Modernizing Door Operators with Limitless Closed Loop Control
MCE’s SmarTRAQ Closed Loop Control compensates for variation that can cause other door operators to operate inconsistently. SmarTRAQ is self-correcting, so wind and temperature changes or even minor debris won’t hamper door operation.

SmarTRAQ is smart enough to recognize that doors may have varied weights. It uses the force necessary to maintain a pre-set motion profile, so the heaviest doors will open and close as efficiently and as smoothly as the lightest. You’ll see the same great operation with every set of doors – heavy, bronze-clad or lightweight doors.

Cruise Control for Your Door Operator
Closed loop control constantly monitors the speed and position of the doors, and compares this data to predefined opening and closing profiles. Constant monitoring of both position and velocity is “closing the loop.” It works like a car’s cruise control – you set a particular speed and it constantly adjusts the throttle to ensure your car travels at the desired speed.

Motion Profile
SmarTRAQ’s closed loop control system controls more than just the speed of the doors; it controls the entire motion profile – everything the doors must do to open, close, or nudge. The control system determines what force is necessary to make the door operator conform to the motion profile and then controls motor current accordingly.

Cost Effective
SmarTRAQ’s closed loop control is an economical way to modernize door operation. You can retain durable and reliable equipment. There is no need to replace the entire door operator – just the existing motor and control

Limitless Operation
SmarTRAQ’s “limitless” design can dramatically reduce installation time, reoccurring maintenance, and troublesome mechanical problems associated with existing electromechanical limit switch adjustment.

Code Compliant
SmarTRAQ’s closed loop control has standard opening and closing profile settings so doors operate consistently within code limits. Yet the system may be adjusted to meet performance criteria within those limits.

Improved Reliability
SmarTRAQ’s closed loop control varies force as needed to operate doors. Minor debris in the track, wind or other changing atmospheric conditions won’t cause doors to stop or slow down.