



# MOVING PEOPLE. MOVING BUSINESS.

2008 Corporate Showcase



**COMPUTERIZED ELEVATOR CONTROL CORP.**  
Moving People. Moving Business.



## THE CEC STORY

Founded in 1980, Computerized Elevator Control Corporation (CEC) introduced high performance and reliability to the elevator market, with the unique added benefit of being a non-proprietary, universally maintainable elevator control product.

Over the years new products have been introduced and the technologies have advanced, but the fundamental philosophy remains the same. CEC designs, manufactures, and supports non-proprietary elevator control and monitoring products that deliver speed, precision, and total control. CEC is a technology leader, providing reliable solutions to elevator companies and end users worldwide that are easy to install and universally maintainable. Products are designed, manufactured, tested and delivered from CEC's 50,000 square-foot facility in Moonachie, New Jersey.

CEC's well-established elevator control products include the SWIFT® Futura™ controller, the ultimate solution for demanding high-rise and mid-rise elevator needs, and the SWIFT® Meridia® controller, a superior solution for most mid-rise and low-rise applications. Both products provide uncompromising performance for new construction and modernization.

In addition to the elevator control systems, CEC's technology innovations also include CampusView, a sophisticated monitoring and notification system that offers highly customized graphics in a network and Internet-compatible architecture, and Destination Dispatch,™ the most advanced elevator dispatching system available today.

At CEC, a strong emphasis is placed on customer support. CEC's engineers and technicians go through a comprehensive training program to develop an understanding of the entire elevator system, not just the control and monitoring aspects. This education allows CEC to serve its customers effectively in all phases of the business relationship, from product specification and sales to installation and life-cycle technical support. CEC is completely committed to timely response and problem resolution, no matter what the root cause, and can deliver on this commitment with many years of experience, leadership, position and size.

Our dedication to building non-proprietary control products is a long-term commitment that assures a building owner's elevator service company unrestricted access to technical support, spare and replacement components, and training. Should the need arise, CEC Technical Support Engineers are available 24 hours a day, and are just a phone call away.

CEC looks forward to adding your projects to its portfolio of new construction and modernization. Insist upon the state-of-the-art technology in the product line of Computerized Elevator Control Corporation.



Our 50,000 square-foot headquarters and production facility in New Jersey, just minutes away from New York City and other areas around the Big Apple.



Our trained technical support engineers are on-call for you, 24 hours a day.



## NON-PROPRIETARY EQUIPMENT:

*What does this mean, and why is it important?*

The phrase “non-proprietary equipment” is widely-used but not well-understood terminology. This term is often used by consultants, elevator companies and elevator equipment manufacturers, but a universally-accepted meaning has not been agreed upon.

### What Is Non-Proprietary Equipment?

The primary benefits of using non-proprietary equipment can be described with the following phrase: freedom of choice. When non-proprietary equipment is chosen, the building owner has the power of freedom of choice. Stated simplistically, non-proprietary equipment can be purchased by anyone, installed by anyone, and maintained by anyone. This gives the building owner the power of freedom of choice in selecting an installation company to install the equipment, and in selecting a maintenance company to service the equipment over its entire life-cycle.



### What Is Proprietary Equipment?

In the opposite extreme, there are elevator companies that provide the entire package: the elevator equipment, the installation crews to install it, and the maintenance crews to maintain it. Though the equipment and installation may be of a very high quality, the equipment may be quite proprietary in nature. The equipment can only be installed by the original equipment manufacturer (OEM) or its subsidiaries, and complete and effective service over the life of the product can only be provided by the OEM. This dramatically limits the freedom of choice available to the building owner after the equipment is installed.

### Elements of Non-Proprietary Equipment, defined.

**Installation and maintenance.** Non-proprietary equipment can be purchased, installed, and maintained by any qualified elevator installation company. Complete documentation is provided at the time of product delivery by the equipment manufacturer.

**Training.** Technical training is made available by the manufacturer at a reasonable and appropriate cost to any qualified elevator company. The training curriculum covers installation, troubleshooting and maintenance of the equipment.

**Troubleshooting and Diagnostic Capabilities.** Diagnostic capabilities are provided with the control equipment, allowing any qualified elevator installation or service company to retrieve information from the control system to aid in the installation, maintenance and system troubleshooting.



We provide regional training seminars for customers and industry professionals several times a year.



Our controllers are built in-house on our factory floor.

**Spare and Replacement Component Availability.** Equipment components are made available for purchase for repair or spare parts inventory stock. There is no provision limiting access to spare parts purchase by any qualified elevator company.

**Factory Support of Equipment.** The equipment manufacturer provides technical support to any qualified elevator company that is authorized by the building owner to service the elevator equipment. Technical support is provided at a reasonable and appropriate cost.

**Documentation.** Additional sets of documentation are made available to any qualified elevator company that is authorized by the building owner to service the elevator equipment, at a reasonable and appropriate cost.

### **Knowledge is key.**

Being aware of the concepts associated with non-proprietary products is critical. Ultimately, the choice of an elevator installation company and an elevator control product is based upon many factors, some tangible and others quite intangible. Being armed with specific information will assist in making an informed decision that will suit the specific needs and circumstances. CEC is committed to helping its customers make the right choices and stands firmly behind the value of freedom of choice.



