



BLACKSTAR
DIVERSIFIED ENTERPRISES, LLC

PROJECT HIGHLIGHT

BDE teamed with GlenElg Construction, Helios and SAI Advanced Power Solutions to provide a customized retrofit power generation system.

The team implemented design, supply and management of low voltage switchgear modifications, existing PLC and SCADA systems at one of Baltimore City's main water treatment facilities. BDE supplied a custom UL508 PLC control panel, remote breaker control cabinet (RBCC) and modification services. The customer planned to add a new generator to the existing scheme which involved Eaton low voltage switchgear, GE HMI and Modicon PLC. BDE modified switchgear cells to accept new generator breakers, installed Shark meters, SPD, RBCC and integrated a new PLC which functions the updated auto throwover scheme. Arc flash mitigating trip units were also added to the existing main, tie breakers for Baltimore City personnel safety.

ASHBURTON WATER TREATMENT PLANT ARC FLASH IMPROVEMENTS (BALTIMORE, MD)

