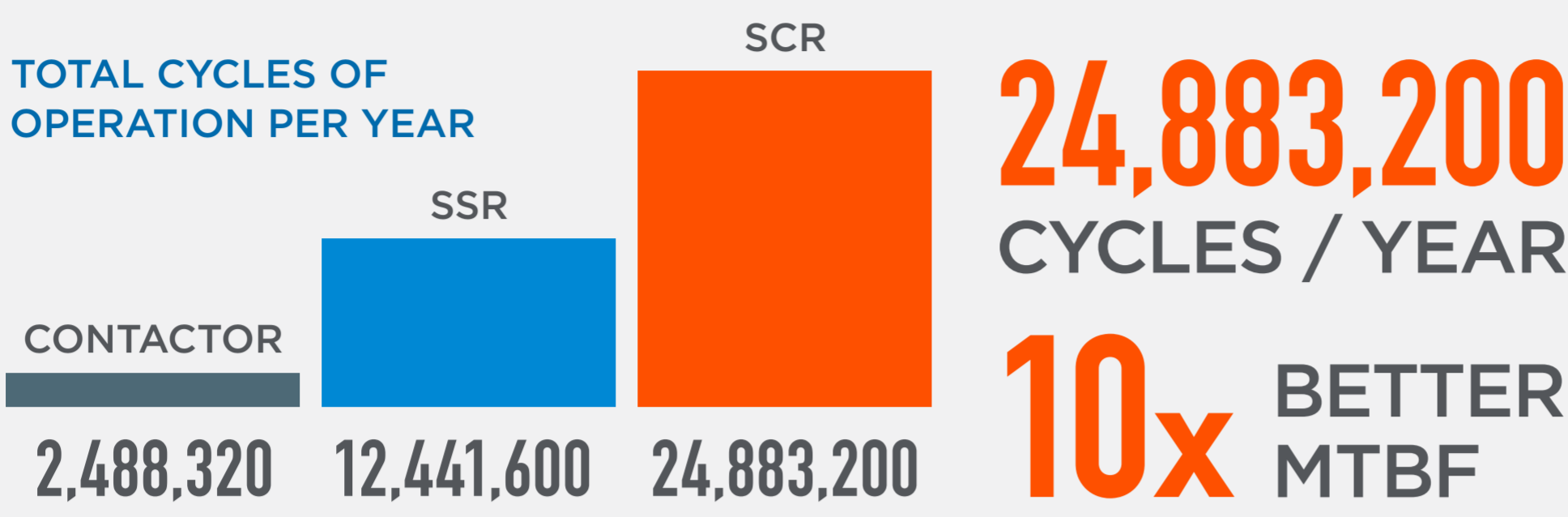


SCR POWER CONTROLLERS OUT-PERFORM

CONTACTORS AND SOLID STATE RELAYS



RELIABILITY

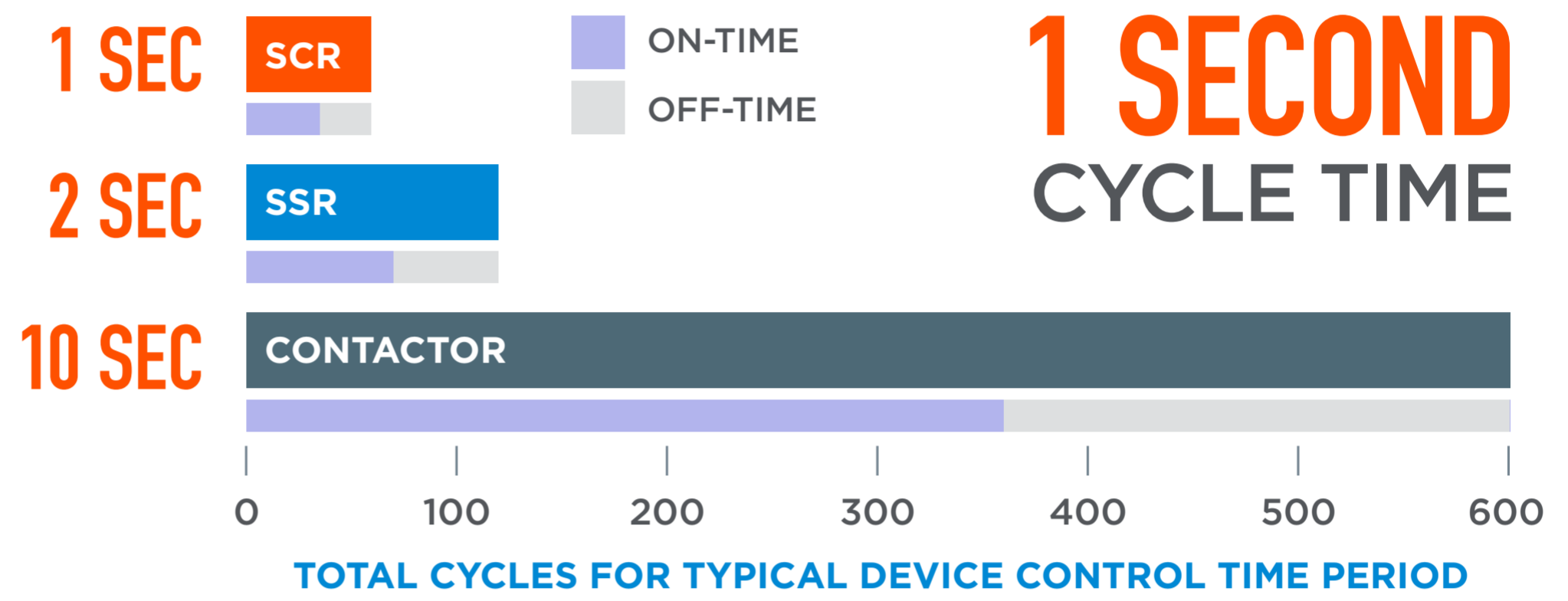


NO MOVING PARTS = MTBF 10x BETTER THAN CONTACTORS AND 2x MORE THAN SOLID STATE RELAYS. THIS MEANS LOWER MAINTENANCE