



## Arc Flash Analysis: Plan, Protect & Save

An Arc Flash event could cost owners and operators millions of dollars in damaged and lost equipment and crew safety claims. Getting a plan in place now can protect your future.

Elliott Bay Design Group (EBDG) provides vessel operators with Arc Flash analyses and programs that are essential for electrical safety aboard their vessels. Both U.S. and international standards refer to measures that aid in protection against hazards from electrical equipment.

We will work with you to identify sources of Arc Flash dangers, define procedures that limit the damage of electrical arcs and calculate the released energy. The information is then used to define a flash protection boundary around the potential sources, and determine the level of arc-rated apparel and other personal protective equipment (PPE) required to keep employees safe when they cross the boundary while working on or near exposed live parts.

An EBDG Arc Flash analysis can help predict if a breaker is going to fail. With a plan in hand, vessel engineers can predict if a breaker is going to trip in the future and take action to help prevent an Arc Flash incident.

## Our Arc Flash Experience

**Galveston Ferry Arc Flash Study**  
Client: Texas Dept. of Transportation

Under its Level-of-Effort contract with the Texas Department of Transportation, EBDG completed an arc flash study for the following six existing ferries in the Galveston Ferry System:

GIBB GILCHRIST  
R.C. LANIER  
D.C. GREER,  
RAY STOKER, JR.  
R.H. DEDMAN  
PORT ARANSAS

For more information about how EBDG can assist you with an Arc Flash Analysis, contact us today.