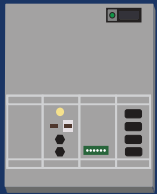
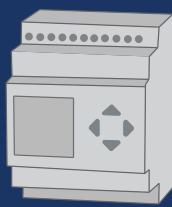





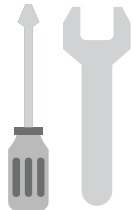





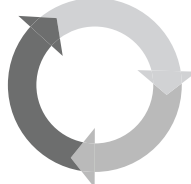
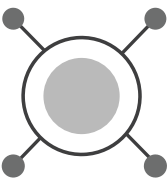














FUNDAMENTALS	 <b>GRIDMASTER® INTELLIGENT POWER CONTROLLER (IPC)</b>	 <b>PROGRAMMABLE LOGIC CONTROLLER (PLC)</b>	 <b>CLOUD-BASED CONTROLLER</b>
DESIGNED FOR	 <b>MICROGRIDS</b> Software and hardware system built specifically for secure microgrid applications	 <b>INDUSTRIAL AUTOMATION</b> Repurposed system originally designed for a wide variety of repetitive automation processes	 <b>DATA STORAGE</b> Remote, server-based control system inspired by common data storage functions
PROGRAMMING	 <b>EVOLVING CODE</b> Flexible control algorithms evolve and accomodate updates with no changes to core code	 <b>LINEAR CODE</b> Specific instruction sequences require cumbersome custom engineering, making changes difficult	 <b>REMOTE SOFTWARE</b> Open system requires uninterrupted wireless communication to local equipment for full functionality
CYBERSECURITY	 <b>EMBEDDED CYBERSECURITY</b> Defense-in-Depth protection with seven security layers built into the system	 <b>SECURITY VULNERABILITY</b> PLCs orginally built with few or no security measures, and firewalls added later are vulnerable to penetration	 <b>LARGE ATTACK SURFACE</b> Security is needed at every level from local servers to remote devices. Many potential penetration vectors
SYSTEM CONTROL	 <b>DISTRIBUTED CONTROL</b> Redundant architecture eliminates single points of failure and increases system resiliency	 <b>PSEUDO-DISTRIBUTED CONTROL</b> PLCs typically are centralized, however Real Time Automation Controllers simulate a distributed architecture	 <b>CENTRALIZED CONTROL</b> Centralized bus architecture with cloud-based control has a single point of failure, limiting resiliency

PERFORMANCE FEATURES			
SELF-HEALING			
RESILIENCY			
ADVANCED SECURITY			
LOAD SHEDDING			
ENERGY OPTIMIZATION	