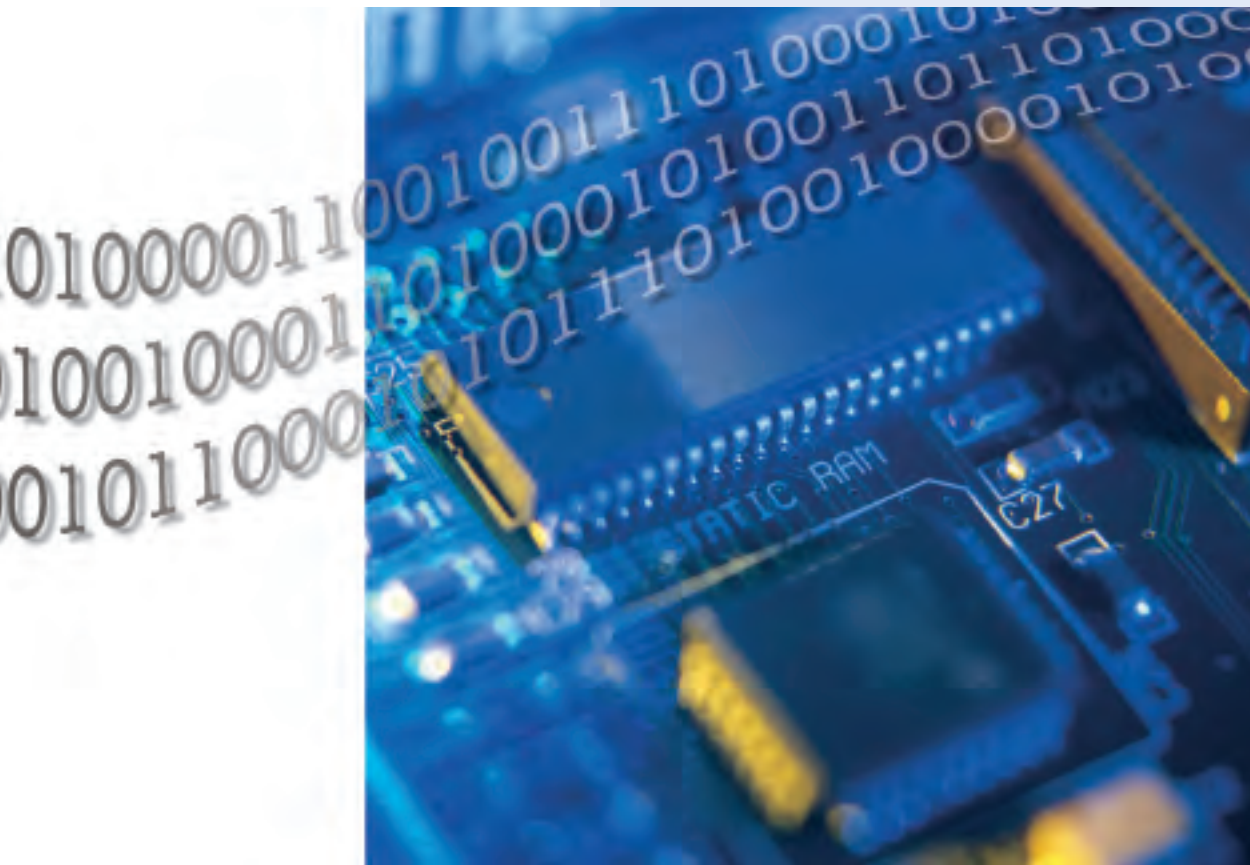


INNOVATORS IN REFRIGERATION AND COOLING TECHNOLOGIES



CIMCO® Automation Group



**Energy Savings Through Advanced
Refrigeration Automation**

TOROMONT

CIMCO

Since its inception, the **CIMCO Automation Group (CAG)** has been at the forefront of automation technologies providing automatic microprocessor control solutions for our customers' refrigeration plants. CAG designs and engineers microprocessor control technologies to deliver more *energy efficiency and savings* to industries dependent on sophisticated refrigeration systems, such as:

- Food and Beverage
- Cold storage and distribution
- Chemical manufacturing
- Plastic extrusion and molding
- Professional and Recreational ice rinks



Superior Performance

Our automation engineers have extensive expertise in refrigeration plant control. They are in tune with the unique control requirements of refrigeration systems and can draw on over 90 years of refrigeration experience. This, combined with their expert knowledge of microprocessor control systems and comprehensive track record, ensures a

cost-effective, energy-efficient automation system ideally suited to your plant control requirements.

