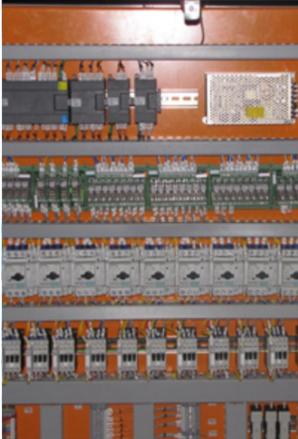


automation process



## SERVICES

Field Automation

Maintenance Services

Electrical Panel Manufacturing

Customize machine Development

## Automation Related Products:

PLC (Programmable Logic Controller)

HMI (Human Machine Interface)

VFD (Variable Frequency Drive)

Servo Motor & drive

Timer

Counter

Push buttons

Light indicators

SMPS, DIN RAIL mount power supply

Relay, Solid State Relay

Flow meters

Encoder

## Temperature:

All types of RTD, Thermocouple Sensors

Temperature Transmitter

## Converters:

RS232 to RS485 Converter

Serial Interface Converter

Ethernet to Serial Converter

## Sensors:

Photoelectric switch

Inductive Proximity switch



## Automation Solution

- PLC, HMI, SCADA Systems. [Allen Bradly, Schneider, Mitsubishi, Siemens]
- We specialized in designing & building of OEM control panels.
- We provide technical service including automation troubleshooting, system analysis, testing and support, system integration, field service commissioning, control & monitoring.
- Control panel design & manufacturing with PLC as well as relay and timer based.
- Customized solution in SCADA system development and data acquisition solution.
- Complete solution in motion technology and trio motion technology.
- We also provide VFD, stepper motor and servo motor with drive.
- Provide small instrument panel and electrical panel as per application.
- We also provide converters like RS232 to RS45, Ethernet to RS485, Signal repeater, USB to RS232/RS485.
- Complete solution in Process automation.



## Maintenance Services

- We provide complete plant maintenance service with proper solution as well as man power.
- We take ARM/AMC for routine maintenance services.
- Provide Erection & Commissioning services with provision of man power for turnkey projects.
- Co-ordinate with vender for electrical component & instrument selection, supply and complete installation as per client requirement.
- We also provide Onsite Technical Services.



## Intelligent Motor Control Centers (IMCC)



The network communication challenges revealed a need to integrate the three major system components: the communications, the hardware, and the software. These next generations, integrated, intelligent MCCs are current technology. The design streamlines installation, set-up, and changes; delivers real-time monitoring of the MCC and easily integrates into a facility-wide network.

## MCC (Motor Control Centers)



Motor Control Centers are suitable for operation of motors ranging from 0.5HP to 500 HP ratings. Motor control center contains various types of starting viz. Direct on line (DOL), Star- Delta, autotransformer, Soft starter etc. Local and remote operation facility, IMCC compatible to PLC/DCS based operation. Motor Control Center is properly ventilated in case of higher size of motor starter.

Component layout is made to facilitate ease of operation and maintenance. This control panel is designed as per the latest technological advancements by our experts using premium quality.

components and advanced technology. Our MCC Panels are easy to use, low maintenance, and have a high degree of efficiency.

## VFD Panels



The VFD Panel (Variable Frequency drive panel) also known as VFD Control Panel are designed to control the speed of electric motor and feed pump. They are widely used in drilling, pumping and other large machine applications. The VFD panels are widely used in extruder plants, rolling mills, paper mills, tube mills, cable industries and CTL line.

## PCC (Power Control Centers)

Power Control Centers is used for distribution and control of various power sources used in industry. Normally Power Control Centers are installed near power source hence the fault level is high. Panels are designed to withstand a fault level up to 80 KA for 1 sec. Bus bar system in Power Control Centers are designed to suit the fault level as well as temperature rise up to 40°C above ambient. Ample space is provided for cable termination. Various protections viz short circuit; overload, earth fault, under voltage etc. are provided to protect the source and the equipment.



## Power Distribution Panels

Power Distribution Panels are used for distribution of power on down streams. They are required in case of high concentration of loads other than motor starters. Advantage of using Power Distribution Panel is to clear fault locally hence it does not affect Upstream Switchgear



## Automatic Power Factor Improvement Systems

- We provide complete plant maintenance service with proper solution as well as man power.
- We take ARM/AMC for routine maintenance services.
- Provide Erection & Commissioning services with provision of man power for turnkey projects.
- Co-ordinate with vender for electrical component & instrument selection, supply and complete installation as per client requirement.
- We also provide Onsite Technical Services.



## Flame Proof Panel



Flame-proof panels are mostly used in the place where concentration of flammable gases vapors or dust occurs. Electrical equipment that must be installed in such conditions is specially designed with flame proof enclosure to ensure it does not initiate an explosion due to arcing contacts or high surface temperature of instrument.

## Test bench panel



The Main purpose of this panel is to Test Instrument like single phase three phase motor, thyristors transformers, various parameters like current, voltage, resistances etc. Acting as a 24 Vdc power supply, DOL(direct online starter) starter, star delta starter, Radical calibrator, multimeter, variac, 110V DC supply, etc.

## Electrical Contracting Service

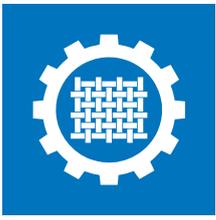


The execution of electrical contracts involves two parts, one is the supply of electrical material and another is the construction and erection.

We provide all types of Electrical & related services to our clients starting from L.T. Electrical Installations, Industrial wiring, Electrical Designing, Lessoning Work, Trading, Annual Maintenance Contracts, Repairs and Manufacturers of Electrical Control Panels.

We provides arc for circuit breaker testing and services

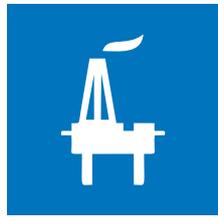
# OUR SERVICE SECTOR



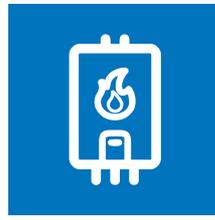
TEXTILE



CHEMICAL



OIL & GAS



BOILER



FOOD



PHARMACEUTICAL



WASTEWATER

## Our Valuable Customers

# SIEMENS

*Ingenuity for life*



# Schneider Electric

# Godrej agrovet

brighter farming



# SEP



# SHIVAM LAB GLASS



# Avity



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