Wind Power Control System

❯❯ Requirements

Communications between wind columns are extremely critical yet difficult due to the covered large geograplic area. The internet EMC interference from the wind motors is also an important factor. Therefore, ruggedized network equipments are demanded for the wind power applications.

Iuside the wind column head, various onsite field equipments are installed there. We used a serial server product to connect those equipment to our Ethernet switch-HES8M, installed in the bottom of the wind column, then connected to our HES10M-2G using the fiber port. HES10M-2G, connected with other HES10M-2G using gigabit fiber ring, formed a redundant recovery fiber network. Using our media converter HEMC2, the HES10M-2G is connected with HES26MC-2G in the control center.

❯❯ Industrial Grade Design, Hardened and Reliable

All Henrich's Wind Power category switches are designed with the wind mill harsh environment in mind. They are fanless, high MTBF, wide operating temperature dual redundant power inputs, etc. to create a strong, maintenance-free wind power communications system.
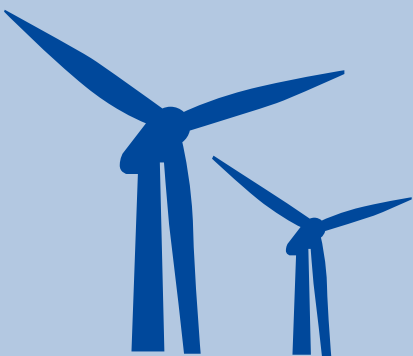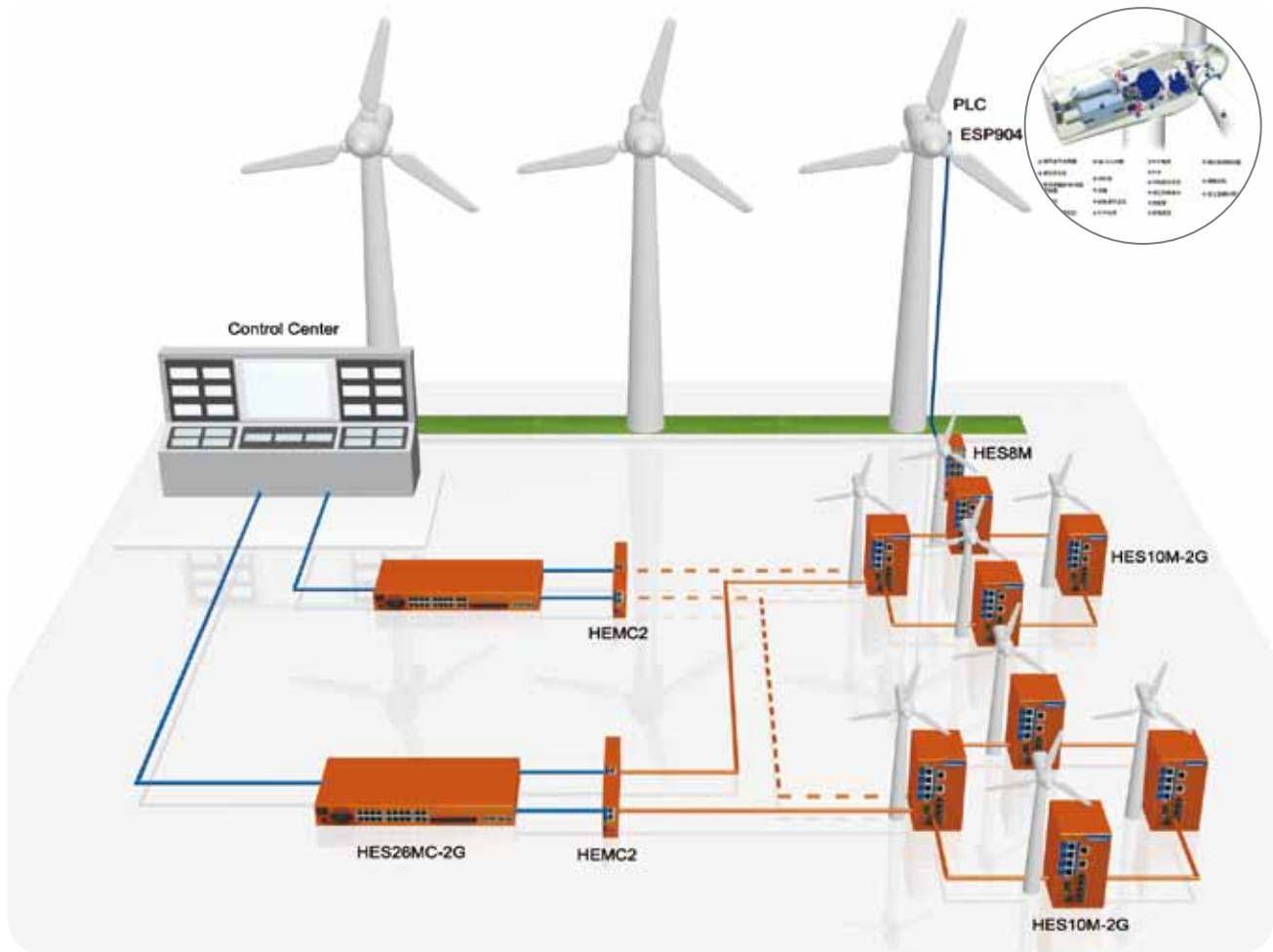
Recommended Products -

HEMC2 Series

Din-rail Mounted Industrial Media Converters

● Supports 10/100 BaseT(x) with MDI/MDI-X ability

● Relay output alarm for power failures or power
  interruptions

● Dual power inputs

● Class1, Division 2 Certified

● Ruggedized metal enclosure with IP30 protection

HES10M-2G Series

Din-rail Gigabit Industrial Ethernet Switches

● Supporting RingOn^{TM} and RingOpen^{TM} Network
  recovery redundancy with less than 15ms recovery
  time

● Complete management features such as VLAN, QoS,
  SNMP, IGMP Snooping, etc. Support SNMP v1/v2/v3

● Broadcast storm controlled

● Email or relay alarm for errors