COSTS, INCREASED PROCESS TIME AND EXTENDED SWITCH LIFETIME.

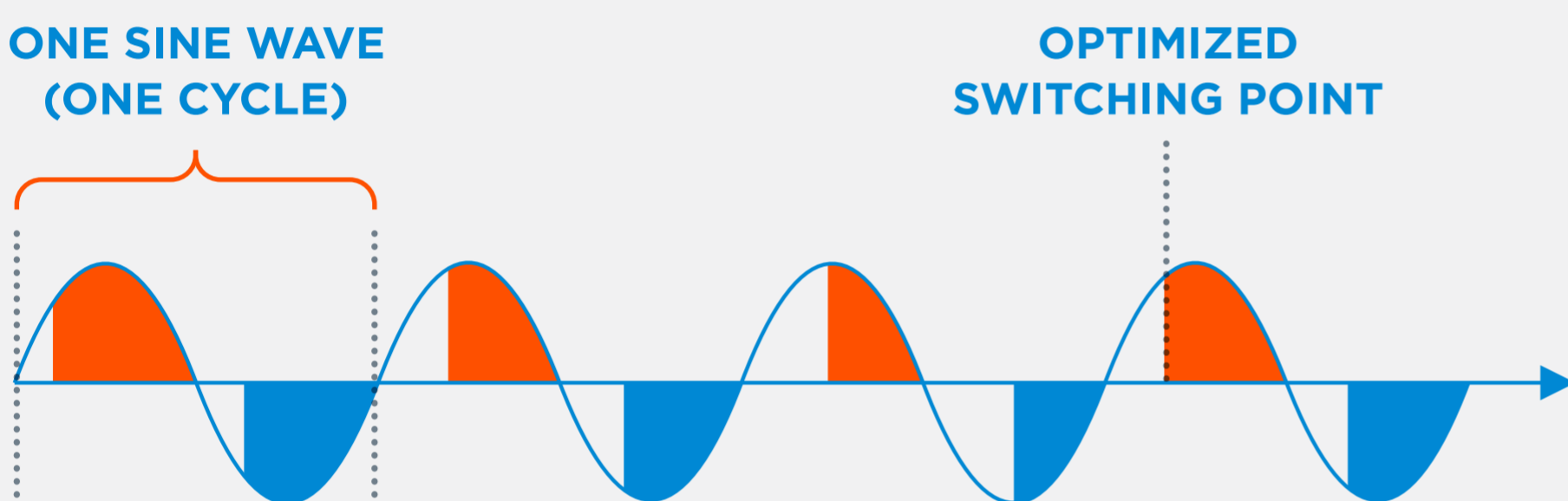
CONTROL

MORE PRECISE POWER CONTROL

OPTIMIZES ENERGY USAGE. FOR HEATING APPLICATIONS THIS MEANS ENHANCED TEMPERATURE CONTROL THAT STABILIZES PROCESS CONDITIONS AND MAXIMIZES TOTAL YIELD.



