

INDUSTRIAL AUTOMATION DIVISION

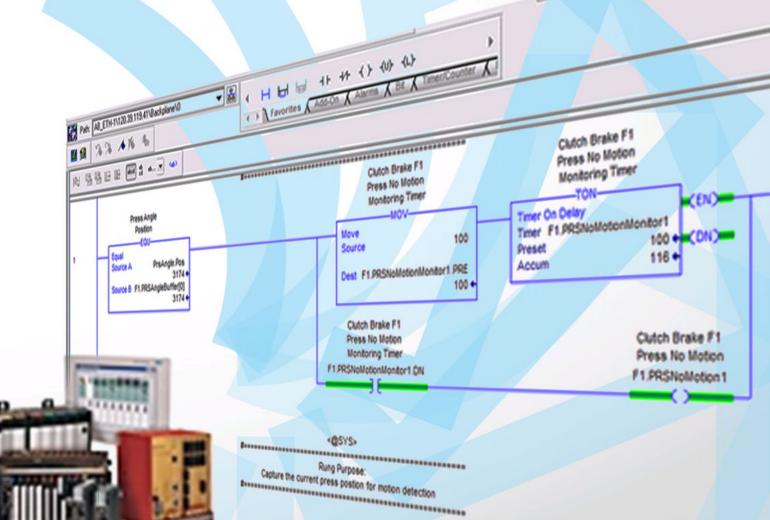
### PLC PROGRAMMING



Press Angle Buffer

We work with the leading brands:

- Allen Bradley
- Siemens
- Mitsubishi
- Koyo



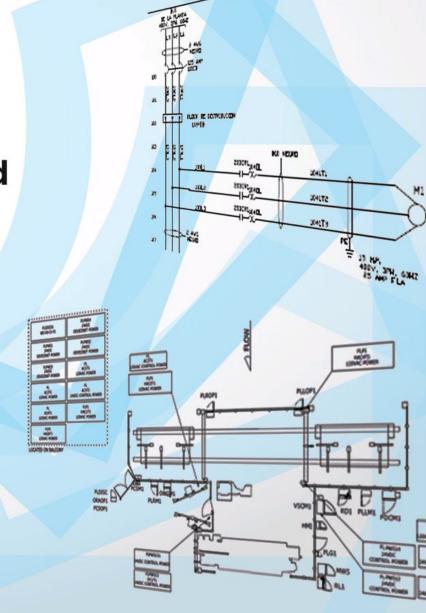
### ELECTRIC DIAGRAMS (POWER & CONTROL)



We make your electrical diagrams (power and control) under specified standards and international regulations.

Update of electrical diagrams based on field checks.

If you don't have the electrical diagrams of your machine we perform a field check and deliver the diagrams to you in electronic format to facilitate maintenance and future modifications to your machine.



# HMI DESIGN AND PROGRAMMING



We design and program Human-Machine Interfaces (HMIs) for monitoring and operation of your machine in an operator friendly and understandable way.



### INDUSTRIAL NETWORKS

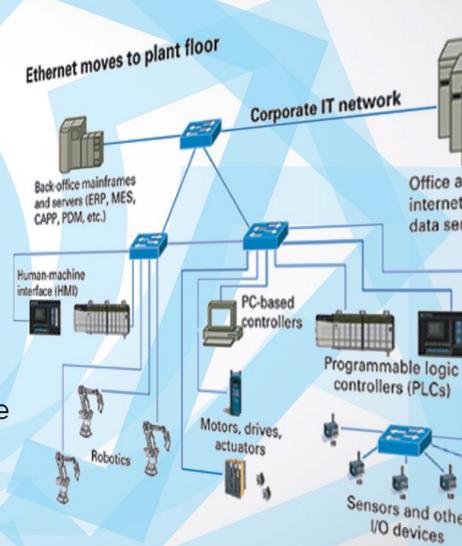
SOLUTION

Ethe

We do design, installation, configuration, commissioning, and programming of the leading industrial networks:

- Ethernet
- DeviceNet
- ControlNet
- Among others

We follow all norms and recommendations that apply to assure your network will work with no communication problems that create dead times on your machine.



### Diagnostic

If you have problems with your network, call us and we will realize a complete diagnostic to eliminate these problems.

# MOTORS CONTROL

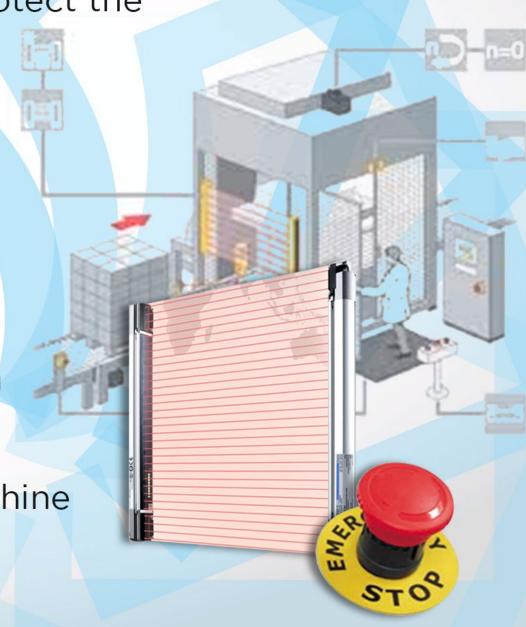


### SAFETY SYSTEMS



Installation, configuration, programming and startup of safety systems to protect the operator:

- Safety PLCs
- Light curtains
- Emergency stops
- Redundant systems
- Presence detectors with area programming
- Access control to cell or machine
- Etc.