CAG engineers will evaluate your specific requirements and recommend the foremost control solution for your refrigeration application to maximize your return on investment.

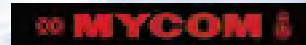


The Right System For You

With the proliferation of control products and the recent advances in control technology, there is an overwhelming variety of control hardware and software available. CAG cuts through the confusion and recommends the most appropriate and reliable solution for your refrigeration needs.

Our expertise spans the vast universe of PLC, DDC and MMI suppliers including:

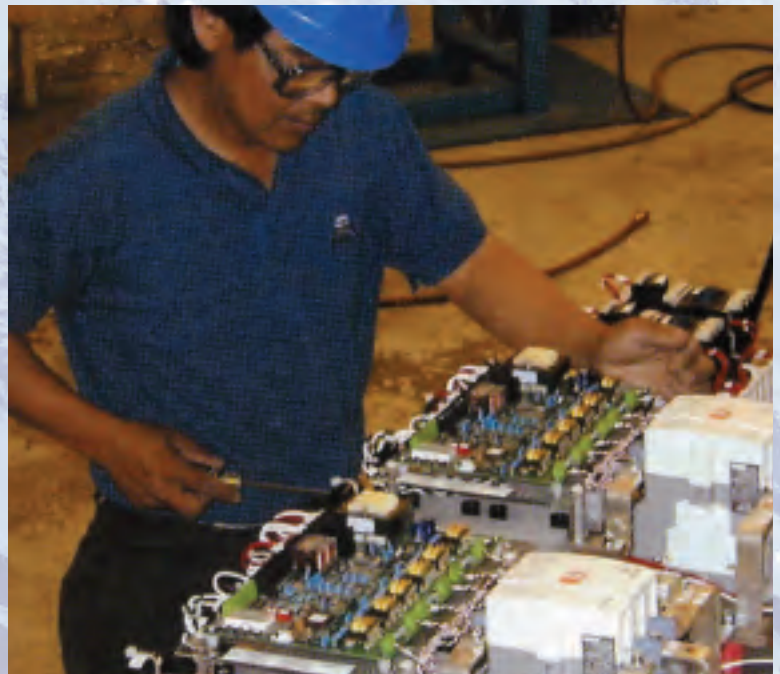
- Allen-Bradley
- Texas Instruments
- GE Fanuc
- Koyo
- Siemens
- Modicon
- Delta Controls
- MYCOM
- Frick
- Citect
- Wonderware
- Exor
- RSView



In addition, CAG provides several pre-engineered solutions for recreational applications. These packages offer superior control functionality.

CSA Panel Shop

A key ingredient of the CIMCO Automation Group is our own in-house CSA Panel Shop. Coupled with our system design, programming and CAD capabilities, CAG is able to provide turn-key control systems for your facility. An efficient interface with microprocessor and electromechanical devices is achieved with no control redundancy or extraneous interfaces. By utilizing only required control components and streamlining the fieldwork required to install a CIMCO system, we contribute significantly the system's cost-effectiveness.



