Job Title	Mechanical Engineering Manager	Date	8/9/2024				
Department	Engineering	Manages Employees	⊠ Yes □ No				
Reports To	Director of Engineering	FLSA Status (to be completed by HR)	⊠ Exempt □ Non-Exempt				
Revision	В						
Summary (Main Purpose)							
other control documents, sup- conceptual and interpretive de interdepartmental personnel of coordination with external cor design documents as well as r and design. Job Duties and Responsibilities (E	lanning, organizing, and develop ervising and guiding staff metho rafting of design-build or plan/sp concerning technical support issues reviewing completed work to det essential Functions ge, and mentor the Mechanical E	ods, approaches, and t pec projects, conferrir ues, production sched s, researching, develo termine adequacy and	echniques for ng with luling and ping, and preparing l accuracy of drawings				
 Set clear goals and ob focus on accountabilit inclusion and teamwo Coordinate with variou structural, etc.) to colla multi-discipline strateg Assist all levels of Mar strategic and business Identify, mentor, and o technical and professia Oversee the design an switchgear, ATS's, circu Create, manage and ir Perform system calcul Collaborate with assist deliverables, contract Review technical vend Ensure compliance with 	us disciplines within the organiza aborate, optimize, and improve v gy sessions. hagement in articulating disciplin objectives. coach the development of inexper onal expertise of the team. Ind optimization of mechanical co uit breakers, protective relays, and prove PDM and SolidWorks too ations for mechanical elements a tant project managers, engineers requirements, schedule and bud or submittals for installation req th all safety and quality requirem f Quality Assurance requirement	still a performance-ori retains, and engages ation (architectural, me work and staff sharing ne capability requirem erienced staff and elec omponents for low and d control systems. ols in compliance with as they relate to electro s, and technicians to r get expectations. uirements.	all employees through echanical, process, by participating in ents in support of vate the overall d medium voltage applicable standards. rical power systems. neet project				

Required Skills and Experience (*Minimum requirements in terms of educational background, work experience, licenses/certifications or other knowledge, skills, and abilities*).

- Design knowledge and experience of switchgear, switchboards, panelboards in accordance with customer's functional requirements.
- Support product assembly, test and QA.
- Provide project coordination and management for customer orders.
- Support sales quoting process.
- Proven history of managing technical staff with evidence of their successful teamwork and professional development progress.
- Establish and maintain internal, customer, and supplier relationships.
- Working knowledge of UL, NEC and other applicable codes and standards related to the industry and products.

Additional Skills and Experience (Preferred or helpful)

- BS in relevant engineering discipline. Master's degree preferred.
- 5+ years of engineering experience.
- 2+ years of staff management experience.
- Must be well versed in engineering disciplines. Seismic analysis experience is a plus.
- Must be self-motivated, have good interpersonal skills, capable of analyzing and solving complex problems through innovative thought and experience.
- Ability to design and implement in own area of expertise.
- Demonstrated effective supervisory and leadership skills.

This description covers the primary purpose and principal duties of the job. It is not designed to be a complete list of all the duties and responsibilities required of this position. Duties, responsibilities, and activities may change at any time with or without notice.

Demands and Conditions Analysis: Mechanical Engineering Manager

Working Conditions

The **essential functions** of this job involve the following working conditions. (Place an **"x"** in the appropriate box.)

- C = Continuously
 75%-100% of time

 F = Frequently
 50%-74% of time

 O = Occasionally
 10%-49% of time

 R = Rarely
 1%-9% of time
- N = Never 0% of time

	С	F	0	R	Ν]	С	F	0	R	Ν
Environmental						Physical Factors					
Works alone			Х			Sitting			х		
Works with others			Х			Standing	Х				
Customer contact					Х	Walking		х			
Shift Work	Х					Bending/stooping		Х			
Extended Day			Х			Squatting/Kneeling		Х			
Keeping work pace/deadlines	х					Crouching/Crawling			Х		
Performing repetitive tasks	Х					Twisting at waist		х			
Noise (decibels) 91					Х	Reaching above shoulders			Х		
Vibration			Х			Reaching below knees				Х	
Abrupt temperature changes					Х	Lift/carry up to 40 lbs.		Х			
Heat (above 85 F)			Х			Push/pull to 100 (force)			х		
Cold (below 65 F)					Х	Climbing ladders			Х		
Wetness					Х	Climbing stairs					Х
Dampness					Х	Sweeping/mopping				Х	
Dryness					Х	Operating foot controls					Х
Odors & dusts				Х		Manual Tasks					
Work with solvents					Х	Grasping with one hand	х				
Work acids, bases					Х	Grasping with both hands	Х				
Work with oils					Х	Manipulating with one hand	Х				
Work with toxins					Х	Manipulating with two hands		х			
Poor ventilation					Х	Handwritten communication				Х	
Fumes					Х	Using keyboard				Х	
Mechanical hazards			Х			Using hand tools	Х				
Electrical hazards					Х	Twisting/wringing			Х		
Sensory Tasks						Scrubbing/washing/				Х	
-						polishing					
Seeing close (reading)	Х					Scraping				Х	
Seeing far (observation)			Х			Equipment Operation					
Peripheral vision			Х			Driving car / light truck					Х
Seeing colors			Х			Driving heavy truck / van					Х
Verbal communication	Х					Operating forklifts, stackers					Х
Hearing speech		Х				Operating hoist equipment			Х		
Hearing mechanical sounds			Х			Operating shop machinery			Х		
Sensing odors					Х	Operating power tools	Х				

Sensing by touch					Х	Operating torch					Х
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