



Industrial Automation Consulting & Design

The focus of IACD is to provide world-class systems integration and engineering services worldwide in the areas of Industrial Automation, Process Controls, and Material Handling over a wide range of industries that includes Pharmaceutical, Petrochemical, Nuclear and Traditional Power Generation, Semiconductor, Food, Pulp and Paper, Water Rubber, and Metal. In addition, working with these industries to promote the value and initiate implementation of safety integrated and certified systems and equipment.

IACD is composed of a diverse group of highly skilled engineering professionals who possess many years of real world knowledge and experience. Drawing on these talents and utilizing an endless variety of technologies and components, IACD listens to the needs of our clients to provide innovative solutions of the highest quality, and built with exceptional features, flexibility and ease of use.

From general consulting to developing complete turnkey systems, IACD will implement a cost-effective strategy tailored to your specific requirements. Rather than partner with a select group of companies, we maintain extensive relationships with many industry-leading manufacturers. This ensures that the final project is based on the technologies and components which best meet the cost, performance and system reliability needs of the customer, not on affiliations with specific manufacturer product lines which might not exactly fit these needs.

DCS, PLC and Smart I/O Control Systems

Allen Bradley *PLC2/3/5*, *SLC 100/150/500*, *Control Logic*, *Micro Logic*

Honeywell *TDC-3000*

Mitsubishi Delta V

Moore Industries (NCS)

Modicon GE Fanuc

Siemens / TI (S5 / S7)

OPTO22 Koyo

PC Operating Systems & Software

MS Windows 3.X/95/98/Me/NT/

2000/XP MS DOS

UNIX
MS Office Suite 2000/XP

MS Excel MS Access

MS Word
MS PowerPoint

MS Project Visio

Visual Basic

C /C++ Basic

Fortran Pascal

COBOL Auto Cad

Micro-Station

Miscellaneous . Other

Sensors and Controllers

Moore Industries Fisher Rosemount

Honeywell Foxboro Sunex

Omron Watlow

Micro Motion
General Electric

Accusort PSC

Datamars Turk

Powers

Operator Interfaces (HMI /MMI)

Wonderware

Iconics *Genesis32* Intellusion RSView32

Cimplicity Labview

PanelView Factory Link Think & Do

Databases

DB/ Sequel Oracle MS Access

Cisco

Communication Protocols

Modbus TCP Modbus RTU

Modbus Plus Ethernet I/P

DH1 DH485 RS232 DNP.3.0

Device Net Profibus DP Profibus PA

Foundation Fieldbus

Foxcom

Networking Equipment

Prosoft HMS SST

Data Linc Group Radios and Line Modems

Elpro Technologies Radios and

Telemetry Systems
Dymec Fiber Optic Converters
N-Tron Ethernet Switches and Fiber

Optic Converters

VFD / Servo Motors & Motion

Emerson Servo Control
Reliance Automax Control Systems
General Electric

Robotics

Motoman Robotic Systems Hitachi Robotic Systems

10 Step Development Process

From the initial project estimate, to post installation support, IACD provides quality service every step along the way:

1. Project Estimate

After carefully working with our customers to determine their specific application needs, IACD will provide a straightforward project estimate. This document will contain comprehensive itemization and descriptions of all costs, materials, and services required for the project. IACD takes a practical approach in providing estimates. Customers can feel confident that an estimate provided by IACD is an accurate reflection of the true project costs and there will be no "surprises" during, or upon completion of the work.

2. Project Design

Once the project estimate is accepted, the design phase begins. IACD will designate a proper schedule, determine specific tools and materials, assess additional project requirements, and present a full project design ready for review by the customer. If you already have a design, we will work to your exact specifications.

3. Project Development

IACD will develop a project layout overview. All mechanical and electrical aspects will be developed using advanced computer aided design (CAD) for clarity and precision.

4. Assembly

All mechanical and electrical project components will be properly assembled at the IACD facilities.

5. Testing IACD rigorously tests every component, instrument and overall system to ensure optimal performance and safety.

10. Technical Support

IACD wants to ensure every customer is completely satisfied. This commitment to customer satisfaction does not end after final installation. IACD maintains knowledgeable, professional technical personnel to support and quickly respond to our customer requests. Technical support is available 24 hours a day, seven days a week.

9. Installation

Whether the customer or IACD installs the final project, the installation process will run smoothly. IACD provides complete installation plans to the customer and is readily available for assistance. Customers can also rely on IACD for complete installation services. Our installation technicians can install your system almost anywhere in the world.

8. Packing and Transport

Using sturdy materials that can endure the elements and utilizing reliable delivery channels, IACD takes great care in the packing and delivering of your system.

7. Documentation

IACD offers comprehensive documentation on all systems including operating manuals, bill of materials, testing data, installation diagrams, and other appropriate materials.

6. Customer Acceptance

Upon final testing, IACD will present the project to the customer for review. This is an opportunity for the customer to see first hand how each project requirement has been met, prior to onsite delivery at their facilities.

All product and company names are the property of their respective holders.

Information subject to change without notice.