Customer Benefits

Expertise

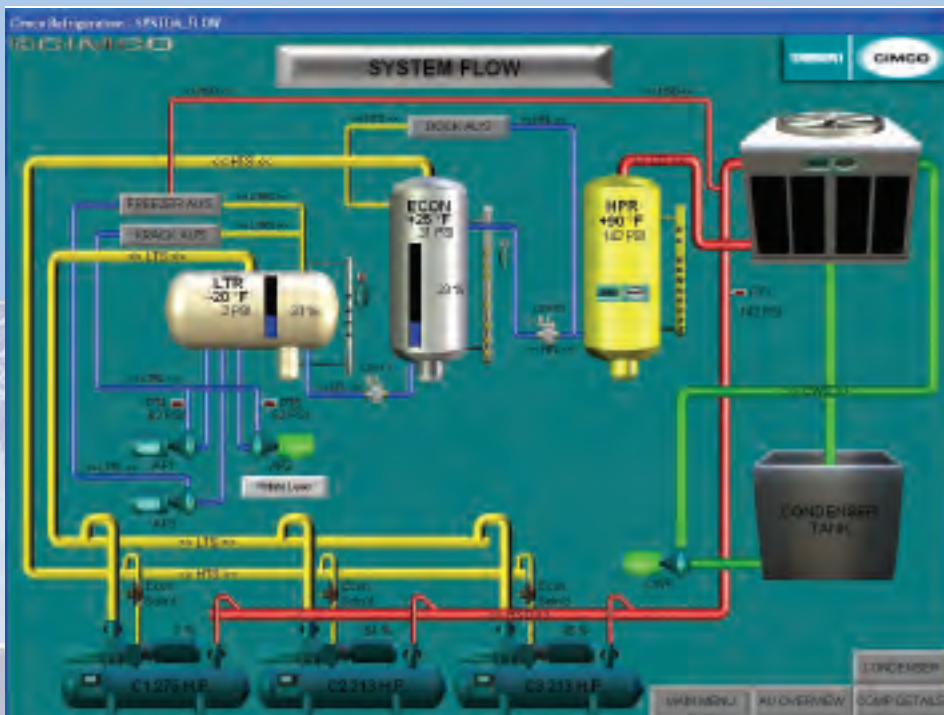
CAG provides an energy efficient design by those who know refrigeration. We are at the forefront of automation technologies and are continuously evaluating products to ensure that our customers have the most up-to-date, reliable, cost-effective and energy-efficient control systems.

Single Source of Responsibility

CIMCO is in the business of providing complete refrigeration solutions. No more wondering who to call when a service issue arises. CIMCO is the source for all your mechanical and automation service needs. CAG engineers are accessible 24/7 on a year-round basis should the need arise.

Precise Computerized Control

Electronic control is precise and extremely reliable when compared to traditional electromechanical controls. With computerized controllers managing process loads, much of the bulky relay logic components and associated wiring can be eliminated. Space requirements are reduced. CAG ensures efficient microprocessor to electromechanical integration.



System Features & Benefits

CAG's automated control systems are engineered to assist in efficient operation and planned maintenance of a facility. Each system is carefully designed to suit each client's individual need. Some of the key features and benefits available in our systems are:

Energy Savings

The focal point of each CAG system is the control of electrical loads. Load control is achieved through intelligent control algorithms that optimize the response and energy efficiency. Some examples of strategies that reduce energy costs are:

- Time scheduling
- Demand limiting, etc.
- Load matching
- Optimized start
- Optimum head pressure
- Defrost control
- Remote and web-enabled monitoring

User Friendly Interfaces

All our interfaces are designed to be used intuitively by plant operators. A computer background is not required. Menu navigation is by means of a few simple mouse clicks or by pressing a button on a touch-screen. Numeric keystrokes are kept to a minimum and are usually limited to set points and passwords.

Alarming

All critical points of the refrigeration plant are monitored. In the event of a failure or unsafe condition, the alarm is enunciated locally at the user interface and at the alarm horn if required. Optional alarm dial-out to a pager is available as well.