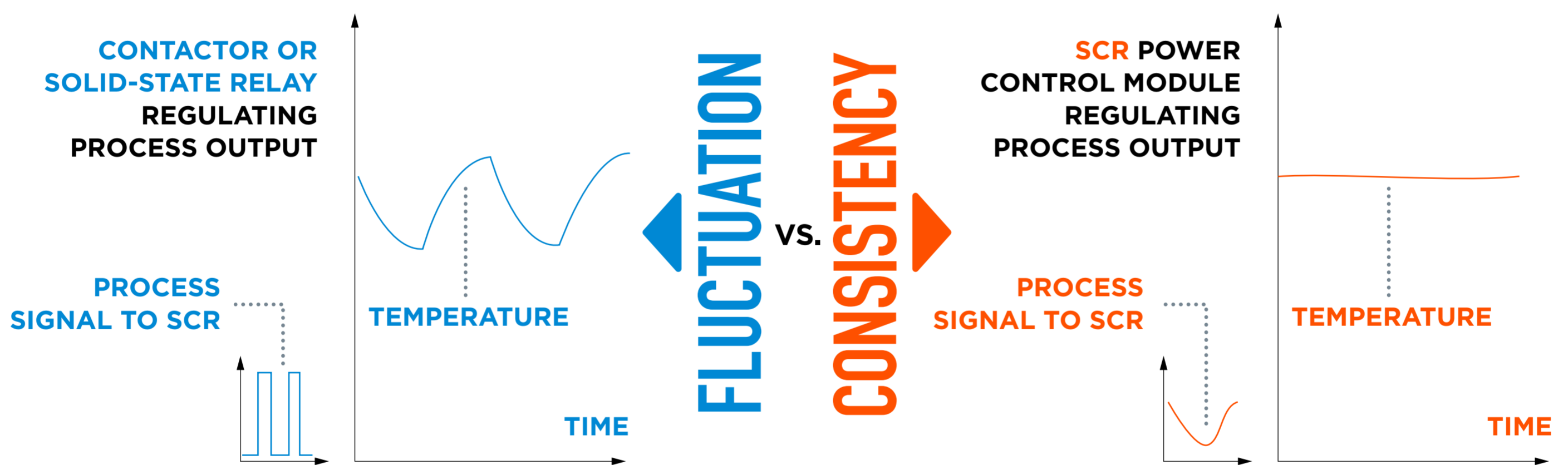
EFFICIENCY



IEEE 519-2014

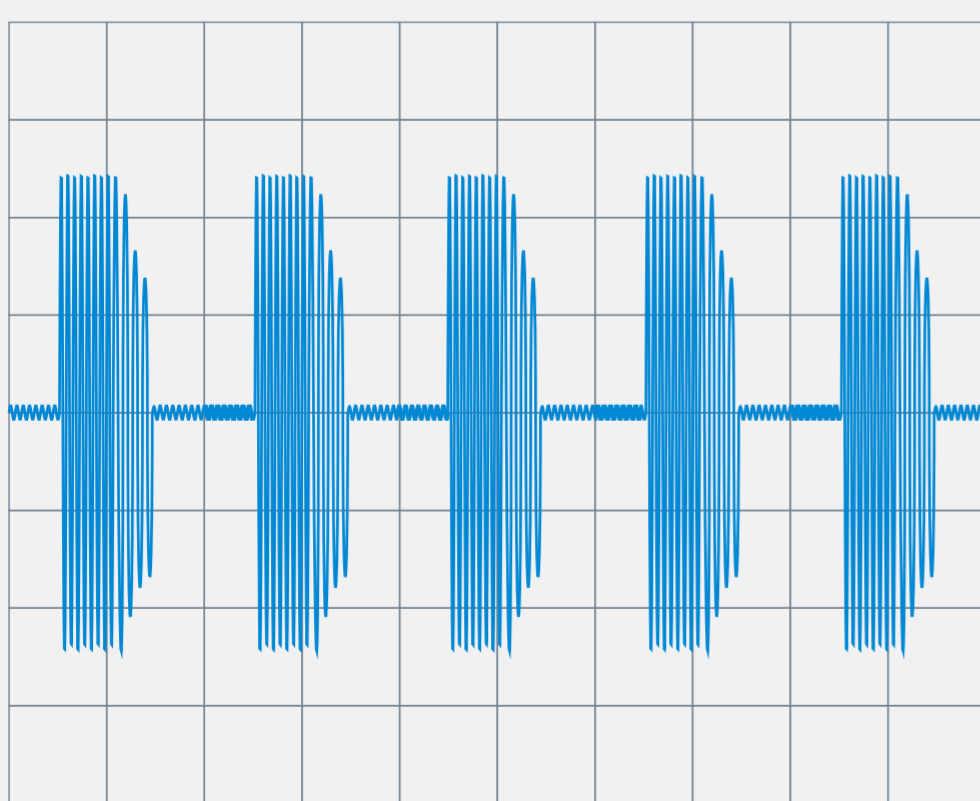
SCRs CAN BE SWITCHED ON AND OFF AT A CONFIGURABLE SINE WAVE POINT TO OPTIMIZE POWER FACTOR AND REDUCE MAINTENANCE COSTS THROUGH PROLONGED HEATER LIFE.

