



## 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.