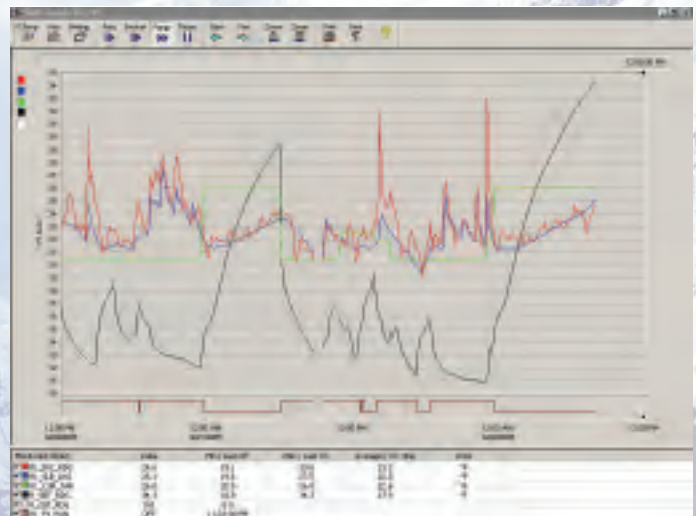
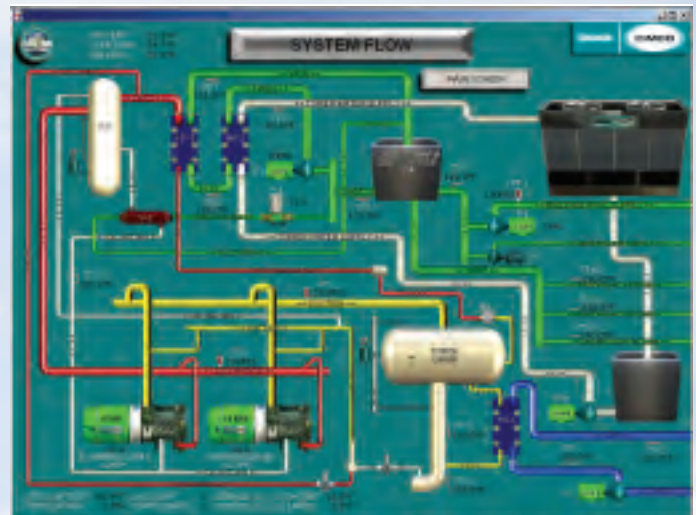
Remote Monitoring

CAG systems can be equipped with a modem and/or Ethernet connection to allow remote monitoring by plant or CIMCO personnel. Remote access permits full scale monitoring of the system, changing of operating parameters, and retrieval of plant information from an offsite location.

Reports

Operating conditions of the plant can be trended at specific intervals to indicate plant performance and provide data for optimizing plant operation. Additionally this trend data can indicate changing or deteriorating plant conditions and warn of potential problems, allowing plant personnel to deal with an impending situation before it becomes critical.

Operating hours and equipment starts are recorded for each piece of controlled equipment. The operator can use this information to plan equipment maintenance.



On-site Training and Documentation

No control system can meet its potential unless the operators know how to use it. CIMCO provides on-site training of plant personnel on system operation. Detailed documentation on the control system is provided with every installation. In addition, off-site remote monitoring and after sales support is available.

For an evaluation of a system for your facility, please contact your local CIMCO representative and put our over 90 years of refrigeration expertise to work for you.

CIMCO

The Cold Specialists

Design & Engineering

CIMCO has built its reputation by having the best technical sales, manufacturing and refrigeration engineers. From coast to coast, our team of application specialists can draw on over 90 years of experience to design the refrigeration and process

cooling plants that will meet your specific needs. From initial concept, through site supervision, to project commissioning, CIMCO engineers are available to ensure the success of your project.

Manufacturing

We have established our reputation by using the latest manufacturing techniques to produce the world's leading refrigeration equipment. In fact, many of the products that become part of our refrigeration systems are manufactured by CIMCO,

such as: shell and tube heat exchangers; pressure vessels; dehumidifiers; water tanks and pumping sets; microprocessor and relay logic control systems and complete packaged refrigeration and process cooling systems.

Components

At CIMCO, we ensure that every component used in our systems is chosen based on the knowledge gained from past experience. Each product is carefully evaluated, tested and proven before it becomes part of a CIMCO system. From the

compressor, through to the simplest control, each unit is carefully assessed and matched with components of proven dependable performance to keep our clients and their products cool.

Installation & Service

A key aspect of our success has been our experience in preparation, installation, start-up and balancing of our systems. CIMCO offers preventive maintenance and service inspection programs with reliable,

professional follow-up service. When it comes to keeping things cold or on ice, only CIMCO does it better than Mother Nature.

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