STABILITY

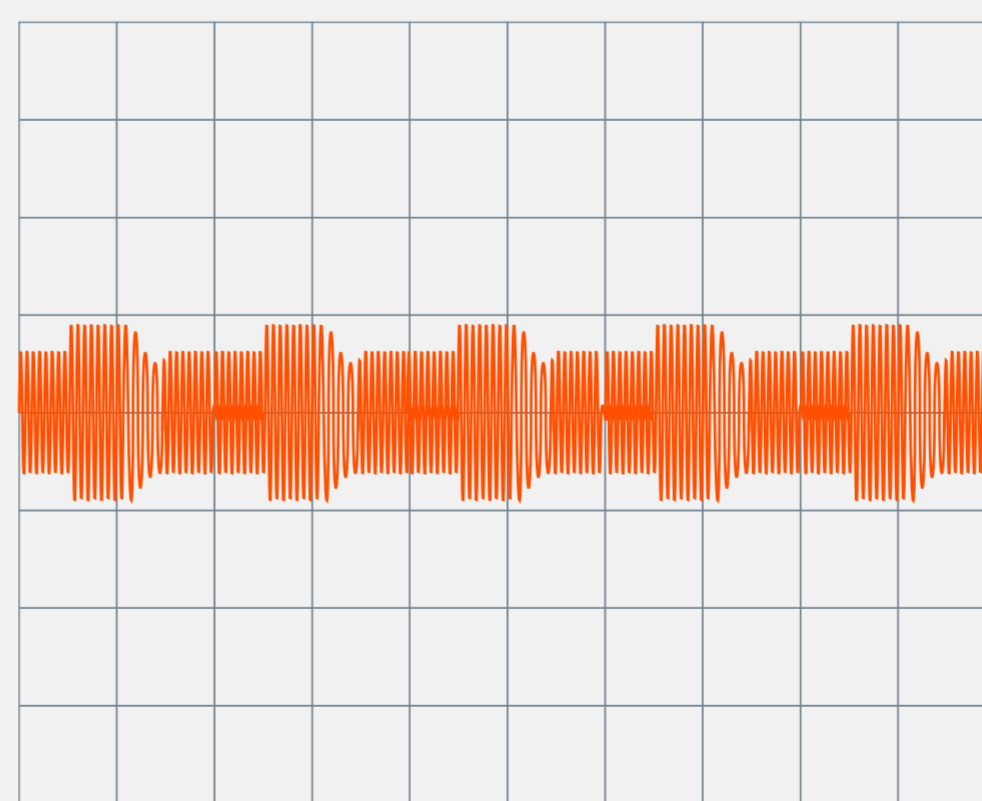


SCRs CONTROL POWER BY ADJUSTING THE OUTPUT POWER REQUIRED BY THE PROCESS TO MATCH REAL-TIME TEMPERATURE INPUT, ENABLING BETTER TEMPERATURE REGULATION, WHICH CAN EXTEND HEATER LIFE AND IMPROVE PRODUCT YIELDS.

LOAD OPTIMIZATION



WITHOUT MAINS LOAD OPTIMIZATION, WORST CASE (MULTIPLE SCR'S OPERATING)



WITH MAINS LOAD OPTIMIZATION (MULTIPLE SCR'S OPERATING)

up to 33% LESS ENERGY

REDUCE PEAK DEMAND ENERGY CONSUMPTION, INCREASE EFFICIENCY AND REDUCE HEATER MAINTENANCE COSTS IRRESPECTIVE OF CHANGING LOAD REQUIREMENTS.

GET MORE INFORMED



Download our white paper, **TOP ADVANTAGES OF SCR POWER CONTROLLERS OVER CONTACTORS AND SOLID-STATE RELAYS**



Learn more at www.advanced-energy.com