



**SOLUTIONS THAT
PUT YOU IN COMMAND**

OUR COMMITMENT

Our experienced engineers are committed to provide quality professional services and cost effective solutions for every of our valued customer.

OUR MISSION

- Most Preferred OEM System Partner
- One Complete Industrial Solutions Provider





OUR COMPANY

CSIS Industries Pte Ltd was incorporated in Singapore on 26th January 2000 as a reliable system integrator to provide control system, Human-Machine-Interface (HMI) and package industrial plant operating system. Our company was founded on the principle of adopting the right people, right attitude and the right equipment.

CSIS Industries Pte Ltd has over 15 years of established experience and technical knowledge amongst its key personnel. Production volume of 50 systems per year is within our capacity. We are dedicated to stay competitive and be the forerunner in this industry for a long haul, in order to provide quality service to our existing customers, new customers and potential customers like yourself.

Due to our successful completion of projects and good working relationships with our OEMs, suppliers, distributors, contractors and customers, we are expanding our company's business by engaging more technicians and engineers to meet the growing demands of our product and services.

There is no control system that cannot be implemented. Throw us a challenge by approaching us to solve your control system needs.



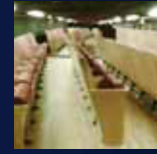
**MARINE
& OFFSHORE**

**HMI & PLC
SYSTEM
INTEGRATION**

**INSTRUMENTATION
& CONTROL
ENGINEERING**

**CONCRETE, ASPHALT
& CRUSHER PLANTS**

OUR CORE COMPETENCY

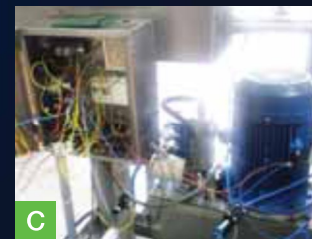


We provide electrical and control system package in various batching control in a variety of industries such as Concrete, Asphalt & Crusher Plants, Industrial Gas Plants, Piping Works, Marine & Offshore, Oil & Gas, Paint Mixing Plants, Theatrical Stages and Wastewater Treatment Industries, etc.

From these variety of industries shown in the photos on this page, we have successfully completed the following control systems for our satisfied customers:

- Concrete and Asphalt Batching Plant Control System
- Crusher Plant Control System
- Drum Mixing Asphalt Plant Control System
- Gas Pipe Temperature Control System
- HMI for Powder Conveying Control System
- Marine Control System
- Offshore and Hazardous Environment Control Panel
- Paint Batching and Mixing Control System
- Pipe Drilling Positioning Control System
- Pipe Laying Mooring Winch Control System
- Theatre Control System

CUSTOMISING YOUR NEEDS



When customers have difficulties finding a reliable electrical control integrator that is able to execute their personal customised requirements, we are referred to solve their problems and turn their aspired designed equipment into working realities.

- (A) Mini Crane Hoisting Marble Polishing System
- (B) Mixer Pedal Design and Fabrication
- (C) Ice Kachang Motor-Hydraulic-Pneumatic-Electrical System
- (D) Batch Filling Machine

4 ASSEMBLED
COMMAND CENTRE

3 FABRICATION
OF PANELS

2 DRAWINGS BY OUR
DESIGN TEAM

OUR SERVICES

MECHANICAL ENGINEERING

- Structural calculation
- ASME design and consultancy

ELECTRICAL ENGINEERING

- Low voltage electrical system design and engineering
- DOL, star / delta, auto transformers and soft starters for 3 phase / single phase motors
- DC servo motor controls
- AC inverter motor controls

INSTRUMENTATION AND CONTROLS

- Pressure, flow or temperature controls
- Position and speed controls
- Process monitoring and control

5 TESTING & FACTORY
ACCEPTANCE TEST (FAT)

6 SITE
COMMISSIONING



SOLUTION PROVIDER DESIGN CYCLE

1 CUSTOMER'S
INPUT

HUMAN MACHINE INTERFACE (HMI) PROGRAMMING

- Computer based HMI software development
 - In-house developed HMI programming using Visual Basic
 - Other SCADA programming softwares

- Industrial touch panels

PLC PROGRAMMING

- Specialised in Allen Bradley, ABB, Modicon, Wago, Siemens, Panasonic, Omron, etc
- Other brands upon request

SWITCHBOARD DESIGN AND FABRICATION

- Electrical panel fabrication, wiring and testing
- Components recommendation to meet cost and requirements