### OUTSOURCING



Assignment of qualified personnel for full-time care of your automation needs for:

- Troubleshooting
- Creation of standards
- Existent machine revisions
- Machine checks for possible buying
- Cycle time reduction
- Production line improvements
- Controls Engineers
- Electrical and mechanical technicians
- Translators
- Security Supervisors

Personnel can be assigned by hours, days, weeks, months or as you need.

### URGENT ATTENTION TO MACHINE FAULTS

Because we know that production continues during days and nights and dead times have high cost, we are available 24x7 365 days a year to help solve your automation problems on any of your machines.



### ELECTRICAL PANELS ASSEMBLY



We assemble electrical panels (power and control) following the more exigent quality standards:

- Motor Control Centers
- Control panels with PLC
- Remote I/O panels
- Junction boxes
- > Etc.





### SPECIAL TRAINING:



General Motors Global standards courses with Macomb College certification:

- GCCH-1 Global Common Controls Hardware
- GCCS-2 Global Common Controls Software





#### **AUTOMATION SYSTEMS TRAINING**



#### We offer courses of:

PLC programming (leading brands)

Industrial networks

HMIs

AutoCAD

Electrical
Diagrams
(American and
European standard)



### ELECTRICAL INSTALLATION



Electrical systems installation following international norms:

- Electrical panels
- Conduit
- Cable tray
- Cable routing
- Labeling
- Industrial networks
- Equipment connection
- Etc.



#### LAMICOID LABEL MANUFACTURING





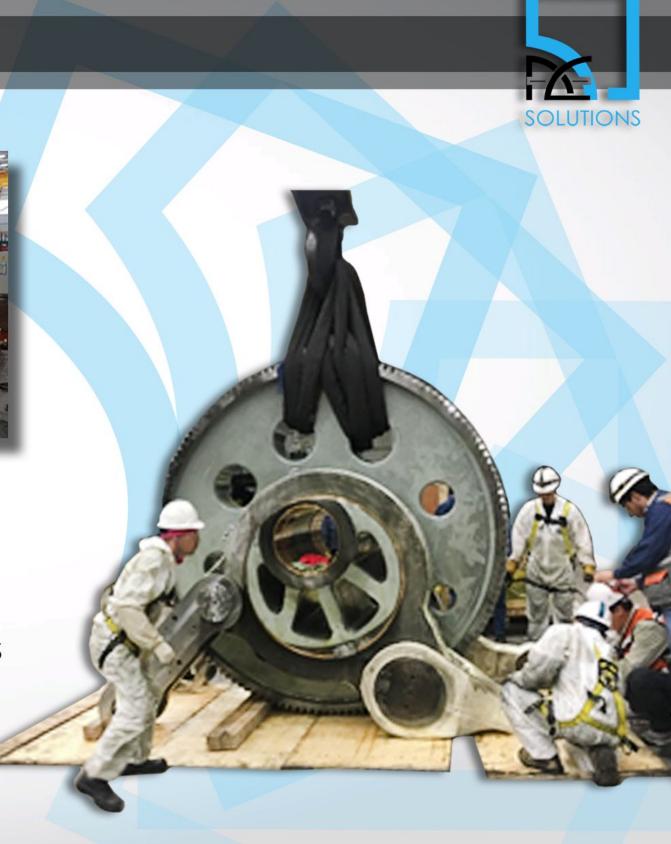




## MAINTENANCE



- Presses
- Automation
- Supply of spare parts



# INSTALLATION

SOLUTIONS

- Presses and automation
- Hydraulic and pneumatic piping
- Installation of steel structures





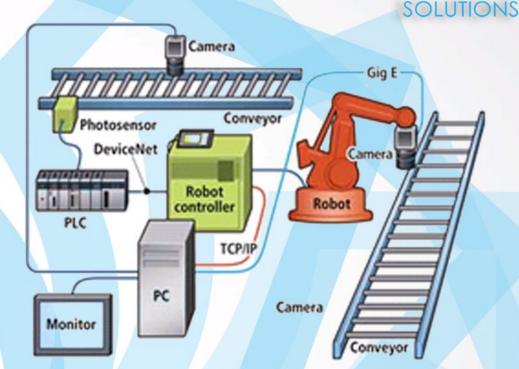
## MANUFACTURING

- Production Racks
- Steel structures
- Aluminum profile structures (Bosch)
- > Hydraulic tanks
- Fencing and guards
- Quality stations
- Chutes, etc.



### **EXPERIENCE**

- Bodyshop
- Welding control
- Stamping
- Conveyors
- Error proofing
- Safety systems
- Vision systems
- Energy saving
- Motor control
- Servo motor
- Paint shop
- Food and beverage





## **CUSTOMERS**



























## CONTACT US





Offices:

Almanzora 530

Cantoria Residencial

Villa de Pozos

San Luis Potosí, S.L.P.

78421

Phone: +52 (444) 3532787



Follow us on Facebook:

https://www.facebook.com/AE.Solutions.Innovation



Folow us on LinkedIn:

http://www.linkedin.com/company/ae-solutions

