

INNOVATIVE | TRUSTED | COLLABORATIVE

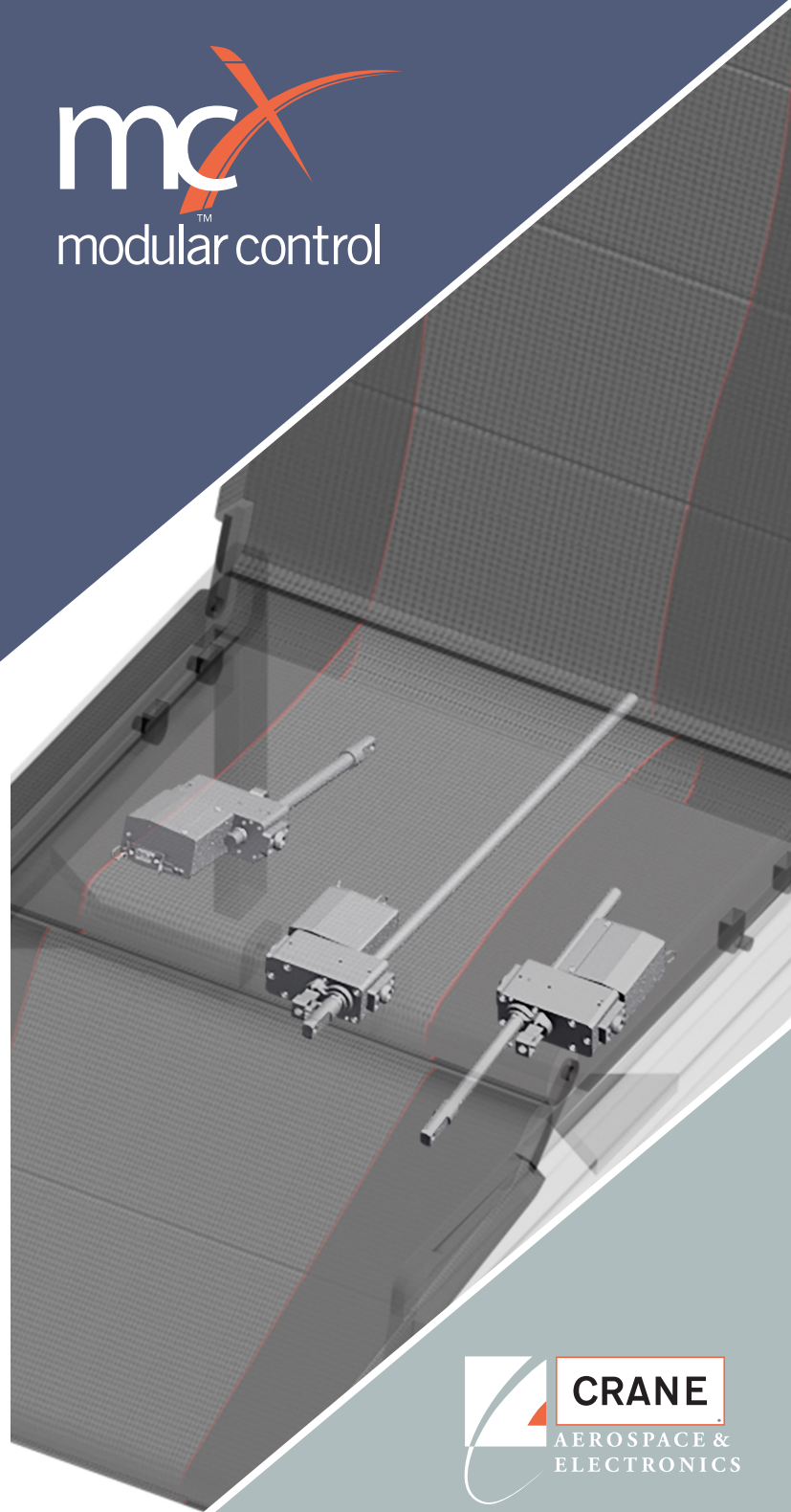
mcTM
modular control



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EXTRAORDINARY

Patented modular system architecture provides flexibility, performance, and cost savings to deliver a premium seat experience for passengers and airlines alike.

- Individual “smart actuators” make rapid adjustments without routing through a central hub
- Lower cost of ownership over the product life cycle
- Customizable system enables regular, easy-to-install updates for improved competitive advantage
- One-touch calibration with an intuitive user interface
- Enhanced diagnostic capabilities for superior troubleshooting and fault isolation

EXPANDABLE

mcX™ provides the scalability and flexibility that airlines and seat manufacturers need with a suite of standardized system components.

- Easy to upgrade and reconfigure individual modules
- Up to 8 seats or 32 modules per network
- Standardized system software across multiple aircraft and seat platforms
- Seamless integration with additional cabin systems via CANBUS

EXPERIENCE

The best seat motion control system is the one you don't notice. The smooth, quiet mcX seating experience lets passengers just sit back, relax, and enjoy the flight.

- No delays or pauses through full actuator range of motion with coordinated movement control
- Smooth and simultaneous seat motion
- Reduced system noise via quiet-operation actuators
- Industry-leading “safety zone” collision avoidance and obstruction detection

QUIET OPERATION WITH FUNCTIONALITY TO SHOUT ABOUT

Enhanced system diagnostics and BITE

Fully enclosed actuators provide quiet operation

100,000 seat cycles

Enhanced mechanical robustness

Geared for optimal motor performance

- 5-10% increased efficiency over previous generations
- 20% increased stall torque
- 50% increased precision

Direct potentiometer drive

New compact override mechanism

Drive train designed to reduce stress on motor planetary gearbox

Hard-mount connections (no more pigtail harnesses)

mcX SYSTEM MODULES

Linear Thru-shaft Actuator

Passenger Control Module

Linear Extension Shaft Actuator

Auxiliary Interface Module

Compact Rotary Actuator

Lumbar Module

Power Supply Module

Legacy Actuator Module

Passengers want a comfortable, smooth, and quiet premium seat.

Airlines want reliable performance, low cost of ownership, and most importantly, happy customers.

Crane Aerospace & Electronics' new mcX technology delivers both with enhanced passenger comfort experience.