INNOVATIVE PRODUCTS

WHAT'S NEW

ELECTRICAL SYSTEM MODERNIZATION solution provides information at the basic alarm level — from a local substation monitoring device (PLC + HMI) — through more advanced insights, such as thermal and humidity data for local SCADA processing. Asset Connect smart sensors can be directly integrated into existing low- and medium-voltage substations, transforming non-communicating equipment into connected assets. **SCHNEIDER ELECTRIC**
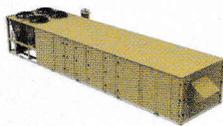
PUMPS are available in stainless steel and are certified for safe drinking water systems. Design Envelope (DE) 4380 Vertical In-Line pumps offer DE permanent magnet motors, parallel sensorless pump control, Wi-Fi connectivity, and touchscreen control. Available in six models ranging from 1 to 2 hp, supporting 10 gpm to 1185 gpm flow, and 10 ft to 75 ft head. **ARMSTRONG FLUID TECHNOLOGY**

ROOFTOP UNITS expedite start-up and commissioning with start-up wizards and an array of user-adaptable parameters. The OmniPremier 25-50 ton commercial rooftop units meet Department of Energy 2023 energy efficiency requirements. Additional options are available for each tonnage to meet the Consortium for Energy Efficiency (CEE) 2019 highest tier ratings. **TEMPMASTER**

HVLS FAN features an optimized extruded aluminum airfoil design for maximum efficiency and coverage area. The Model DS direct drive, high volume low speed ceiling fan is available in eight sizes ranging from 8 to 24 feet in diameter with performance up to 243,000 cfm. Up to 20 percent more efficient and up to 10 dBA quieter than gearbox-driven fans. **GREENHECK**

VFDS offer advanced features. The ACH580 series of variable frequency drives feature HVAC-specific software, intuitive keypad with customizable text, and menu-driven programming. Drives range from wall-mounted and cabinet-built to ultra-low harmonic models. ACH580 drives are ideal for controlling HVAC fans, pumps, compressors, air handling units, and chillers. BACnet MS/TP, Modbus RTU, and N2 are built-in, with a wide range of optional fieldbus adapters. Optional Bluetooth connectivity improves accessibility in remote areas and lets users stay out of arc flash zones. **ABB**

ICE MELT is a chloride-free, biodegradable deicing and anti-icing fluid. Entry ice melt is safer for pets, plants, water and aquatic species, concrete, and metal fixtures, and it does not cause tracking in buildings that can permanently damage carpeting and floors. It melts snow and ice in as little as 30 seconds. **BRANCH CREEK**

CASE STUDY

Mall reinvented into court facility with new metal wall panels

When a former mall in South Carolina was selected to become a central courts facility and sheriff's headquarters, the project needed to overcome the unique architectural challenges associated with this kind of a façade and structure originally comprised of many small stores and a Kroger supermarket. The building needed to be unified, while eliminating any semblance of its former purpose.

Richland County selected CENTRIA products to transform the Decker Center's façade. Formawall and Versawall insulated metal panels create a seamless façade for a police station, the municipal court, the traffic court, the sheriff's regional headquarters and, most importantly, the magistrate court, which was to be relocated from a less desirable downtown area.

Dedicated on Sept. 29, 2017, the Decker Center encompasses slightly more than 112,000 square feet. Formawall panels in an Off White color with a smooth finish were contrasted with Formawall panels in chromium gray across the main building façade. To break down the scale of the original building, the panels were installed in a rhythmic pattern, adding a chameleon-like quality to the building.

Versawall embossed commercial/industrial insulated metal panels in silver with a metallic Sundance AM coating were used around the rear of the building. The price point of the Versawall panels allowed the project to remain on budget, while providing a sharp look with its continuous gray tone.

CENTRIA