HAZARDOUS ENVIRONMENT PANEL DESIGN AND FABRICATION

- ATEX compliant Ex-proof panel design and fabrication
- Offshore and marine switchboard meeting ABS / DNV requirements



MONITOR
OPERATE
CONTROL
SUPPORT

SOLUTIONS FOR YOUR NEEDS

Undertaking turnkey projects from general industries and specialised industries such as asphalt plants, crusher plants, industrial gas plants, piping works, marine and offshore, oil and gas, paint mixing plants, theatrical stages and wastewater treatment processes, our engineers will handle the initial design phase, engineering drawing, software and hardware development, electrical panel and wiring fabrication to the final phase of installation and commissioning.

Our in-house developed Human Machine Interface provides a cost effective and expandable solution for increasingly important human interaction with machine through computers, mimics or touch monitors. Together with virtually unlimited PC based data collection and remote monitoring, ensure that we can fulfill all our customers' requirements and deliveries.



Touch Monitor



Electrical Educational
Teaching Kit

We are also involved in smaller customised projects that will solve our customers' electrical, control, automation, instrumentation and computer interfacing needs from mixer pedal design and fabrication, batch filling machine, asphalt plant upgrade kit, electrical educational teaching kits for schools and institutions, PID speed controller box, shaft generator system manual indication panel, mini crane hoisting marble polishing system to ice kachang motor-hydraulic-pneumatic-electrical system, etc.

REFERENCE PROJECTS

■ ASPHALT BATCHING PLANTS



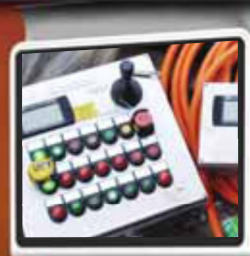
Designed, fabricated, assembled, tested and commissioned more than 100 asphalt batching plant control systems for the past 5 years in China, Cambodia, India, Indonesia, Malaysia & Middle East, etc.

■ MOORING WINCH CONTROL IN PIPE LAYING BARGE



Vast experience in marine and offshore projects that consist of mooring winch control for pipe laying barge, gantry crane controls, jack up barge controls and pump starters. By studying our customer's as-built drawings, we can integrate our automation system for any upgrading or retrofitting job.

■ OFFSHORE AND HAZARDOUS ENVIRONMENT CONTROL PANEL



We provide hazardous panel design and fabrication, ATEX compliant Ex-proof enclosures and components and also provide offshore and marine switchboards that meet ABS / DNV requirements.

REFERENCE PROJECTS

■ GAS PIPE TEMPERATURE CONTROL



Our gas pipe temperature monitoring systems were installed in gas plants in Egypt and Singapore. Being able to monitor gas leaks, temperature fluctuations and recording of time-stamping and error logs in the database, plant owners can now achieve maximum output and efficiency for their gas plant operations.

■ PAINT BATCHING AND MIXING CONTROL



By formulating the correct speed feed and batch mixing of the paint, the paint manufacturing plants that we have incorporated our automation systems are now enjoying the flexibility of adding different composition of paints to produce the whole spectrum of colour paint with consistent homogenisation.

■ CRUSHER PLANTS



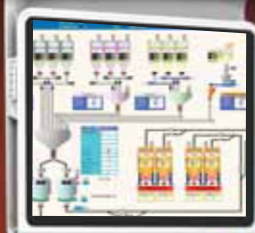
A crusher plant has to produce high yield by controlling sequentially the crushers, feeders, screens, washers and conveyor belts with minimal maintenance costs. Our control system is designed to achieve this purpose and benefit.

■ PIPE DRILLING POSITIONING CONTROL



We have implemented pipe drilling positioning control systems for one of our customers in Singapore. By entering the drilling positions into our PLC control logic, automated positional drilling can be performed with accurate precision. LCD monitors will guide the operators to carry out the pipe drilling works successfully.

■ HMI FOR POWDER CONVEYING



With our customised human-machine-interface (HMI) program, our customers in the powder conveying industries in China and Singapore can now monitor and control visually and make calculated changes to affect the amount, speed, frequency, batching and mixing of key ingredients into their industrial processes.

■ THEATRE PROJECTS



CSIS Industries has delivered theatrical stage control for several establishments and institutions in Singapore. With implementation of stage, curtains, lights and doors control monitoring systems into our electrical and PLC designed cabinet, the theatrical show will go on smoothly to achieve overwhelming applause from the audience.



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