

CONTROL PANEL MANUFACTURER USES NVENT HOFFMAN STAINLESS STEEL, POLYESTER ENCLOSURES FOR QUICK-REMOVAL MAINTENANCE AND MITIGATION

IN RESPONSE TO THE HURRICANE KATRINA DEVASTATION, COX RESEARCH AND TECHNOLOGY, INC. DEVELOPED AN INNOVATIVE SYSTEM FOR CONTROL PANEL HARDWARE REMOVAL.

Cox Research and Technology, Inc. based out of Baton Rouge, LA, specializes in product research and development for water and wastewater industries. The company, which manufactures approximately 12,000 electrical control panels each year, recently developed an innovative system for control panel hardware removal, maintenance and damage mitigation in response to the recent Hurricane Katrina devastation.

Because there is usually limited warning time prior to natural disasters such as hurricanes and floods, many businesses do not have the time and resources available to remove expensive electrical and electronic components from their enclosures—especially when the enclosures are rack or wall-mounted and have to be taken completely down. To minimize damage from natural disasters as well as lower control panel replacement and maintenance time and cost, Cox Research developed and patented the Control Assembly Maintenance Option (CAMO).

“With the CAMO system, you can remove or change-out electrical and electronic components within one minute, without taking the enclosure off its rack,” said Chris Cox, President of Cox Research.

The CAMO system features control panel electrical components built directly onto the back panel and inner swing panel of a rugged HOFFMAN enclosure, allowing sensitive devices such as PLCs and radios to be simply and quickly removed for regular maintenance or relocation—as in the case of impending natural disasters.

“The CAMO system control panel hardware is designed so the inner swing panel and part or all of the back control panel can be easily changed-out when needed,” Cox said.

Cox Research’s CAMO system works in conjunction with HOFFMAN’s CONCEPT Stainless Steel Enclosures—a line of enclosures for housing and protecting sensitive components from harsh, dirty environments. In addition, Cox selected HOFFMAN’s POLYPRO Type 4X Enclosures to also offer with the CAMO system. The non-glass filled polyester enclosures deliver excellent corrosion protection, flame resistance and UV defense in both indoor and outdoor applications.

“We recently ran extensive tests on POLYPRO Enclosures, using different chemicals and comparing the results with a competitor’s enclosure. The POLYPRO Enclosures withstood the chemicals better,” Cox said.

“We use HOFFMAN enclosures, because HOFFMAN is the industry leader. As far as I am concerned, HOFFMAN is the cream of the crop,” Cox said.

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