

## **COMPANY PROFILE OF SINWAVE AUTOMATION & ELECTRICAL WORKS PVT. LTD. (AN ISO 9001:2015 CERTIFIED COMPANY)**



**SINWAVE AUOMATION &  
ELECTRICAL WORKS PVT. LTD.  
B-65, SATYAJIT PARK, KALITALA  
(WEST), BANSDRONI, KOLKATA-70  
Visit Us: [www.sinwave.co.in](http://www.sinwave.co.in)**



## Company Overview:

Established at Kolkata, West Bengal, India, we "Sin Wave Automation & electrical works Pvt. Ltd.," are a well-trusted name in the field of offering customized end-to-end solutions for all types of **Electrical based Industrial Automation requirements**. This includes meeting the manufacturing demands of products like PLC Panel, Drive Panel, Electrical Enclosures and MCC Panels etc. We also execute Turnkey Electrical Projects including erection Commissioning of projects.

We hold expertise in successfully carrying out automation projects for various organizations that are backed with flawless as well as timely delivery of all projects. Further, all our services can also be customized to best suit customer's requirements by taking into account detailed specifications while conducting planning as well as designing for the solutions. Our services are also well sought after by reputed organizations for meeting their demands of all kinds of **Up gradation, Automation as well as Redesigning of Industrial Systems**.

## Background and Development:

With our **Technical Director, Mr. Arijit Dasgupta**, who has twenty two years industrial experience and experienced Engineers team we offered all kind of :

- **HMI Programming.**
- **PLC and DCS Programming.**
- **Servo Drives Commissioning.**
- **Developing screens for SCADA software.**
- **Supply & Commissioning Variable Frequency Drives.**
- **Electrical MCC Panel & PDB & Capacitor panels.**
- **All kind of Industrial Instrumentations.**
- **All kind of close loop control systems.**
- **System design.**
- **Machine layout.**
- **Special kind of machine designing and manufacturing.**

## Fact Sheet:

<b>Year of Establishment</b>	<ul style="list-style-type: none"><li>• 2009</li></ul>
<b>Legal status of Firm</b>	<ul style="list-style-type: none"><li>• Limited Liability/Corporation (Privately Held)</li></ul>
<b>Turnover</b>	<ul style="list-style-type: none"><li>• Up to Rs. 10 Cr. Approx.</li></ul>
<b>Nature of Business</b>	<ul style="list-style-type: none"><li>• Project &amp; Service Provide</li><li>• Trader</li></ul>

### Present Conditions:

Today, backed by rich industry experience, we have also gained expertise in successfully carrying out services for **Onsite Testing & Commissioning, Equipment Supply & Installation, Upgrading & Retrofitting of Machines, Conducting Training programs on PLC's, Drives, SCADA, HMI** and others. Other than this, we also provide customers complete **Operations & Maintenance Training, Interfacing Machine with operation & Instruction Manuals.**

### Workforce:

Nearly 20 employees are employed in our company and the number is expected to increase in the coming years.

### Application Areas:

Our services have been effectively utilized by large number of global organizations who are involved in industrial & engineering sector. Getting benefited with high quality scalable solutions provided by us, the areas where services offered by us have been employed include:

- ❖ Automation of conventional machine into more advanced ones
- ❖ Up gradation of existing PLC based machines as per latest state-of-art technology
- ❖ Outsourcing of Wiring/PLC development/ Electrical Design/HMI screen development/SCADA System Development/Erection/Commissioning/Application prove-out by OEM firms who are producing PLC based machines



**MCC Compartmental Panel**



## Service Portfolio:

We hold expertise in integrating systems using HMI, PLC, SCADA, Servo Motors, Servo Drives as well as Weld controllers that are sourced from leading OEMs. Our customized solutions are made available for meeting a wide array of Industrial Automation requirements. Further, our end-to-end solutions cover the complete life cycle comprising of designing, developing, testing as well as deploying the solutions.

## The various services offered by us include:

PLC Programming	Human Machine Interface (HMI) Programming
Communication type: Modbus, Ethernet, Device net, Control net, RS232, RS485.	Weighing system with load cell controller
Commissioning Servo Drives	Commissioning Variable Frequency Drives
Developing Screens and Programming SCADA Software	PLC Machine Interface, Commissioning and Programming
Control Panel / MCC Panel Design	Equipment Supply and Installation
Onsite Testing & Commissioning	Upgrading & Retrofitting of Machines
Training programs on PLC's, Drives, SCADA, HMI etc.	Provide Operations & Maintenance Training
Preparing Operation & instruction Manuals	Designing Electrical Schematics, Panel & Machine Layouts, and preparing BOM's

## Product Portfolio:

In addition to the wide range of industrial automation services delivered, we also hold expertise in manufacturing and supplying of various electrical enclosures / MCC / PCC panels.

### **The products that are manufactured by us are:**

- ❖ Electrical Enclosures
- ❖ MCC Panels
- ❖ Drive & PLC Panel
- ❖ PDB Panel
- ❖ Control Desk type Panel for SCADA applications.

## Quality Assurance:

We have with us great proficiency as well as capabilities in the field of Industrial Automation. Backed by years of experience, we have successfully developed reputation for consistently delivering accurate solutions to our customers. Our clients are leaders in their fields of operations and demand excellence in all their products that is successfully met by us.



