



BLACKSTAR
DIVERSIFIED ENTERPRISES, LLC

PROJECT HIGHLIGHT

BDE teamed with Enterprise Electric, Helios and Enertech to provide an upgraded power monitoring and arc flash safety system.

The team implemented design, supply, programming and management of medium voltage switchgear upgrades at Patapsco WWTP. BDE was involved in assisting Sidhu, the electrical engineer, to design the remote breaker control cabinets. BDE also completed the systems study of the entire facility to find out the arc incident energy of the equipment. We removed (12) existing Eaton DC relays and replaced them with (12) Eaton FP-5000 Arc Mitigating relays. In installing the relays, (12) Eaton VacClad switchgear cells were modified to accept the new relay and terminations were made to external remote breaker control panels. 34kV ABB Type V pedestal breakers were also modified to have arc mitigation protection and a remote breaker control cabinet. BDE also added remote racking to SqD PZ3 style switchgear. We trained the facility on the usage of this racking..

DATAPSCO WASTE WATER TREATMENT PLANT ARC FLASH IMPROVEMENTS (BALTIMORE, MD)

