standard and customized electrical metering panels are carried out to ensure accurate monitoring and efficient power management.

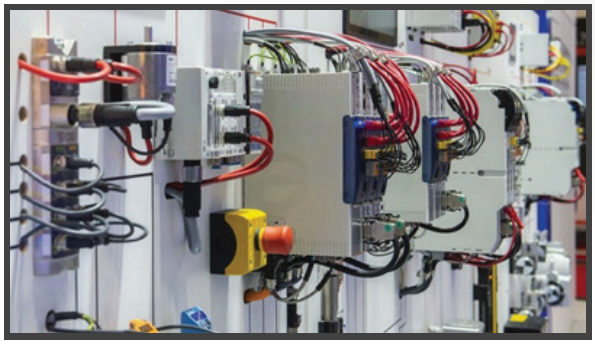
MOTOR CONTROL CENTER

A Motor Control Center (MCC) consists of multiple enclosed sections sharing a common bus bar, with each section housing a combination of high-quality starters. Each starter includes a motor starter, circuit breaker, and, if required, a Variable Frequency Drive (VFD) to ensure efficient motor control and protection.

MOTOR STARTER

We design and fabricate various types of electrical motor starters (Star-Delta, Forward -Reverse and Direct On-Line with local and remote operational functionality.)

CONTROL & AUTOMATION (VFD & PLC)



The design, supply, installation, and commissioning of various system control and automation solutions are provided, incorporating Variable Frequency Drives (VFDs) and Programmable Logic Controllers (PLCs) for enhanced efficiency and precision.

BATTERY CHARGER

We are proud to offer high-quality battery charger of European origin.

Key Features:

- A powerful charger designed to be compatible with all types of batteries.
- Equipped with three independent outputs, allowing the simultaneous charging of multiple battery banks.
- Universal single-phase input, supporting a wide voltage range of 90-265 VAC and a frequency of 50-60 Hz, ensuring full power operation.

GENERATOR

We offer the supply, installation, and testing/trial services for industrial generators. Our generators are available in a range of ratings, from 9 KVA to 2500 KVA.

SPARES

We supply a wide range of genuine spare parts for Volvo Penta and other engine brands.

CELESTIAL TECH

WE REPRESENT

Navigation & Communication

SAAB · ICOM · SIMRAD · SAFRAN · LOWRANCE

Propulsion System

HamiltonJet · MERCURY · VOLVO PENTA

Marine Air Conditioner

DOMETIC — Mobile living made easy.

Engine

VOLVO PENTA · Solé Diesel · MERCURY

Generator

VOLVO PENTA · Solé Diesel · PRAMAC · KHNAYSSER GROUP

Deck Machineries

FLUIDMECANICA®

Boats and Yachts

BAYLINER · SAFE BOATS

Fishing Products

ICOM · KAIJO · MARPORT · LOWRANCE · jmc · HONDA ELECTRONICS

Marine Compressor

Sauer Compressors

Industrial Compressor

Sauer Compressors · ies AIR COMPRESSOR

Ship / Boat Design

ROBERT ALLAN · GLOBAL MARINE DESIGN · BOKSA MARINE DESIGN · teknicraft design

Marine Pumps

GIANNESCHI pumps and blowers

Hydrography, Oceanography & Meteorology

NORBIT · KLEIN A MIND Technology Business · Hemisphere · NORTEK · MAXAR TECHNOLOGIES · KNUDSEN

BUSINESS, ADMINISTRATRATIVE & CONTACT DETAILS

Business Name : CELESTIAL TECH LIMITED
Company Registration no : C-87213/10

Corporate Office:

95 Sohrawardy Avenue, 3rd Floor, Block-K,
Baridhara, Dhaka-1212, Bangladesh
Enquiry: +88 02 41080735-8
Fax: +88 02 41080739

Chattogram Office & Service Center:

131/1, 156 Strand Road, Chattogram-4100
Enquiry: +88 023 33317323
+88 023 33318647
+88 023 33314840

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enquiry@celestial-tech.net **www.celestial-tech.net**