

# CLAY ANDERSON

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## WORK EXPERIENCE

### SENIOR FACILITIES MECHANICAL ENGINEER

04/2016 - PRESENT

*Phoenix, AZ*

- Manages the addition/removal of equipment to the mechanical facility infrastructure
- Provides reliability-engineering support, performing data analytics of predictive maintenance activities, analyzing maintenance data to optimize the maintenance program, and identifying critical spares for critical assets
- Prepares and reviews plans, specifications, AutoCAD drawings and schedules to determine work phases and work priorities
- Manage construction projects from concept to final sign-off
- Site mechanical systems analysis for energy efficiency improvement and operational problem resolution
- Generate ROM, budget estimates, and present to facilities management as necessary
- Perform safety audits and Generate JHA (Job Hazard Analysis)

### FACILITIES MECHANICAL ENGINEER

12/2008 - 11/2015

*San Francisco, CA*

- Provide Project Management using project management processes aligned with the Project Management Institute for small to medium scope facility infrastructure projects including machine tools, production equipment, and other processes that support manufacturing and/or distribution operations
- Project management responsibilities include cost, schedule, and quality control
- Communicate and ensure a collaborative environment with high performance teamwork with Unit leadership, Manufacturing Engineering, facilities staff, consultants, and contractors
- Provide life, safety and building code analysis on facilities projects and support and implement programs within the organization to prevent injuries and illnesses
- Assist in the identification and resolution of potential environmental, safety, ergonomic and health hazards
- Coordinate with internal Supply Management to develop project sourcing strategy and research market for qualified suppliers of materials and services
- Prepare purchase requisitions for management approval
- Lead a group on Maintenance team to carry out maintenance of the Facility Mechanical System with good maintenance record for all machinery, equipment and tools. Manpower planning, supervisory and motivated in ensuring proper preventive maintenance activity is to be carried out safety, on-time manner and meeting operating needs
- Liaison with contractor and outsource business partner to carryout routine preventive maintenance task in ensuring zero interruption to system operation

### FACILITIES MECHANICAL ENGINEER, JUNIOR

10/2005 - 06/2008

*Chicago, IL*

- Identify, prepare, prioritize and implement capital projects
- Responsible for firm's engineering workload to include: HVAC design for small and medium scale remodel projects, including Tenant Improvements HVAC remodels, rooftop equipment replacements, boiler replacements, Title 24 documentation, cooling load calculations, equipment sizing calculations, and permit applications
- Working in a team effort with customers, process engineers, facility engineers, operations personnel and construction disciplines to provide detailed designs and specifications for new capital projects
- Implementing safety into all designs in accordance with company safety guidelines
- Responsible for assuring mechanical designs meet all applicable codes and regulations
- Responsible for meeting design completion schedules with cost-effective and accurate drawings
- Providing cost estimates and analysis of proposed projects

## EDUCATION

### OKLAHOMA STATE UNIVERSITY - TULSA

2000 - 2004

*Engineer's Degree in Mechanical Engineering*

## PROFESSIONAL SKILLS

- Strong written and verbal communication skills. Strong interpersonal, mediating, team working, and project organizational skills
- Excellent communication, interpersonal, team working, and project organizational skills
- + Excellent oral and written communication and presentation skills\
- Experience in Mechanical Engineering with experience in large-scale manufacturing/ mechanical engineering facility services support
- Demonstrated experience taking mechanical technical knowledge and explaining it to a non-mechanical technical and non-technical audience
- Apply well defined verbal and written communications skills in a business setting
- Good analytical and problem solving skills. 8D Methodology, FMEA and SPC