

Case Study

Upgrading Existing IMC Installations with Destination Dispatching

by Pal Hayer, Product Manager

Whether for a new building or improving traffic flow in an existing building, Destination Dispatching is becoming the new norm for commercial and residential buildings. Destination Dispatching is an optimization technique used for multi-elevator installations, which groups passengers for the same destinations into the same elevators, thereby reducing waiting and travel times when compared to a traditional approach where all passengers wishing to ascend or descend enter the same elevator and then request their destination.

Motion Control Engineering, Inc. (MCE) has been providing Destination Dispatching systems on its iControl for quite a few years now where the system is tailored to meet your needs to set your building apart from the rest. From in-depth traffic analyses to architectural options, our experts will recommend an optimal solution that seamlessly integrates into your building's design while delivering the performance you expect.

In addition to the new installations and modernizations, MCE is now offering Destination Dispatch retrofits on its IMC Series of controls. Contrary to the other solutions available in the market, MCE's solutions offer complete serial communication where all the fixtures and the new dispatcher communicates existing product via serial communication.

A recent example of this solution is 45 Main Street, Brooklyn, NY. MCE partnered with City Elevator and took on the challenge of retrofitting the existing four-car IMC group with Destination Dispatching. Not only was the timeline to prepare for the project aggressive, it was decided the install the project over the Labor Day holiday weekend to minimize service disruption to the end users.

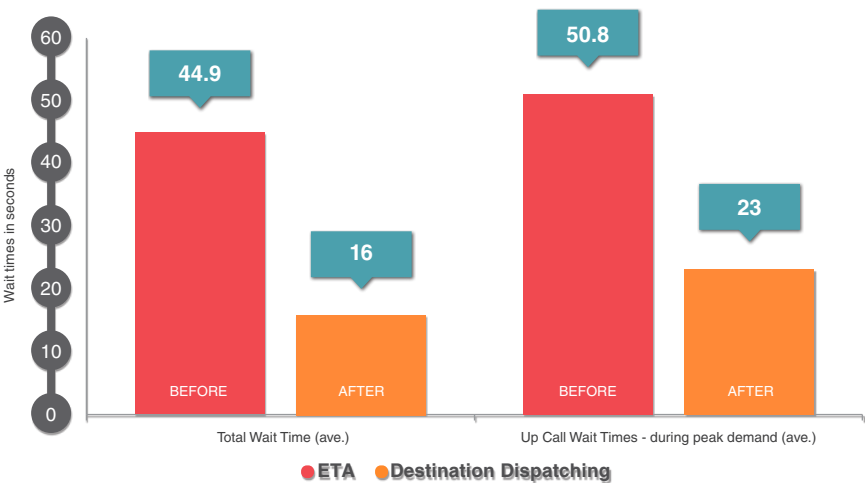


After all the prep work and coordination, MCE and City Elevator team started the work on Friday evening, working through the installation and optimization in next 48 hours, the destination based system was up and running by the end of the day Sunday. With the help of serial protocol up-front design, the installation time was vastly reduced and provided a seamless plug and play transition. The following highlights the capabilities of MCE's Destination Dispatching upgrade kit for IMC system:

- Seamless retrofit integration due to serial interface.
- Minimal wiring and reduced installation time.
- Improved passenger experience due to efficient dispatching.
- Option of serial interface to building security system.
- With the addition of the new iCentral dispatcher, new controller modernization can be phased over a few years without cross cancel or registration needs.
- Overall enhanced experience and vastly improved average wait times (as depicted below).
- Both Lobby Boost and Full Destination Dispatching options available.

ETA vs. Destination Dispatching Traffic Analysis

Study conducted at 45 Main Street, Brooklyn, New York



45 Main Street
Brooklyn, New York

Bid Destination Jobs with MCE!

Non-proprietary Destination Dispatching
for Better Elevator Performance

Increase elevator through-put without changing hoistway equipment. Destination Dispatching can substantially reduce passenger travel time by improving efficiency for new construction, modernization, or existing iControl or IMC installations. Passengers are assigned to just the right elevator so they get to their floor with fewer stops. Elevators are optimally loaded, making fewer runs, saving wear and tear as well as consuming less power over time. Contact your MCE representative to see how you can expand your success through non-proprietary Destination Dispatching.

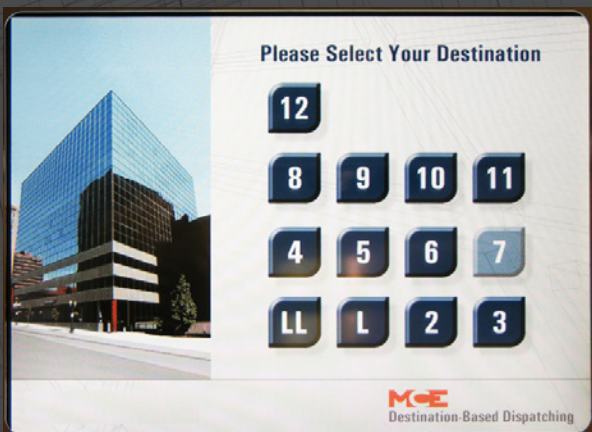


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Motion Control Engineering, Inc. (MCE) provides everything you need to bring Destination Dispatching to IMC or iControl elevated buildings. Upgrade existing installations to the design-rich efficiency of Destination Dispatching without replacing existing controllers.

MCE is ready when you are to bid state-of-the-art, non-proprietary, destination dispatching systems. Providing:

- New kiosk designs
- Custom graphics
- ADA compatibility
- Security interface
- Possible on-screen advertisements
- Lobby boost to full-up destination dispatching



Your investment is lasting, if you later choose to upgrade individual legacy controls - they slide out and iControl slides in. Contact your MCE representative today and make your customers happy with the choice they made; then and now!