



# POWER GENERATION PLANT SAFETY GUIDE

## Top Hazards in a Power Generation Plant



Electrocution — Nearly 75% of all electrical work injuries are caused by arc flashes



Boiler fire and explosions



Falls, sprains, strains and fractures



Environmental stressors



Radiation — Over 80% of U.S. nuclear plants now use drone technology to limit exposure

## Minimizing Hazards in a Power Plant



Conduct regular inspection to promptly repair or replace equipment



Identify and address areas of risk



Install more durable parts, such as titanium gears, valves and tubes made through casting



Keep an adequate supply and accurate inventory of PPE and other safety equipment



Create a comprehensive emergency plan



Increase employee training and hold weekly safety meetings



Encourage a strong employee safety culture



Implement drone technology to minimize human exposure



Maintain all safety certifications and permits to better comply with industry regulations