## SWIFT® FUTURA™ ELEVATOR CONTROLLER



Introduced in 1993, the SWIFT Futura quickly established itself as a superior and trouble-free elevator control system. Today, the SWIFT Futura remains a cornerstone in the elevator controller market.

CEC's goal was to design a reliable product that would be easy to install and maintain, would provide greatly enhanced performance, and could easily be serviced by regular service technicians. It also needed to be a non-proprietary system, so that building owners would have the freedom to choose their own service provider. The SWIFT Futura has met and exceeded those expectations.

**SWIFT.** SWIFT is an acronym defining the revolutionary function of our elevator controllers. SWIFT stands for Shorter Waiting Intervals with Faster Trips. The SWIFT Futura offers the fastest speed available from our elevator controllers, giving passengers fast transit between all floors.

**High Performance.** The SWIFT Futura uses high-performance microprocessor technology to provide the highest levels of safety, performance, reliability and flexibility, in a package that is both easy-to-install and maintain. If operational upgrades are needed to suit changing building needs, the SWIFT Futura handles it with ease through easily programmable flash memory technology.

**Smooth & Efficient.** Digital motion control technology provides an elevator ride that is both smooth and efficient, producing an optimized elevator speed curve for every floor-to-floor movement.

**Expert Dispatching.** Expert dispatching technology means that your system will automatically adapt to meet changing conditions. Over time, the SWIFT Futura's artificial intelligence design adapts to the specific characteristics of its environment, and anticipates the needs of the building. Dispatching functions are integral to each individual elevator controller, providing an inherently redundant multi-car group supervisory system. Should one SWIFT Futura controller find itself unable to perform the functions of the supervisor, another SWIFT Futura controller will seamlessly pick up where its predecessor left off.

**Standardized.** The design of the SWIFT Futura also provides a highly standardized wiring procedure for the installation mechanics, which is a key benefit that greatly decreases installation time and minimizes wiring mistakes through consistency and familiarity. A serial communications interface connects the top of car processors, car opening panel processors, and hall fixture processors in a network of distributed processing, for easier installation and service. Many interconnections are achieved with a simple plug-in of telephone-like connectors.





**Value.** With the SWIFT Futura, value is immediately realized because elevator down-time is reduced both during and after modernization. Reduced installation time means that a modernized elevator is up and running sooner, and the high reliability characteristics of the SWIFT Futura controller means that post-installation down-time is minimized. The SWIFT Futura's trouble-free performance means that building traffic will move efficiently and effortlessly – providing tenants and visitors with a more enjoyable commuting experience.



**Features:**

- Premium performance for mid- and high-rise applications
- SCR, VVVF, MG applications
- Simplex or multi-car groups to 10 cars
- Car speeds to 1600 fpm
- All SWIFT Futura controllers (new and existing applications) are compatible with Destination Dispatch™
- Group supervisory functions integrated into each controller
- Compatible with REMON G2™ and CampusView monitoring systems
- Proven track record for performance and reliability
- Intelligent serial communications reduce installation time and cost
- Non-proprietary diagnostics and support
- ASME A17.1-2004 Compliant



SINCE 1980

## REFERENCE INSTALLATIONS

We have provided elevator control and monitoring solutions to building owners world-wide since 1980. Buildings of all different shapes, sizes and type have benefitted from the high levels of performance and reliability provided by CEC SWIFT elevator controllers. Here are but a few examples of success stories that are representative of our population of installations around the globe.

### 200 Madison Avenue, New York City, New York



200 Madison Avenue

With ten elevators separated into two banks in a common lobby, SWIFT Futura with Destination Dispatch Lobby Booster System was selected to handle the demanding requirements of this Manhattan office building. Passengers enter the building and select their specific floor destinations via one of many customized touch screen devices mounted in the main lobby and at the two security stations. Once a floor is selected, passengers are immediately instructed to ride on one of the ten elevators that serve the main lobby landing. The Destination Dispatch system efficiently handles peak traffic conditions by grouping passengers with similar destinations together, thereby reducing the number of stops that a given elevator must make in dropping off its passengers. This allows the elevators to return back to the lobby floor in a reduced time, thereby serving the incoming traffic more effectively. CEC's Destination Dispatch system is unique in its ability to coordinate traffic across multiple elevator banks.

### Dallas / Fort-Worth International Airport, Dallas, Texas



DFW Airport Terminal D

The recently opened Terminal D of the Dallas / Fort-Worth International Airport (DFW) incorporates elevators, escalators and moving walks as the solution for pedestrian traffic throughout the terminal. Because of the critical importance of these devices, CampusView was chosen to provide comprehensive monitoring for all of the devices. CampusView provides at-a-glance status of every device in the terminal, and has the capability to provide immediate notification of the change in operational status of any device, whether it be an elevator, escalator or moving walk.

### 167 MacQuarie Street, Sydney, Australia



167 MacQuarie Street

This building was the world's first elevator system equipped with both Destination Dispatch control and conventional control in the same elevator system. Being an 18-floor office building with heavy traffic required this unique solution. The four elevators are controlled by SWIFT Futura controllers and Destination Dispatch traffic dispatching has proven to cut travel time by 30%.

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#### **FOR MORE INFORMATION**

on any of the products and services that are moving people and business, please visit [swiftcec.com](http://swiftcec.com) or give us a call at **(201) 508-2300** on Monday-Friday from 8am-5pm Eastern.

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