



David Clark

Electrical Engineer | Power Systems Expert
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Summary

Experienced Electrical Engineer with over 5 years in refining and manufacturing industries, specialized in power systems and heat tracing. Spearheaded infrastructure upgrade projects leading to a 25% improvement in plant efficiency. Skilled in ETAP, One Line Drawings and Project Management. Eager to contribute my technical skills to support California's low carbon future.

Experience

Valero Energy Corporation

Electrical Engineer

San Antonio, Texas

2016 - 2021

Managed electrical power projects, ensured project compliance with industry standards and provided technical support.

- Spearheaded 5 major electrical infrastructure projects, leading to a 25% increase in plant efficiency.
- Successfully provided electrical and power technical support on multi-disciplinary projects which improved overall plant safety by 35%.
- Coordinated with the team to design heat tracing for piping projects, resulting in 20% reduction in energy consumption.

Andeavor Corporation

Junior Electrical Engineer

San Antonio, Texas

2013 - 2016

Assisted in managing electrical power projects, provided technical support and liaised with engineering contractors

- Assisted with 3 power infrastructure projects leading to a 15% boost in operational efficiency.
- Provided necessary electrical and power technical support facilitating a 20% improvement in project execution.
- Coordinated with the team to design heat tracing for piping projects enhancing overall system efficiency by 30%.

NuStar Energy L.P.

Electrical Engineering Intern

San Antonio, Texas

2012 - 2013

Aided senior engineers in their duties and helped manage small-scale projects

- Assisted senior engineers in implementing small-scale power infrastructure projects.
- Actively participated in technical reviews with project engineers, engineering firms, and equipment suppliers.
- Contributed to the execution of 2 major projects which led to a 10% increase in operational efficiency.

Strengths

Project Management

Successfully led and managed over 10 electrical infrastructure projects with budgets up to \$5M, consistently delivering on time.

Technical Expertise

In-depth knowledge of power systems, heat tracing and electrical distribution equipment, resulting in streamlined operations and improved efficiency.

Collaborative Leadership

Efficiently coordinated with cross-functional teams, engineering contractors, and vendors to facilitate smooth execution of projects.

Education

The University of Texas at Austin

Master's Degree in Electrical Engineering

Austin, Texas

2010 - 2012

Texas A&M University

Bachelor's Degree in Electrical Engineering

College Station, Texas

2006 - 2010

Skills

ETAP • Microsoft Word • Microsoft Excel • Microsoft Outlook • One Line Drawings • NEC • IEEE • ANSI • NFPA • API • NEMA • Project Management

Certification

Advanced Power Systems Analysis — Completed an in-depth course with Coursera, specializing in power system planning, operation, and control.

Certification in Project Management

— Earned project management certification from Project Management Institute, enhancing my leadership & coordination skills.

Passions

Sustainable Energy

Devoted to exploring and implementing renewable energy solutions for large-scale infrastructure, thus promoting sustainability.

Community Volunteer

Actively participate in community projects to promote STEM education among underprivileged children.