PLC Panel

### *We Expertise In:*

Backed by a team of highly qualified and skilled personnel we are successfully able to meet the in-hand automation requirements of different industrial units. The team working with us has with them extensive experience in the following areas:



Drive Panel

- Design, Fabrication and Supply of MCC / Control panels as per customer's requirements
- PLC programming including development of PLC programs that are specific to client's requirement and is easy for any future upgrades/maintenance by using PLC's of Allen Bradley Siemens, Mitsubishi.
- We expertise in offering SCADA that successfully meets the development of various process monitoring solutions by using PLC's of Allen Bradley, Siemens, ABB.
- We expertise in offering HMI solutions that include development of user friendly UI using PLC's of Mitsubishi, Siemens, Allen Bradley.
- We also offer Servo Motor & Servo Drive tuning services of PLC are offered by Allen Bradley, Rexroth.

### *Some of our working fields :*

- **Car Parking Ventilation**
- **Oil & Bitumen Industries**
- **Steel Industries**
- **Oil & Lubricant Plant**
- **Emulsion**
- **RO System**



- **Food Industries**
- **Detergent & Soap Industries**
- **Wet Processing equipment for quarries, mines & recycling operations**

*List of customers:*

Programming & Commissioning Dry Mix System, Level Measuring, Weighing Control System, Temperature Control System.	HINDUSTAN UNILEVER LIMITED (HALDIA)
Programming & Commissioning of various type of PLC panel. Level Measuring, Weighing Control System Temperature Control System.	HINDUSTAN UNILEVER LIMITED (GARDENRICH)
Programming, Commissioning, Automation of Bar Plant.	CHEMEX DETERGENTS & BAR PLANT (MOGRA), 3 <sup>rd</sup> PARTY OF HINDUSTAN UNILEVER LIMITED.
Programming & Commissioning DAP Bagging System. Conveyor System.	TATA CHEMICAL LIMITED (HALDIA)
Design, Panel Manufacturing, Programming & Commissioning of Car Parking Ventilation System	AIROVIENT FANS & SYSTEMS PVT. LTD.
Design, Panel Manufacturing & Commissioning of Automated Bitumen Filling Plant	BABA CONTAINER & ENERGON PETROTECH PVT. LTD. (VIZAG & MUMBAI), 3 <sup>RD</sup> PARTY OF HPCL
Automated Lubrication System	PRAKASH LUBRICANTS (ORISSA)
Automatic Pre curling machine, Bitumen Filling Plant	BALMER LAWRIE(KOLKATA) 3 <sup>RD</sup> PARTY OF HALDIA PETROCHEMICALS
Programming & Commissioning Ammonia Storage System.	SANJANA CRYJONICK LIMITED (HALDIA)
Programming & Commissioning Power management System with Network.	HOOGLY METCOCK AND TATA POWER COMPANY LIMITED (HALDIA)
Programming & Commissioning Water Pumping Station.	KOLKATA CORPORATION & VOLTAS(BALLYGUNG & MOMINPUR)
Programming & Commissioning Gear Cutting Machine.	NEW ALLENBERY WORKS (KOLKATA)
Programming & Commissioning Farness System	NASKAR & COMPANY (KOLKATA)
Programming & Commissioning Lift Operating System	IBIJI COMPANY (KOLKATA)
Programming & Commissioning Immersion And CRMB Plant, Solid & Liquid Flow Measurement, Temperature Control.	TINNA OVERSIES LIMITED, DELHI
Design, Manufacture & Commissioning of MCC Panel for Bitumen Plant.	SAPCO BITUMIN CO. LTD, ULUBARIA

Poultry Feed Automation & Counting System.	J.K. Industries.
Bitumen industries	Tanya Industries Ltd.
Indian Explosives	Indian Explosive Ltd., Gomia, BOKARO.
Panel Manufacture & Commissioning of PLC panel	Chillmek Engineering Pvt. Ltd.
Hydro Pressure Maintaining System with PLC	Fluid Energy System Pvt. Ltd.
Sand Washing System with PLC logic up to 70 TPH.	CDE Asia Ltd.
Jute Industries Automation with PLC Logic	Gloster Ltd.
Automated Poultry Industries with PLC Logic	Jupiter Commosale Pvt.Ltd

Further, our automation solutions also help customers by improving productivity as well as reducing operational costs. Our team of professionals is best available in the domain and work dedicated towards using innovative approach and providing quality solutions.

### Projects Completed:

Since 8 years, we have successfully developed competency in delivering variety of automation systems. Further, the projects handled by us are also highly customized as well as are scalable to meet needs as well as requirements of various clients.

### USP of SINWAVE :

**Some of our strong points that help us in successfully establishing our position in the market include:**

- Consistent high quality deliverables
- Timely completion of projects
- Complete value for money
- Efficient customer care support
- Ease of maintenance.

### CONTACT DETAILS:

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PLC & VFD PANEL



SCADA CONTROL PANEL



CONTROL PANEL



STARTER BOX



FILLING CONTROL BOX



VFD PANEL



STARTER BOX



FILLING CONTROL BOX



VFD PANEL